

राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण (पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार)



पर्यावरण नियोजन एवं समन्वय संगठन

पर्यावरण परिसर, ई—5, अरेरा कॉलोनी भोपाल—462016 (म.प्र.)

बेवसाईट— <u>http://www.mpseiaa.nic.in</u> दूरभाष नं. — 0755—2466970, 2466859

No: 1064 / SEIAA/2023

Date: 8/8/23

प्रति.

कलेक्टर जिला – रतलाम (म.प्र.)

विषयः संशोधित जिला सर्वेक्षण रिपोर्ट जिला- रतलाम रेत खनिज (संशोधित)

संदर्भः आपका पत्र क्र. 1493 दिनांक 11.07.2023

राज्य स्तरीय समाघात निर्धारण प्राधिकरण की 797^{वी} बैठक दिनांक 01.08.2023 में निम्नानुसार निर्णय लिया गया :--

राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति (SEAC) की 657वीं बैठक दिनांक 11.07.2023 में रतलाम जिले की संशोधित जिला सर्वेक्षण रिपोर्ट (रेत खनिज) में निम्नानुसार सुझाव सहित अनुशंसा की गई है :

खनिज निरीक्षक द्वारा ग्राम मेलुखेड़ी तथा ग्राम गोंदी शंकर रेत खदान में जो कोर्डीनेट्स में सुधार जिला सर्वेक्षण रिपोर्ट रेत खनिज (संशोधित) समिति के समक्ष प्रस्तुत की गई थी जिसको समिति द्वारा मान्य किया गया एंव संशोधित जिला सर्वेक्षण रिपोर्ट जिला— रतलाम रेत खनिज (संशोधित) अनुमोदन हेतु विचारार्थ एवं आगामी कार्यवाही हेतु अनुशंसित उपरांत राज्य स्तरीय पर्यावरण समाघाँत निर्धारण प्राधिकरण की ओर प्रेषित किया जाये।

राज्य स्तरीय समाघात निर्धारण प्राधिकरण (SEIAA) द्वारा विस्तृत चर्चा एवं विचार विमर्श उपरांत SEAC की 657वीं बैठक दिनांक 11.06.2023 के अनुमोदन प्रस्ताव को मान्य करते हुए रतलाम जिले की संशोधित जिला सर्वेक्षण रिपोर्ट (रेत खनिज) का अनुमोदन SEAC द्वारा सुझाई गई उपरोक्त अनुशंसाओं के साथ किया जाता है। तदानुसार जिला कलेक्टर, रतलाम_को जिला सर्वेक्षण रिपोर्ट जिला पोर्टल पर अपलोड करवाये जाने एवं संचालक, भौमिकी तथा खनिकर्म को सूचित किया जाये।

उपरोक्त निर्णयानुसार कृपया संशोधित जिला सर्वेक्षण रिपोर्ट जिला— रतलाम रेत खनिज (संशोधित) जिला पोर्टल पर अपलोड करने का कष्ट करें। सुलभ संदर्भ हेतु अनुमोदित नवीन जिला सर्वेक्षण रिपोर्ट की साफ्टकॉपी ई—मेल के माध्यम से आपकी ओर प्रेषित है।

18/8/8

सदस्य सचिव

क्र.. **1065** प्रतिलिपि :-

/SEIAA / 2023 भोपाल

दिनांक 8/8/2-3

1. प्रमुख सचिव, म.प्र. शासन, पर्यावरण विभाग, मंत्रालय, भोपाल की ओर कृपया सूचनार्थ ।

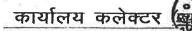
2. संचालक, प्रशासन/तकनीकी, संचालनालय, भौमिकी तथा खनिकर्म, 29-ए, खनिज भवन,अरेरा हिल्स,भोपाल (म.प्र.)

3. सदस्य सचिव, राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति (SEAC), अनुसंधान एवं विकास विंग, म.प्र. प्रदूषण नियंत्रण बोर्ड, पर्यावरण परिसर, ई–5, अरेरा कॉलोनी, भोपाल (म.प्र) – 462016 की ओर सूचनार्थ।

सदस्य सचिव

653

Gras



क्रगांक / 4)3 / खनिज / 2023-24

रतलाम, दिनांक *|*} /07/2023

जिला-रतलाम (म०प्र०)

प्रति.

राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति भोपाल (म.प्र.) पर्यावरण परिसर, ई—5, अरेरा कॉलोनी भोपाल

विषय :-

खिनज रेत की जिला सर्वेक्षण रिपोर्ट संशोधन उपरांत पुनः प्रेषित करने बाबत्।

संदर्भ :-

राज्य स्तरीय विशेषझ मूल्यांकन समिति द्वारा दिये गये निर्देशानुसार।

---000---

उपरोक्त विषयान्तर्गत एवं संदर्भित निर्देश के पालन में कार्यालयीन पत्र क्रमांक 932-33/खनिज/2023-24 दिनांक 01/05/2023 से ग्राम मेलुखेड़ी तथा पत्र क्र0 934-935/खनिज/2023-24 दिनांक 01/05/2023 से ग्राम गोंदीशंकर रेत खदान में कोर्डीनेट्स में सुधार हेतु पत्र प्रेषित कर जिला सर्वेक्षण रिपोर्ट में दर्ज जी.पी.एस. कॉर्डीनेट्स के संशोधन पृष्ठ क्र0-12 में टेबल क्रमांक-3 के पृष्ठ नम्बर-13 में सरल क्रमांक 09 एवं 10 में सुधार किया गया तथा साथ ही टेबल नम्बर 21 में नदी की लम्बाई और चौड़ाई में भी सुधार किया गया है।

अतः उपरोक्तानुसार जिला सर्वेक्षण रिपोर्ट में संशोधन उपरांत अद्यंतन किये जाने हेतु सादर प्रस्तुत है।

संलग्न :- उपरोक्तानुसार।

ख्यानिज्येष्ट्रिमिखेकारी (खश्चिमशास्त्रप्रेग) वास्त्रिकातेष्ट्रमध्ये (म.प्र.)

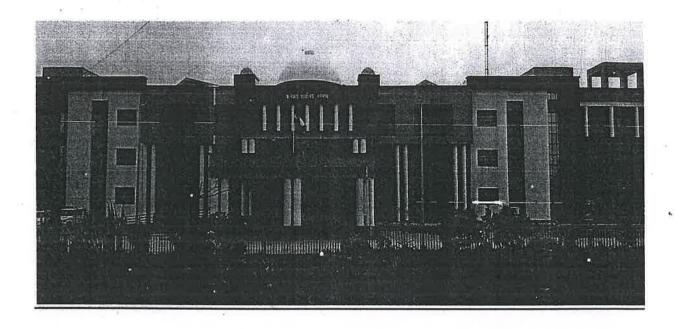
पृ0 क्रमांक **/ १५७५** / खनिज / २०२३--२४ प्रतिलिपि :-- रतलाम, दिनांक // /07/2023

1. सदस्य/सिवव, राज्य स्तारीय पर्यावरण समाघात निर्धारण प्राधिकरण (म.प्र.) पर्यावरण परिसर, ई--5, अरेरा कॉलोनी भोषाल की ओर सूचनार्थ प्रेषित।

> (ख्रिमिन्न शिक्षा) वास्त्रित्वालेस्ट्रस्ट्रास्स (म०५०) वास्त्रित्वालेस्ट्रस्ट्रास्स (म०५०)

DISTRICT SURVEY REPORT OF FOR MINOR MINERAL-SAND RATLAM DISTRICT

As per gazette Notification No. S.O. 3611 (E) New Delhi dated 25th July 2018 of Ministry of Environment, Forest and Climate Change, Government of India, "Sustainable Sand Mining guidelines 2016" And EMGSM 2020



Prepared by

SUB DIVISIONAL COMMITTEE RATLAM (M.P.) YEAR-2022

State Level Environment Impact Assessment Authority, M.P. (EPCO)

Paryavaran Parisar E-5, Arera Colony, Bhopal (M.P.)

PREFACE

The present District Survey Report is prepared in compliance of interim order passed by the Hon'ble Supreme Court on 10-11-21 in the case of Civil Appeal No. 3661-3662/2020, State of Bihar & Others vs. Pawan Kumar & Others. The District Collector through its letter no.748/Khani, Dindori, dated 25-03-2021 had constituted the sub-divisional committee to prepare the District Survey Report.

The need for District Survey Report (DSR) have been necessitated by Ministry of Environment, Forest and Climate Change (MoEF & CC) vide their Notification No. 125 (Extraordinary, Part II Section 3, Sub-section ii), S.O. 141 (E), dated 15th January 2016. The notification was addressed to bring certain amendments with respect to the EIA notification 2006 and in order to have a better control over the legislation. District level committees have been introduced in the system. As a part of this notification, preparation of District Survey Reports has been introduced. Subsequently, Ministry of Environment, Forest and Climate Change has published Notification No. 3611 (E), dt. 25th July, 2018 regarding inclusion of the -Minerals Other than Sand and format for preparation of the DSR has been specified. Enforcement & Monitoring Guidelines for Sand Mining (EMGSM) January 2020, Issued by Ministry of Environment, Forest and Climate Change is prepared in consideration of various orders/directions issued by Hon'ble NGT in matters pertaining to illegal sand mining and also based on the reports submitted by expert committees and investigation teams. This DSR has been prepared in conformity with the SO 141 (E), SO 3611 (E) and other sand mining guidelines published by MOEF & CC time to time as well as the requirement specified in Madhya pradesh Sand (Mining, Transportation, Storage and trading) Rules, 2019.

The purpose of DSR is to identify the mineral potential areas where mining can be allowed; and also, to distinguish areas where mining will not be allowed due to proximity to infrastructural structures and installations, areas of erosion, areas of environmental sensitivities etc. The DSR would also help to estimate the annual rate of replenishment wherever applicable and allow time for replenishment.

The DSR of Dindori District also describes the general geographical profile of the district, distribution of natural resources, livelihood, climatic condition and sources of revenue generation.

State Level Environment Impact
Assessment Andhority, M.P.

(EF)
Paryavaran Fariant
E-5, Arera Colony, Bropai (M.P.)

DISCLAIMER

The data may vary due to flood, heavy rains and other natural calamities. Therefore it is recommended that DEIAA/SEIAA may take into consideration all its relevant aspects / data while scrutinizing and recommending the application for EC to the concerned authority.

State Level Environment Impact
Assessment Industry Mymme Impact
Programme Parison
Paryavaran Planswill
E-5, Arera Colony, Bnopal (M.P.)

INDEX

	INDEX	
CHAPTER	TILE .	PAGE NO
M	UNOR MINERALS OTHER THAN SAND MININ	MG
Chapter - 1	Introduction	05
Chapter - 2	Overview of Mining activity in the District	11
Chapter - 3	The list of Mining leases of Stone Gitti in the District with	16
	location, area and period of Validity	
Chapter - 4	Recommendation of Rnforcement & Monitoring Guidelones for	36
G1	Sand Mining by MOEF&CC- 2020	
Chapter – 5	Details of Roylty or Revenue recievced in last three years	47
Chapter – 6	Details of Production of Sand or Bajri or Minor Mineral in last	48
C1	three years	
Chapter - 7	Use of Mineral	49
Chapter – 8	General Profile of the District	50
Chapter – 9	Land Utilization pattern in the District: Forest, Agriculture,	53
Chamtan 10	Horticulture, Mining etc.	
Chapter - 10	Physiography of the District	56
Chapter – 11	Details of Month wise Rainfall Data of 1 Year	57
Chapter 12	Rainfall of the District and climatic conditions	58
Chapter – 13	Geology of the District	60
Chapter – 14	Drainage and irrigation pattern	- 64
Chapter – 15	Surface water and Ground water scenario of the District	65
Chapter – 16	Mineral Map of the District	69
Chapter – 17	Details of Eco-Sensitive Area, if any, in the District	70
Chapter – 18	Impact on the environment Due to Mining Activity	74
Chapter – 19	Remedial Measures to Mitigate the Impact of Mining on the Environment	76
Chapter – 20	Reclamation on Mined Out Area in the District	79
Chapter – 21	Details of the Area of Where There is a Cluster of Mining Leases	80
Chapter – 22	Formation of sand	82
Chapter – 23	Sand Replenishment Plan and Projections	91
Chapter – 24	Risk Assessment & Disaster Management Plan	100
Chapter – 25	Details of Occupational Health	102
Chapter – 26	Plantation and Green Belt Development in Respect of Lease already Granted	105
Chapter – 27	Any Other Information	118
Chapter – 25 Chapter – 26 Chapter – 27	Details of Occupational Health Plantation and Green Belt Development in Respect of Lease already Granted	102

State Level Environment Impact
Assessment Authority, M.P.
(EPCO)
Paryavaran Parisar
E-5, Arera Colony, Bhopal (M.P.)

Chapter - 1

Introduction

In pursuance to the Gazette Notification, Ministry of Environment, Forest and Climate Change (MoEF& CC), the Government of India Notification NoS.O. 141 (E) Appendix—X, Dated 15.01.2016 & S.O. 3611 (E) New Delhi, 25th July 2018laidprocedure for preparation of District Survey Report of sand mining or river bed mining. The main purpose of preparation of District Survey Report (DSR) is to identify the Sand resources and developing the sand mining activities along with other relevant data of the district.

The process of making a DSR includes:

- Collection of baseline data from the department
- Development of related maps from satellite and secondary sources
- Understanding river flows and sedimentation vis-à-vis sand mining
- Tabulation and mapping of existing sand mining locations and yield
- Correlation with satellite data for pre and post monsoon sand yield
- Suggesting new locations for sand mining approvals
- Design and Development of DSR as per MoEF guidelines
- Interaction with line department for data / document ownership

For the first time, the Ministry of Environment, Forests and Climate Change (MoEFCC) has released guidelines to monitor and check illegal sand mining in the country.

- Sustainable Sand Management Guidelines (SSMG), 2016 focuses on the management of sand mining, but there was a need to have guidelines for effective enforcement of regulatory provisions and their monitoring.
- The 2020 guidelines are to be enforced simultaneously with the SSMG, 2016, in case of conflict; the new set will hold legal precedence. The Mines and Minerals (Development and Regulation) Act, 1957 has empowered state governments to make rules to prevent illegal mining, transportation and storage of minerals.
- However, there were a large number of illegal mining cases in the country and in some cases, many of the officers lost their lives while executing their duties to curb illegal mining.

(EPC.0) Paryawaran Posisar E-5, Arera Culony, Bhopal (M.P.)

• Illegal and uncontrolled illegal mining also leads to loss of revenue to the State and degradation of the environment.

The fair and rapid advancement of technology in country has enabled surveillance and remote monitoring in the field of mining for the effective monitoring of the mining activities, particularly, sand mining. States are now utilizing remote sensing to prevent illegal mining. Rules have been made to prevent illegal mining, transportation and storage of minerals but in the recent past, it has been observed that there was large number of illegal mining cases in the country and in some cases, many of the officers lost their lives while executing their duties for curbing illegal mining incidence. The illegal and uncontrolled illegal mining leads to loss of revenue to the State and degradation of the environment. Thus, an effective policy for monitoring of sand mining in the Country has been enforced focusing on the effective monitoring of the sand mining since from the identification of sand mineral sources to its dispatch and end-use by consumers and the general public.

- Source to Destination Monitoring: The new set of guidelines focuses on the effective monitoring of sand mining from the identification of sand mineral sources to its dispatch and end-use by consumers and the general public and look at a uniform protocol for the whole country.
- Constantly monitor mining with drones and night surveillance of mining activity through night-vision drones.
- Audits: States to carry out river audits and put detailed survey reports of all mining areas in the public domain.
- Transparency: Online sales and purchase of sand and other riverbed materials (RBM) for transparency in the process.
- Enforcement: It gives directions to states to set up dedicated task forces at district levels.
- In cases where rivers become district boundaries or state boundaries, the districts or states sharing the boundary shall constitute the combined task force for monitoring of mined materials, mining activity and participate in the preparation of District Survey Reports (DSR) by providing appropriate inputs.
- Sustainability: Conduct replenishment study for river bed sand in order to nullify the adverse impacts arising due to excessive sand extraction.

State Level Environment Impact
Assessment Authority, M.P.
(EPCO)
Paryavaran Parisar
E-5, Arera Colony, Bhopal (M.P.)

While the Sustainable Sand Mining Guidelines, 2016, require the preparation of
District Survey Reports (DSR), which is an important initial step before grant of
mining lease, the government has found that the DSRs carried out by state and district
administrations are often not comprehensive enough, allowing space for illegal
mining.

Location and Boundaries: Ratlam district is located on northwest part of Madhya Pradesh. It is one of the important tribal districts of Malwa regions of Madhya Pradesh. Sailana and Bajna blocks are major tribal blocks. The district is bounded by Mandsaur district in the north, Jhabua and Dhar district in the south, Ujjain and Shajapur districts in the east, Banswara district of Rajasthan state in the west and Jhalawar district of Rajasthan state in the northeast. The district area extends between the parallels of latitude 23°05' and 23°52' North and between the meridians of longitude 74°31' and 74°41' east, and it is falling in the Survey of India Topo Sheet No. 46I and 46M.

Ratlam District has an area of 4,861 square kilometres (1,877 sq mi). It is bounded by Mandsaur District to the north, Jhalawar District of Rajasthan state to the northwest, Ujjain District to the east, Dhar District to the south, Jhabua District to the southwest, and Pratapgarh District of Rajasthan to the west. It is divided into nine tehsils and is home to 9 at and 1,063 villages (as of 2001). The district is part of Ujjain Division.

The entire district lies on the Malwa plateau, along its western margins. The composition of surface rocks being that of the traps. The general scene is of an undulating country, sloping towards the north and marked by series of high grounds and valleys of north flowing streams, alternating from east to west. Among the subsidiary water divides between the streams, there are isolated hills or low hill ranges running for short distances. These hills attain prominence in the south-east of the district and near the western margins of the plateau. In the west they are dissected and slope in to the narrow valleys of seasonal streams of the Mahi.

Origin: In reward for their services and in recognition of their great deeds of valour, large territories in the south-western districts of Rajputana and northern Malwa were conferred on them. Their capital became Ratram (named after Raja Ratan Singh and his first son Ram Singh) which later got translated to 'Ratlam'.

History: Ratlam State was founded in 1652 by a great-grandson of Raja Udai Singh of Jodhpur, namely Raja Ratan Singh Rathore, son of Mahesh Das of Jalore. The latter,



father, and son, had performed important military services for the Emperor Shah Jahan by defeating the Persians and Uzbeks in Afghanistan. In reward for their services and in recognition of their great deeds of valour, large territories in the south-western districts of Rajputana and northern Malwa were conferred on them. Their capital became Ratram (named after Raja Ratan Singh and his first son Ram Singh) which later got translated to Ratlam

General Features

Table 1 Administrative Setup of the District

SUB-DIVISION	TEHSIL	BLOCKS
Ratlam	Ratlam City	Ratlam City
	Ratlam Rural	Ratlam Rural
	Sailana	Sailana
	Bajna	•
	Raoti	-
	Jaora	Jaora
	Piploda	Piploda
2	Alot	Alot
	Tal	
Total	9	5

State Level Environment Impact
Assessment Authority, M.P.
(EPCO)
Paryavaran Parisar
E-5, Arera Colony, Bhopal (M.P.)

Chapter - 2

Overview of Mining Activity in the District

No major minerals are found in the District. Mostly minor minerals are found in the district which includes stone, gitti, murrum and sand. Stone is mostly mimed in the district and illegal mining has been a critical problem in the district.

Table 2 Mineral Production in the District

Sr. No.	Mineral	Production in (Cu. M)
Major Mine	ràl	
1.	Nil	Nil
Minor Mine	ral	
2.	Stone/Gitti	1390299.58 Cu. M
3.	Murum	44041Cu. M
4.	Sand	12926.92 Cu. M

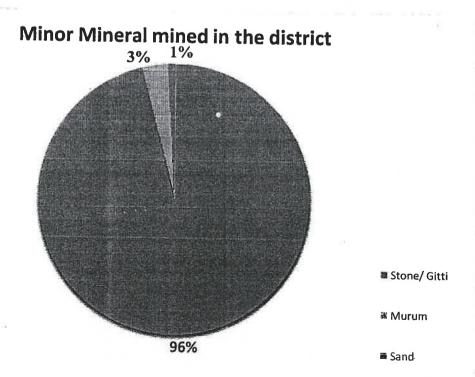
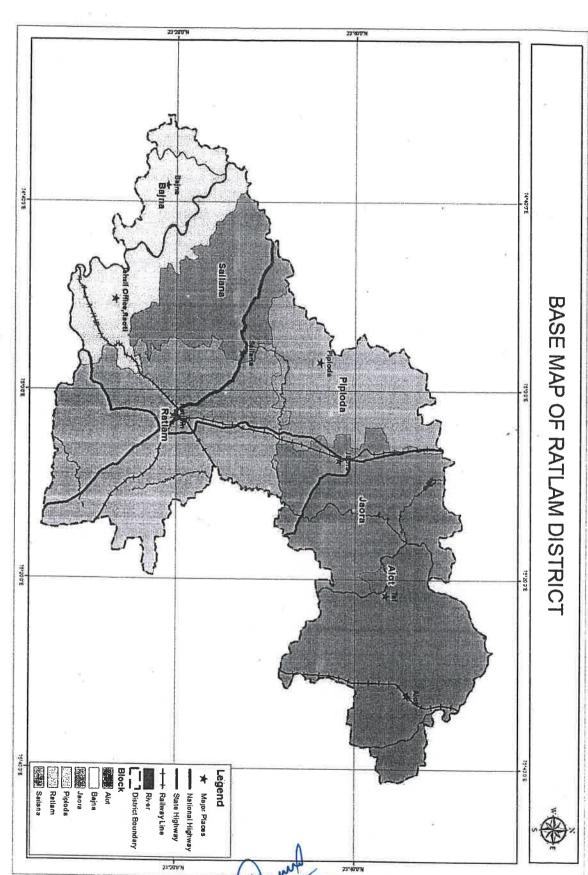


Figure 3Production of Minor Mineral Mining in the District

Assessment Amerity, M.P.

Paryavaran Parisar
E-5, Arera Colony, Bhopai (M.P.)



State Level Environment Impact
Assessment Asthority, M.P.
(EPCO)
Paryavaran Parisar
E-5, Arera Colony, Bhopal (M.P.)

Figure 2 Base Map of the District

Table 3 Sand Mines in Ratlam District

23°45'06.30" 75°14'50.30"
23°38'6.04" 75°12'33.46"
23°38'4.95" 75°12'34.25"
23°36'32.95" 75°12'26.61"
23°36'33.71" 75°12'27.70" 73°36'73.71" 75°12'77.70"
_
23°44'48.03" /5°17'02.61" 23°44'40.86" /5°17'02.61"
23°37′51.56″ 75°12′19.33″ 23°37′41.64″ 75°12′11.10″
23°42′54.73" /5°18′08.86"
Latitude (N) Longitude(E)
STAR THE STAR STAR STAR STAR STAR STAR STAR STAR

State Level Entirement Impact
Assessment Authority, M.P.
(EPCO)
Paryavaran Parisar
E-5, Arera Colony, Bhopal (M.P.)

					r	
13	12	11	100	.9	∞	7
Laxmipura	Nimbakhedi	Fatehpur	Melukhedi (Arwas)	Gondi Shankar	Badodiya	Bhanpur (Nim bodiya)
Alot	Tal	Tal	Tal	Jaora	Jaora	Jaora
153	240	90,242	01,110	701	126	289
8.000	8.000	16.00	8.000	10.00	6.000	6.000
3000	3000	2500	3500	2500	3000	1700
23°46'04.97" 23°46'03.64" 23°45'46.87" 23°45'36.27"	23°36'34.18" 23°36'33.91" 23°36'23.19" 23°36'22.84" 23°36'12.42" 23°36'11.69" 23°35'55.80" 23°35'56.98"	23°42'31.82" 23°42'31.67" 23°41'53:26" 23°41'55.05"	23°46'27.91" 23°46'28.01" 23°46'03.92" 23°46'03.64"	23°46'51.50" 23°46'51.67" 23°47'24.34" 23°47'22.55"	23°33'53.21" 23°33'53.28" 23°33'40.67" 23°33'28.19" 23°33'28.78" 23°33'40.00"	23°36'2.57" 23°36'4.69" 23°35'55.75" 23°35'41.67" 23°35'41.83" 23°35'54.75"
75°36'45.73" 75°36'42.99" 75°36'48.47" 75°36'47.40"	75°20'54.05" 75°20'50.68" 75°20'55.35" 75°20'58.72" 75°21'7.47" 75°21'5.18" 75°21'22.19" 75°21'24.86"	75°21'25.13" 75°21'21.00" 75°21'14.20" 75°21'18.01"	75°16'05.50" 75°16'09.20" 75°16'08.89" 75°16'05.89"	75°16'10.34" 75°16'10.34" 75°16'02.98" 75°16'01.14"	75°13'10.00" 75°13'12.67" 75°13'14.67" 75°13'10.91" 75°13'8.24" 75°13'11.95"	75°21'11.80" 75°21'14.29" 23°35'55.75" 75°21'23.87" 75°21'20.53" 75°21'19.14"
1	ä	01-02-2016	21-11-2017	28-10-2015	14-10-2015	02-08-2016
Existing	Existing	Existing	Existing	Existing	Existing	Existing

Assessment Authority, M.P.
(EPCO)
Paryavaran Parisar
E-5, Arera Colony, Bhopai (54 P.)

14 Umariya Bajna 01 7.540 3060 23°21'46.30" 23°22'10.08" 23°22'08.61" 23°45'40.71" 23°45'55.87" 23°21'43.60" 23°45'36.69" 74°40'00.90" 74°40'21.62" 74°40'23.46" 75°36'53.92" 75°36'49.86" 74°40'03.63" 75°36'52.21" 02-02-2021 Existing

State Level Environment Impact
Assessment Authority, M.P.
(EPCO)
Paryavaran Parisar
E-5, Arera Colony, Bhopal (M.P.)

Location of the District

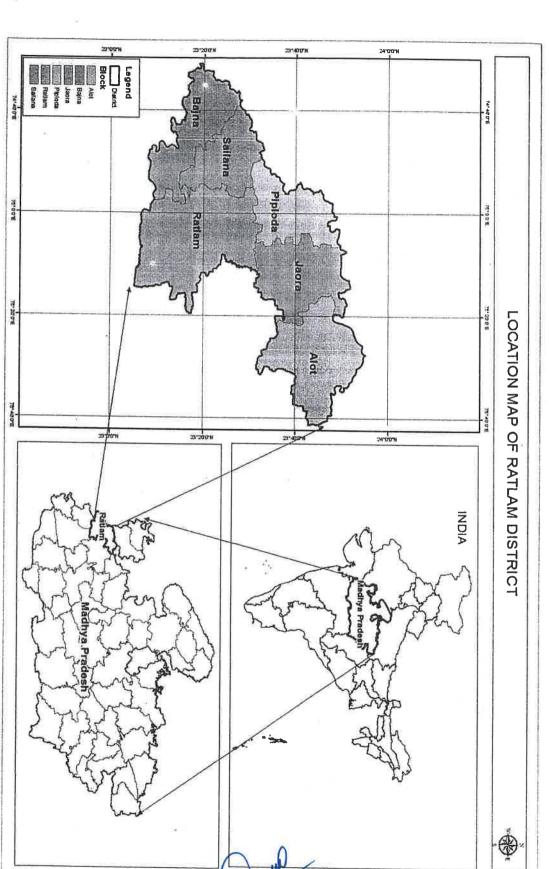


Figure 1 Location Map of the District

State Level Estiramment Impact
Assessment Authority, M.P.
(EPCO)
Paryavaran Parisar
E-5, Arera Colony, Bhopal (M.P.)

BAJNA MINING LEASES MARKED ON DISTRICT MAP RAWTI PIPLODA PATLAM ATLAM **DISTRICT - RATLAM © HEADQUARTER** CODISTRICT BOUNDARY --- RAILWAY ROADS MINERAL SYMBOL SCALE - BLOCK BOUNDARY STREAMS TEHSIL/BLOCK SAND MINES conment Impact Assessment Authority, M.P. (EPCO) Paryavaran Parisar E-5, Arera Colony, Bhopal (M.P.) State Level Ex

Chapter - 3

E-5, Arera Colony, Shopal (M.P.)

The list of Mining leases of Stone Gitti in the District with location, area and period of Validity Table 4 Gitti Stone Mines in Alot Tehsil State Level Epstronment Impact Assessment Although, M.P.

	F							
	7	6	O.	4	ω	22	-	No :
	Kumari Minal Solanki S/o Shri Hitendra Singh Solanki R/o- 97, Ward no 07, Bada Rawla, Alot, Tehs. Alot, Dist. Ratlam	Shrimati Sitara Khan W/o Shri Aslam Khan, R/o- 145, Dargah Mohalla, Tehs. Alot, Dist. Ratlam	Shri Aasharam Jat S/o Shri Kheraj Ramji, R/o- Nayagaon Alay,Dist. Nagaur (RJ)	Dayma, No- 12, Ward-5, Uprali Toli, Alot, Dist. Ratlam	Shri Jakiuddin S/o Shri Gulam Jilani R/o- Juna Bazaar, Bombay center chauraha, Alot	Shri Ranjeet Dayma S/o Shri Bherulal R/o- 12, Ward-5, Uprali Toli, Alot, Dist. Ratlam	Shri Sanjay Singh Solanki S/o Shri Ishwar Singh R/o Bada Rawla, Tehs. Alot, Dist. Ratlam	Address
	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Mineral
	04	18	143	501/1	513,517	501/1	385/2/1	Survey No.
	2.000	1.000	2.000	2.000	2.000	2.000	2.000	Area (Ha)
, .	Village- Khamariya Tehsil- Alot	Village- Khedi Tehsil- Alot	Village- Khamariya Tehsil- Alot	Village- Mau Khedi Tehsil- Alot	Village- Mau Khedi Tehsil- Alot	Village- Mau Khedi Tehsil- Alot	Village- Jeevangarh Tehsil- Alot	Village/ Tehsil
	29-01-2019 to 28-01-2029	27-06-2017 to 26-06-2027	08-11-2017 to 07-11-2027	08-11-2017 to 07-11-2027	21-07-2014 to 20-07-2024	01-10-2021 to 31-09-2031	24-11-2012 to 23-11-2022	Duration
	(1) N 23°44' 33.7" E 75°32' 12.01" (2) N 23°44' 29.5" E 75°32' 12.2" (3) N 23°44' 32.7" E 75°32' 06.8" (4) N 23°44' 35.5" E 75°32' 06.5"	(1) N 23°45' 06.71" E 75°32' 40.24" (2) N 23°45' 06.78" E 75°32' 43.53" (3) N 23°45' 02.25" E 75°32' 44.55" (4) N 23°45' 02.19" E 75°32' 40.26"	(1) N 23°44' 12.45" E 75°32' 19.94" (2) N 23°44' 13.26" E 75°32' 19.76" (3) N 23°44' 08.47" E 75°32' 19.76" (4) N 23°44' 07.51" E 75°32' 15.92"	10 10 10 1		(1) N 23°44' 43.30" E 75°31' 43.90" (2) N 23°44' 45.00" E 75°31' 51.10" (3) N 23°44' 41.10" E 75°31' 50.60" (4) N 23°44' 39.70" E 75°41' 44.00"	(1) N 23°44' 49.49" E 75°32' 05.16" (2) N 23°44' 49.80" E 75°32' 11.55" (3) N 23°44' 46.19" E 75°32' 11.75" (4) N 23°44' 46.15" E 75°32' 05.22"	Latitude (N) Longitude (E)
		e e				· -		Remark

10	9	∞	
	I .		
Shri Wasim Khan S/o Shri Aslam Khan R/o Dargah Mohalla, Alot	M/S R. K. Stone Crusher Partner: Shri Asif Khan S/o Aslam Khan, and Shri Abid Khan S/o Aslam Khan R/o Khudwadi Mohalla, Varoth road, Alot, Tehs. Alot, Dist. Ratlam	Shri Aabid Khan S/o Aslam Khan R/o- Khudwadi Mohalla, Varoth road, Alot, Tehs. Alot, Dist. Ratlam	
Stone Gitti	Stone Gitti	Stone Gitti	
504	385/2/2	143	
2.000	1.000	2.000	
Village- Mau Khedi Tehsil- Alot	Village- Jeevangarh Tehsil- Alot	Village- Khamariya Tehsil- Alot	
02-09-2020 to 01-09-2030	24-01-2019 to 23-01-2029	29-01-2019 to 28-01-2029	
(1) N 23°44' 27.69" E 75°31' 39.20" (2) N 23°44' 27.22" E 75°31' 43.44" (3) N 23°44' 21.80" E 75°31' 42.76" (4) N 23°44' 22 33" E 75°31' 38.53"	(1) N 23°44' 33.30" E 75°31' 55.74" (2) N 23°44' 33.30" E 75°31' 59.35" (3) N 23°44' 27.52" E 75°31' 55.74"	(1) N 23°44' 23.19" E 75°32' 08.15" (2) N 23°44' 23.19" E 75°32' 11.26" (3) N 23°44' 16.30" E 75°32' 11.26" (4) N 23°44' 16.30" E 75°32' 08.15"	
State Ass	essi En Aufthori (EPCO) Paryavaran Par trera Colony, Bit	nt Impac ty, M.P. isar opal (M.P	

Table 5 Gitti Stone Mine in Bajna Tehsil

_	No.
Shri Surendra Singh Bhamra S/o Jager Singh R/o- 57, New Road, Ratlam, Dist. Ratlam	.Lease Owner's Name and Address
Stone	Mineral
257	Survey No.
0.750	Area (Ha)
Village- Amlipada Tehsil- Bajna	Village/ Tehsil
10-05-2016 to 09-05-2026	Duration
(1) N 23°16' 10.88" E 74°58' 03.63" (2) N 23°16' 12.33" E 74°58' 04.85" (3) N 23°16' 05.52" E 74°58' 14.7"	Latitude (N) Longitude (E)

Table 6 Gitti Stone Mine in Jaora Tehsil

	(4) N 23°41' 06.95" E 75°08' 16.22"							
	(3) N 23°41' 06.20" E 75°08' 22.74"	31-12-2024	Tehsil- Jaora				Baser chauk, Dist. Mandsaur	
	(2) N 23°41' 07.94" E 75°08' 22.89"	01-01-2015 to	village- Kojnana	1.000	33/2	Stone Gitti	K/o- 23, Ward No21, Kalali Kharanja,	N
- 1	(1) N 23°41' 08.55" E 75°08' 16.30"		וי א				Shri Ajay Kumar Baser S/o Shri Rajmal), c
	(4) N 23 41 5/.// E /5"08 20.34"						01 14: 17	
	(3) N 23°41' 57.68" E 75°08' 25.31"	23-11-2021	I ensil- Jaora				Dist Mandsaur	
	(2) N 23°41' 03.16" E 75°08' 25.11"	24-11-2011 to	v mage- Kojnana	3.000	33/2	Stone Gitti	R/o- Village Daloda, Tehs. Daloda,	-
	(1) N 23°41' 03.15" E 75°08' 20.01"		William Bailana				onti Kamchandra Patidar S/o Shri BadriLal	
	(a) appringment			1				
	Topitule (F)	Duration	Village/ Tehsil	(Ha)	Survey No.	TATHIELBI	Trans Office of Maine and Address	No.
-	Latituda (V)			Area		N. S.	Logge Owner's Name and Address	

2 11	10	9	∞	7	6	V ₁	4	w
Shri Jitendra Hingad S/o Shri Mishrilal R/o- Badwada, Tehs. Jaora, Dist. Ratlam	Shri Rajesh Chordiya S/o Shri Babulal R/o- 14, Neem Chauk, Tehs. Jaora, Dist. Ratlam	Shri Nardev Sharma S/o Shobha Ram R/o- 129, Tilak Nagar, Tehs. Jaora, Dist. Ratlam	Shri Mahendra Singh Solanki S/o Shri Manohar Singh Solanki R/o- 28, Bamankhedi, Tehs. Jaora, Dist. Ratlam	Shri Khemraj Gurjar S/o Shri Devi Singh R/o 311, Akyaparwal, Tehs. Jaora	Shri Aadi Gorecha S/o Shri Ravindra Gorecha R/o- 91, Kothi Bazaar, TehJaora, Dist. Ratlam	Shri Ramchandra Patidar S/o Shri BadriLal R/o- Village Daloda, Tehs. Daloda, Dist Mandsaur	Shri Kapil Patel S/o Shri Jayshankar Patel R/o- 103/1, Rapat road, Teh. Jaora	Shri Sureshbhai Patel S/o Shri Kantilal R/o- Poonam Bihar Colony, Tehs. Jaora, Dist. Ratlam
Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti
226	116	91/1/1	355	321	17/2 , 17/3	18/1	17/1	33/2
1.000	4.000	4.000	2.000	3.450	1.298	2.000	1.998	3.000
Village- Faunchriya Tehsil- Jaora	Village-Badawada Tehsil-Jaora	Village- Badawada Tehsil- Jaora	Village- Sindurkiya Tehsil- Jaora	Village- Sindurkiya Tehsil- Jaora	Village- Rojhana Tehsil- Jaora	Village- Rojhana Tehsil- Jaora	Village- Rojhana Tehsil- Jaora	Village-Rojhana Tehsil-Jaora
10-01-2012 to 09-01-2022	09-01-2013 to 08-01-2023	28-11-2021 to 27-11-2031	31-05-2017 to 30-05-2027	29-06-2021 to 28-06-2031	16-01-2018 to 15-01-2028	07-02-2017 to 06-02-2027	01-09-2017 to 31-08-2027	02-08-2016 to 01-08-2026
(1) N 23°34' 06.84" E 75°16' 34.26" (2) N 23°34' 07.30" E 75°16' 36.41" (3) N 23°34' 06.72" E 75°16' 38.17" (4) N 23°34' 04.44" E 75°16' 37.93" (5) N 23°34' 05.35" E 75°16' 35.88" (6) N 23°34' 02.57" E 75°16' 36.01" (7) N 23°34' 02.51" E 75°16' 35.06"	N 23°42' 34.92" E N 23°42' 35.12" E N 23°42' 26.35" E N 23°42' 25.93" E	mmm	(1) N 23°39' 58.64" E 75°14' 47.17" (2) N 23°39' 59.89" E 75°14' 54.48" (3) N 23°39' 56.94" E 75°14' 55.16" (4) N 23°39' 55.65" E 75°14' 46.92"	(1) N 23°40' 12.30" E 75°14' 46.63" (2) N 23°40' 12.10" E 75°14' 56.47" (3) N 23°40' 08.95" E 75°14' 50.30"	(1) N 23°41′ 21.30" E 75°08′ 24.20" (2) N 23°41′ 20.90" E 75°08′ 20.60" (3) N 23°41′ 24.70" E 75°08′ 21.20" (4) N 23°41′ 24.90" E 75°08′ 24.10"	(1) N 23°41' 28.323" E 75°8' 15.849" (2) N 23°41' 28.499" E 75°8' 18.277" (3) N 23°41' 26.929" E 75°8' 19.092" (4) N 23°41' 26.673" E 75°8' 21.423" (5) N 23°41'23.156" E 75°8' 20.814" (6) N 23°41' 22.681" E 75°8' 16.142"	(1) N 23°41' 20.22" E 75°08' 19.20" (2) N 23°41' 20.83" E 75°08' 20.60" (3) N 23°41' 20.95" E 75°08' 24.34" (4) N 23°41' 15.97" E 75°08' 24.30" (5) N 23°41' 15.81" E 75°08' 18.90"	(1) N 23°40' 58.85" E 75°08' 10.79" (2) N 23°40' 58.84" E 75°08' 17.39" (3) N 23°40' 04.15" E 75°08' 17.61" (4) N 23°40' 04.32" E 75°08' 10.63"
Renewa under considera		•			¥	State • As	Lavel Envi	onment I

,___

0

Paryavar Marisar E-5, Arera County Bhopal (M.P.)

20	19	18	17	16	15	14	13	12	
5	-	- ~			5	4		2	
Shri Sandesh Kumar Jain S/o Shri Chandmal R/o- 65, Arihant colony, Dist. Ratlam	Shri Sanjeev Kumar Jain S/o Shri Chandmal R/o- 65, Arihant colony, Dist. Ratlam	Shri Raghuveer Ranawat S/o Shri Praveen Singh Ranawat R/o- Nagda, Tehs. Nagda, Dist Ratlam	Shri Mahendra Singh Solanki S/o Shri Manohar Singh Solanki R/o- 28, Village- Bamankhedi, Tehs. Jaora, Dist Ratlam	Shri Shripal Jain S/o Shri Sagarmal Jain R/o- 67, Laxmibai Marg, Tehs. Jaora, Dist Ratlam	Shri Vijendra Singh Panwar S/o Shri Shambhu Singh Panwar R/o- 12/1, Meenapur, Tehs. Jaora, Dist. Ratlam	Shri Dheeraj Singh Dodiya S/o Shri Yashwant Singh R/o- 68, Village: Nagdi, Tehs. Jaora, Dist. Ratlam	M/S S.S. Industries, Jaora Pro. Shri Sanjeev Kumar Jain S/o Shri Chandmal R/o-65, Arihant Colony, Jaora Dist. Ratlam	Shrimati Aarti Rarotiya W/o Shri Sudheer R/o- 18, Kamaal Kha, Tehs. Jaora, List. Ratlam	
Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	
33/2	33/2	486/1/1/A/1	355	81	07	07	486/1/1/A/1	486/1/1/A/1	
 2.000	1.800	1.500	2.000	2.000	2.000	1.630	2.000	2.000	
Village- Rojhana Tehsil- Jaora	Village- Rojhana Tehsil- Jaora	Village- Ringnod Tehsil- Jaora	Village- Sindurkiya Tehsil- Jaora	Village- Hatpipliya Tehsil- Jaora	Village- Sada Khedi Tehsil- Jaora	Village- Sada Khedi Tehsil- Jaora	Village- Ringnod Tehsil- Jaora	Village- Ringnod Tehsil- Jaora	
22-05-2018 to 21-05-2028	13-04-2017 to 12-04-2027	05-07-2018 to 04-07-2028	01-06-2018 to 31-05-2028	26-12-2017 to 25-12-2027	07-02-2018 to 06-02-2028	21-06-2017 to 21-10-2026	15-06-2016 to 14-06-2026	13-07-2015 to 12-07-2025	
(1) N 23°41' 02.39" E 75°08' 12.64" (2) N 23°41' 02.21" E 75°08' 16.04" (3) N 23°41' 01.17" E 75°08' 17.59" (4) N 23°40' 57.94" E 75°08' 17.27" (5) N 23°40' 58.19" E 75°08' 11.32" (6) N 23°40' 59.45" E 75°08' 11.34"	(1) N23°43'48.580" E75°10' 26.047" (2) N 23°43'47.265" E75°10' 29.726" (3) N23°43' 42.104"E 75°10' 27.263" (4) N 23°43' 43.454"E75°10' 23.383"	(1) N 23°44' 01.70" E 75°10' 10.12" (2) N 23°44' 02.98" E 75°10' 12.17" (3) N 23°44' 54.72" E 75°10' 12.98" (4) N 23°44' 54.82" E 75°10' 09.78"	(1) N 23°40' 00.30" E 75°15' 04.29" (2) N 23°40' 00.29" E 75°15' 07.47" (3) N 23°40' 58.10" E 75°15' 04.22" (4) N 23°40' 58.37" E 75°15' 07.09"	(1) N 23°40' 39.63" E 75°15' 25.74" (2) N 23°40' 39.46" E 75°15' 30.26" (3) N 23°40' 36.71" E 75°15' 29.69" (4) N 23°40' 36.57" E 75°15' 25.66"	(1) N 23°34' 42.33" E 75°06' 25.12" (2) N 23°34' 38.64" E 75°06' 58.28" (3) N 23°34' 36.14" E 75°06' 58.28" (4) N 23°34' 38.18" E 75°06' 52.50"	(1) N 23°34' 43.68" E 75°06' 47.90" (2) N 23°34' 42.94" E 75°06' 47.90" (3) N 23°34' 39.02" E 75°06' 47.90"	(1) N 23°43' 48.98" E 75°10' 25.20" (2) N 23°43' 47.50" E 75°10' 29.21" (3) N 23°43' 41.73" E 75°10' 26.42" (4) N 23°43' 42.49" E 75°10' 21.53"	(1) N 24°44' 13.99" E 75°10' 56.45" (2) N 24°44' 10.42" E 75°10' 34.10" (3) N 24°44' 13.42" E 75°10' 26.47" (4) N 24°44' 16.78" E 75°10' 28.43"	
	,			Stat.	Level In ssessment (E	Parisa	W.P.	9.	

Paryavaran Parisal E-5, Arera Colony, Bhopal (M.P.)

Shri Piyush Jain S/o Shri Pradeep Jain R/o 03, Kashmiri Gali Jaora	
Stone Gitti 76, 77	
76, 77, 78, 80, 84, 85	
2.000 Vil	
Village- Sindurkiya Tehsil- Jaora	
06-07-2020 to 05-07-2030	
(1) N 23°40' 11.93" E 75°17' 17.53" (2) N 23°40' 16.03" E 75°17' 17.01" (3) N 23°40' 01.17" E 75°14' 18.56" (4) N 23°40' 57.94" E 75°14' 22.19" (5) N 23°40' 58.19" E 75°14' 22.23" (6) N 23°40' 59.45" E 75°14' 20.86"	(7) N 23°40' 59.39" E 75°08' 12.49"

Table 7 Gitti Stone Mine in Piploda Tehsil

	Ŋ	4	ω	2	-	Z Sr.
Taylor amore	Shri Rahul Ostwal S/o Shri Chandraprakash Ostwal, R/o- 14, Old Hospital Road, Tehs Jaora	Shri Rahul Ostwal S/o Shri Chandraprakash Ostwal, R/o- 14, Old Hospital Road, Tehs Jaora	M/S U. B. Infrastrsucture Pvt. Ltd. Pro. Shri Vikram Singh Anjana S/o Shri Mohanlal, R/o- Anjana Complex, Kamal chowk, Dist. Neemach (M.P.)	Shri Shantilal Rudrani S/o Shri Somji, R/o- 10, Poonam Bihar Colony, Tehs. Jawra, Dist. Ratlam	Shrimati Renuka Rarotiya W/o Shri Madan R/o- 18, Pathantoli, Tehsil- Jawra, Dist.	Lease Owner's Name and Address
	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Mineral
	43/10	146/1	42/1	461/1	3,4/8	Survey No.
	2.000	2.000	2.000	2.000	1.253	Area (Ha)
	Village- Badayala Chorasi Tehsil- Piploda	Village- Badayala Chorasi Tehsil- Piploda	Village- Jethana Tehsil- Piploda	Village- Akyadeh Tehsil- Piploda	Village- Mamat Kheda Tehsil- Piploda	Village/ Tehsil
	23-02-2018 to 22-02-2028	23-02-2018 to 22-02-2028	24-12-2016 to 23-12-2026	27-04-2013 to 02-05-2022	01-01-2011 to 31-12-2021	Duration
	(1) N 23°34' 18.65" E 75°05' 10.00" (2) N 23°34' 18.03" E 75°05' 12.45" (3) N 23°34' 08.87" E 75°05' 10.54" (4) N 23°34' 09.37" E 75°05' 08.23"	(1) N 23°34' 17.98" E 75°05' 12.60" (2) N 23°34' 16.64" E 75°05' 16.13" (3) N 23°34' 16.03" E 75°05' 15.89" (4) N 23°34' 16.08" E 75°05' 15.60" (5) N 23°34' 08.20" E 75°05' 13.52" (6) N 23°34' 08.92" E 75°05' 10.71"	(1) N 23°40' 50.78" E 75°00' 15.15" (2) N 23°40' 51.52" E 75°00' 21.35" (3) N 23°40' 48.40" E 75°00' 21.23" (4) N 23°40' 47.43" E 75°00' 15.19"	(1) N 23°38' 07.79" E 75°02' 58.95" (2) N 23°38' 08.65" E 75°03' 06.07" (3) N 23°38' 11.56" E 75°03' 05.90" (4) N 23°38' 11.03" E 75°02' 58.57"	(1) N 23°41' 06.20" È 75°03' 38.70" (2) N 23°41' 02.33" E 75°03' 41.33" (3) N 23°41' 04.50" E 75°03' 31.60" (4) N 23°41' 02.80" E 75°03' 31.40"	Latitude (N) Longitude (E)
			€.	Renewal considera	Renewal considera	Remai



Table 8 Stone Gitti Mines in Ratlam Tehsil

Paryavaran Parisar E-5, Arera Colony, Bhopal (M.P.) State Leve

	(4) N 23°22' 24 70" E 75°00' 39 30"							
	(1) N 23°22' 25.70" E 75°00' 35.50" (2) N 23°22' 27.97" E 75°00' 36.57" (3) N 23°22' 26.70" E 75°00' 39.30"	09-06-2017 to 08-06-2027	Village- Banjli Tehsil- Ratlam	1.000	136/1/1/1	Stone Gitti	. Shri Vyankatesh Timanna S/o Shri Malyaya R/o- 81, Rajendra Nagar, Ratlam	œ
	(1) N 23°22' 33.117" E 75°0' 43.714" (2) N 23°22' 31.306" E 75°0' 44.685" (3) N 23°22' 29.365" E 75°0' 38.898" (4) N 23°22' 30.873" E 75°0' 37.999"	09-06-2017 to 08-06-2027	Village- Banjli Tehsil- Ratlam	1.000	136/1/1/1	Stone Gitti	Shri Nandkishore S/o Ramkishan Sharma R/o 80, Sajjan Mill Road, Dist. Ratlam	7
ł		06-01-2017 to 05-01-2027	Village- Nandlai Tehsil- Ratlam	1.000	222/1	Stone Gitti	Shri Naveen Vijaywargiya S/o Laxminarayan R/o 61, Lakkadpeetha, TchRatlam	6
	(1) N 23°22' 25.28" E 75°00' 32.73" (2) N 23°22' 25.33" E 75°00' 35.00' (3) N 23°22' 22.32" E 75°00' 34.25" (4) N 23°22' 22.28" E 75°00' 32.04"	06-01-2017 to 05-01-2027	Village- Nandlai Tehsil- Ratlam	1.500	222/1	Stone Gitti	Shri Vijay Jadav S/o Shri Devilal R/o- 03 Nirala nagar, Barwad road, Ratlam	5
	nmmm	23-01-2016 to 22-01-2026	Village- Nandlai Tehsil- Ratlam	1.000	222/1	Stone Gitti	Shri Jakir Hussain S/o Shri Chhote Kha R/o- 45, Nahar pura, Teh. Ratlam	4
	N 23°28' 46.30" E 75 N 23°28' 45.97" E 75 N 23°28' 41.96" E 75 N 23°28' 42.45"	14-11-2016 to 13-11-2026	Village- Namli Tehsil- Ratlam	1.000	143/1	Stone Gitti	Sayyad Mohabbat Ali S/o Wahid Ali R/o- 10/10, Mahaveer Nagar, Ratlam	ω
	N 23°28' 48.01" E N 23°28' 47.27" E N 23°28' 38.04" E N 23°28' 39.00" E N 23°28' 39.02" E N 23°28' 41.03" E	29-09-2017 to 28-09-2027	Village- Namli Tehsil- Ratlam	2.500	137	Stone	Sayyad Akhter Ali S/o Wahid Ali R/o- 10/10, Mahaveer Nagar, Ratlam	2
	(1) N 23°28' 53.77" E 75°03' 50.99" (2) N 23°28' 50.58" E 75°03' 50.56" (3) N 23°28' 50.45" E 75°03' 52.19" (4) N 23°28' 47.98" E 75°03' 51.93" (5) N 23°28' 48.37" E 75°03' 48.13" (6) N 23°28' 50.81" E 75°03' 48.52" (7) N 23°28' 50.68" E 75°03' 49.75" (8) N 23°28' 53.83" E 75°03' 50.56"	23-05-2018 to 22-05-2028	Village- Namli Tehsil- Ratlam	1.000	137	Stone Gitti	Shri Mohanlal Kumawat S/o Shri Ghasilal R/o- 117/2, Shastri Nagar, Ratlam	-
	Latitude (N) Longitude (E)	Duration	Village/ Tehsil	Area (Ha)	Survey No.	Mineral	Lease Owner's Name and Address	No.

18	17	-	15	-	13	12	11	<u> </u>	15
∞	7	16	, o	14		2	1	10	9
Shri Rakesh Kothari S/o Shri Nihaalchandra R/o- 490, Katju nagar Ratlam	Shri Vyankatesh Timanna S/o Shri Malyaya R/o- 81, Rajendra Nagar, Ratlam	Shri Subhashchandra Jain S/o Shri Rakhabchadra R/o- 148, Subhash nagar, Ratlam	Shrimati Manju Rajoriya W/o Shri Karnal R/o- 106, Shastri Nagar, Dist. Ratlam	Shrimati Chenakumari W/o Shri Mahendra R/o- 30, Hatiram Darwaja, Dist. Ratlam	Shri Ratanlal Kumawat S/o Shri KanhaiyaLal R/o- 138, Lakkad Peetha, Dist. Ratlam	Shri Pankaj Purohit S/o Shri Bajrang R/o- 138, Jawahar Nagar, Dist. Ratlam	Moh. Jakir Hussain S/o Chhote Kha R/o- Sahar Saray, Dist. Ratlam	Shri Subhash Chandra Jain S/o Rakhabchandra R/o 148, Subhash Nagar, Ratlam	Shri Naveen Vijayvargiya S/o Laxminarayan R/o- 61, Lakkad Peetha, Dist. Ratlam
Stone Gitti	Stone	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti
472 (179)	136/1/1/1	136/1/1/1	136/1/1/1	136/1/1/1	136/1/1/1	136/1/1/1	136/1/1/1	136/1/1/1	136/1/1/1
2.000	1.000	2.000	0.800	1.000	0.600	1.000	1.000	1.500	1.000
Village- Bibdod Tehsil- Ratlam	Village- Banjli Tehsil- Ratlam	Village-Banjli Tehsil-Ratlam	Village-Banjli Tehsil-Ratlam	Village- Banjli Tehsil- Ratlam	Village- Banjli Tehsil- Ratlam	Village- Banjli Tehsil- Ratlam	Village- Banjli Tehsil- Ratlam	Village- Banjii Tehsil- Ratlam	Village- Banjli Tehsil- Ratlam
15-12-2016 to 14-12-2026	09-02-2018 to 08-02-2028	08-09-2017 to 07-09-2027	10-05-2012 to 09-05-2022	10-05-2012 to 09-05-2022	28-12-2014 to 27-12-2024	23-12-2014 to 22-12-2024	24-11-2011 to 23-11-2021	05-03-2021 to 04-03-2031	11-05-2011 to 10-05-2021
(1) N 23°19' 40.79" E 75°58' 01.75" (2) N 23°19' 38.84" E 75°58' 04.89" (3) N 23°19' 34.48" E 75°58' 59.96" (4) N 23°19' 36.63" E 75°58' 57.10"	(1) N 23°22' 25.50" E 75°00' 32.60" (2) N 23°22' 29.97" E 75°00' 36.27" (3) N 23°22' 29.21" E 75°00' 38.06" (4) N 23°22' 27.77" E 75°00' 37.15" (5) N 23°22' 28.00" E 75°00' 36.53" (6) N 23°22' 24.84" E 75°00' 34.81"	(1) N 23°22' 19.39" E 75°00' 36.67" (2) N 23°22' 19.06" E 75°00' 38.98" (3) N 23°22' 18.32" E 75°00' 40.73" (4) N 23°22' 15.48" E 75°00' 40.09" (5) N 23°22' 16.65" E 75°00' 35.96"		(1) N 23°22' 24.22" E 75°00' 39.77" (2) N 23°22' 23.66" E 75°00' 42.24" (3) N 23°22' 19.35" E 75°00' 41.26" (4) N 23°22' 19.90" E 75°00' 38.82"	(1) N 23°22' 25.28" E 75°00' 32.73" (2) N 23°22' 25.33" E 75°00' 35.00" (3) N 23°22' 22.32" E 75°00' 34.25" (4) N 23°22' 22.28" E 75°00' 32.04"	(1) N 23°22' 25.70" E 75°00' 35.50" (2) N 23°22' 27.97" E 75°00' 36.57" (3) N 23°22' 26.70" E 75°00' 39.30" (4) N 23°22' 24.70" E 75°00' 38.20"	(1) N 23°22' 36.70" E 75°00' 43.30" (2) N 23°22' 37.20" E 75°00' 45.40" (3) N 23°22' 33.30" E 75°00' 42.00" (4) N 23°22' 34.50" E 75°00' 40.50"	(1) N 23°22' 18.84" E 75°00' 36.43" (2) N 23°22' 18.37" E 75°00' 40.92" (3) N 23°22' 22.45" E 75°00' 42.33" (4) N 23°22' 22.56" E 75°00' 37.16"	(1) N 23"22" 24.50" E 75"00" 27.80" (2) N 23"22" 27.30" E 75"00' 30.20" (3) N 23"22" 26.10" E 75"00' 32.20" (4) N 23"22" 23.10" E 75"00' 30.20"
24.5		3		•	•	el g	Renew al unde r		Renewal under

28 S	27 Sł R/c	26 R	25 R	24	23 Shri	22	21	20	19	
Shri Rahul Tauk S/o Shri Kailash Tauk R/o- 148, Village- Munddi, Tehsil- Ratlam	Shri Deepak Tauk S/o Shri Kailash Tauk R/o- 148, Village- Munddi, Tehsil- Ratlam	Sayyad Afsaar Ali S/o Wahid Ali, R/o- 16/10, Rahmat Nagar, Dist Ratlam	Sayyad Afsaar Ali S/o Wahid Ali, R/o- 16/10, Rahmat Nagar, Dist Ratlam	Shri Rijwan S/o Shri Abdul Rehman R/o- Ashok Nagar, Ratlam	Shri Rahul Jaisawal S/o Shri Narendra Kumar R/o- 125, Gandhinagar, Dist Ratlam	Shri Rishabh Paweja S/o Shri Mahendra Pawecha R/o- 30, Hatiram Darwaja, Ratlam	M/S Kamdhenu Stone and Sand Partner Shri Sanjay Patwala R/o- Teacher colony Ratlam	M/S Kamdhenu Stone and Sand Partner Shri Sanjay Patwala R/o- Teacher colony Ratlam	M/S Kamdhenu Stone and Sand Partner Shri Sanjay Patwala R/o- Teacher colony Ratlam	
Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	
3/1/1/1	3/1/1/1	3/1/1/1	3/1/1/1	65	181	101	126	126	126	is a
2.000	2.000	4.000	4.000	2.000	2.000	1.600	3.750	3.750	4.000	2
Village- Sanwliya Rundi Tehsil- Ratlam	Village- Sanwliya Rundi Tehsil- Ratlam	Village- Sanwliya Rundi Tehsil- Ratlam	Village- Sanwliya Rundi Tehsil- Ratlam	Village- Bibdod Tehsil- Ratlam	Village- Bibdod Tehsil- Ratlam	Village- Bibdod Tehsil- Ratlam	Village- Bibdod Tehsil- Ratlam	Village- Bibdod Tehsil- Ratlam	Village- Bibdod Tehsil- Ratlam	2
27-02-2018 to 26-02-2028	27-02-2018 to 26-02-2028	27-08-2019 to 26-08-2029	24-11-2021 to 23-11-2031	07-02-2018 to 06-02-2028	14-07-2015 to 13-07-2025	12-12-2017 to 11-12-2027	18-12-2017 to 17-12-2027	18-12-2017 to 17-12-2027	18-12-2017 to 17-12-2027	
(1) N 23°17' 23.56" E 74°57' 05.37'' (2) N 23°17' 25.01" E 74°57' 09.55'' (3) N 23°17' 19.34" E 74°57' 11.52'' (4) N 23°17' 17.91" E 74°57' 07.50''	(1) N 23°17' 25.22" E 74°57' 09.88" (2) N 23°17' 26.74" E 74°57' 14.61" (3) N 23°17' 20.63" E 74°57' 16.64" (4) N 23°17' 19.42" E 74°57' 11.86"	(1) N 23°17' 28.579" E 74°57' 31.78" (2) N 23°17' 28.449" E 74°57' 35.692" (3) N 23°17' 16.862" E 74°57' 35.087" (4) N 23°17' 16.991" E 74°57' 31.176"	(1) N 23°17' 22.87" E 74°57' 23.68" (2) N 23°17' 23.45" E 74°57' 30.72" (3) N 23°17' 16.96" E 74°57' 30.59" (4) N 23°17' 16.57" E 74°57' 23.30"	(1) N 23°20' 24.76" E 74°57' 17.22" (2) N 23°20' 24.76" E 74°57' 21.78" (3) N 23°20' 25.80" E 74°57' 21.82" (4) N 23°20' 25.84" E 74°57' 22.47" (5) N 23°20' 22.64" E 74°57' 22.39" (6) N 23°20' 22.70" E 74°57' 17.44"	(1) N 23°19' 54.12" E 75°57' 59.01" (2) N 23°19' 55.68" E 75°58' 5.96" (3) N 23°19' 52.65" E 75°58' 6.68" (4) N 23°19' 50.95" E 75°57' 59.52"	(1) N 23°19' 55.23" E 74°57' 21.95" (2) N 23°19' 55.29" E 74°57' 26.02" (3) N 23°19' 52.94" E 74°57' 26.29" (4) N 23°19' 52.83" E 74°57' 22.56"	(1) N 23°19' 32.70" E 74°57' 38.99" (2) N 23°19' 31.05" E 74°57' 50.08" (3) N 23°19' 30.13" E 74°57' 50.30" (4) N 23°19' 26.23" E 74°57' 37.12"	(1) N 23°19' 36.75" E 74°57' 40.14" (2) N 23°19' 35.58" E 74°57' 49.03" (3) N 23°19' 31.05" E 74°57' 50.08" (4) N 23°19' 32.70" E 74°57' 38.99''	(1) N 23°19' 37.2" E 74°57' 36.1" (2) N 23°19' 36.5" E 74°57' 40.1" (3) N 23°19' 27.2" E 74°57' 32.7" (4) N 23°19' 26.23" E 74°57' 37.12"	Assessment Impaci
. E	1£		<u>(j</u>	,	*	ř.	(i)	*	¥ -,	

	(4) N 23 Y 30 E /4 3/ 3 8/							
	(3) N 23°19' 18.57" E 74°57' 00.69"	31-08-2026		2.000	04	Gitti	R/o- 14/1, Sahar Saray, Nahar pura road Ratlam	3/
	(1) N 23°19' 25.03" E 74°57' 57.31" (2) N 23°19' 25.17" E 74°57' 00.40"	01-09-2016 to	Village- Sarwani Khurd Tehsil- Ratlam		2	Stone	Shri Bharat Rathod S/o Shri Shyam Sundar	3
	(4) N 23°18' 45.42" E 75°13' 02.54"	21-07-2020	rensii- Kanam			CILL	Dist. Indore	
768	(3) N 23°18' 45.34" E 75°13' 08.74"	22-07-2016 to	Village- Lunera	2.000	117/1	Stone	R/o-23, Joy Builder Colony, Ranisati Gate,	36
	(1) N 23°18' 48.84" E 75°13' 02.50"					9	Shri Mahendra Agarwal S/o Shri Prabhudayal	
	(4) N 23°18' 45.42" E 75°13' 02.54"						Dish HIGGIC	
	(3) N 23°18' 45.34" E 75°13' 08.74"	21-07-2026	Tehsil- Ratlam	2.000	11//1	Gitti	Diet Indore	ļ
	(1) N 23°18' 48.84" E 75°13' 02.50" (2) N 23°18' 48.78" E 75°13' 08.79"	22-07-2016 to	Village- Lunera	3 000	117/1	Stone	Shri Mahendra Agarwal S/o Shri Prabhudayal R/o- 23 Tov Builder Colony Ranisati Gate	بر ا
	(4) N 23°18' 51.08" E 75°13' 19.40"						TAMPHIALL	
,	(3) N 23°18' 50.81" E 75°13' 25.51"	25-12-2021	Tehsil- Ratlam	1.000		Gitti	Ratlam	,
	(2) N 23°18' 54.65" E 75°13' 25.72"	26-12-2011 to	Village- Lunera	2 000	117/1	Stone	R/o Village- Lunera Tehs Ratlam Dist-	34
	(1) N 23°18' 54 04" E 75°13' 10 60"						She Wilman Singh Dark at St. T	
	(4) N 23°09' 96 75" E 75°10' 23 05"	01-11-2020	- Valous Averages				Ratlam, Dist Ratlam	
	(3) N 23°09' 47' 00" E 75°10' 26' 42"	01-12-2025	Tehsil- Ratiam	1.000	535/1	G: 1	R/o- Shakti Aara Machine, Jawra Phatak, Teh.	33
	(1) N 23°U9' 45.37" E 75°10' 21.14"	02-12-2015 to	Village- Sarwad			Stone	Shri Vinod Bhai Patel S/o Shri Rajvi Bhai	3
	(4) N 23°10' 10.84" E 75°09' 21.22"							
	(3) N 23°10' 10.56" E 75°09' 25.49"	30-11-2027	Tehsil- Ratlam			Gitti	R/o- Ashok nagar Ratlam	
i	(2) N 23°10' 15.23" E 75°09' 25.89"	01-12-2017 to	Village- Sarwad	2,000	490/1	Stone	Shri Ejan Belim S/o Shri Akbar Belim	32
	(1) N 23°10' 15.55" E 75°09' 21.76"							
	_							
	(3) N 23°09' 47.00" E 75°10' 26.42"	03-12-2030	Tehsil- Ratlam	2.000	333/1	Gitti	R/o Shakti Aara Machine Jawra Fatak Ratlam	31
	(1) N 23°09' 45.37" E 75°10' 21.14"	04-12-2020 to	Village- Sarwad			Stone	Shri Vinod Bhai Patel S/o Shri Raoji Bhai,	2
	(8) N 23°17' 15.22" E 74°58' 14.87"	×						
	N 23°17' 15.82"							
	N 23°17' 16.90"						R/o- A/54, Dongre Nagar, Ratlam	
		26-11-2026	Tehsil- Ratlam	1.200	71417	Gitti	Pullawar w/o sirri Jaswaiii	00
	N 23°17' 15.73"	27-11-2016 to	Village- Rajpura	1 300	27.75	Stone	raj rajeshwar bone Crasici, bu illan bullia	3
							Rai Raiechwari Stone Crucher Shrimati Sunita	
	(2) N 23°17' 11.96" E 74°58' 17.17"							
	(1) N 23°17' 11.88" E 74°58' 15.05"							
	(4) N 23°05' 32.50" E 74°11' 10.30"						ria .	
	(3) N 23°05′ 29.80" E 74°11′ 10.60"	27-11-2027	Tehsil- Ratlam	1.000	1/2/	Gitti	R/o A-101, Jupitar Tower Ahamdabad (GJ)	23
	(2) N 23°05′ 28.80" E 74°11′ 18.80"	28-11-2017 to	Village- Sujlana	1 600	76/1	Stone	Shri Mukta Singh D/o Shri Prem Singh	30
Stala	(1) N 23 US 31.40" E /4"11 19.00"							

Assessment Authorite (EPCO)
E-5, Arera Colony, Bhoose



		=						
46	45	44	43	42	41	40	39	38
Shri Gaurav Jain S/o Shri Ashok ji Jain R/o- 64A, Rajendra Nagar Ratlam	Shrimati Megha Sharma W/o Shri Rohan Sharma R/o- 80, Sajjan Mill Road, Ratlam	Shri Girdhari Purohit S/o Shri Lal ji Purohit R/o- 120, Jawahar Nagar, Ratlam	Shri Pankaj Purohit S/o Shri Bajrang R/o- 138, Jawahar nagar, Ratlam	Shri Nandkishore Sharma S/o Shri Ramkishan Sharma, R/o- 80, Sajjan Mill Road, Dist Ratlam	Shri Prateek VijayVargiya S/o Shri Sudheer R/o- 120, ShriRam Mansion, Power House Road, Ratlam, Dist Ratlam	W/o Shri Shashank R/o- 63, Lakkadpeetha, Ratlam, Dist Ratlam	Shri Prateek VijayVargiya S/o Shri Sudheer R/o- 120, ShriRam Mansion, Power House Road, Ratlam, Dist Ratlam Shrimati Akansha Vijayungaina	Shri Kailash Kumawat S/o Shri Girdharilal R/o- 120, Karmadi Road, Dist Ratlam
Stone Gitti	Stone	Stone Gitti	Stone Gitti	Stone	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti
169	169	169	169	169	04	01	01	01
1.950	1.000	1.750	1.500	2.000	1.500	1.000	1.900	1.900
Village- Sarwani Khurd Tehsil- Ratlam	Village- Sarwani Khurd Tehsil- Ratlam	Village- Sarwani Khurd Tehsil- Ratlam	Village- Sarwani Khurd Tehsil- Ratlam	Village- Sarwani Khurd Tehsil- Ratlam	Village- Sarwani Khurd Tehsil- Ratlam	Village- Sarwani Khurd Tehsil- Ratlam	Village- Sarwani Khurd Tehsil- Ratlam	Village- Sarwani Khurd Tehsil- Ratlam
23-02-2018 to 22-02-2028	24-02-2018 to 23-02-2028	24-02-2018 to 23-02-2028	24-02-2018 to 23-02-2028	24-02-2018 to 23-02-2028	12-12-2017 to 11-12-2027	12-12-2017 to 11-12-2027	21-10-2015 to 20-10-2025	21-10-2015 to 20-10-2025
(1) N 23°18' 50.90" E 74°57' 20.50" (2) N 23°18' 47.80" E 74°57' 18.40" (3) N 23°18' 43.60" E 74°57' 16.00"	(1) N 23°18' 49.02" E 74°57' 10.60" (2) N 23°18' 49.05" E 74°57' 13.82" (3) N 23°18' 44.84" E 74°57' 13.82" (4) N 23°18' 44.84" E 74°57' 11.63" (5) N 23°18' 46.89" E 74°57' 10.52"	(1) N 23°18' 55.70" E 74°57' 10.41" (2) N 23°18' 57.26" E 74°57' 11.83" (3) N 23°18' 55.43" E 74°57' 13.81" (4) N 23°18' 49.31" E 74°57' 13.87" (5) N 23°18' 49.20" E 74°57' 10.50"	(1) N 23°18' 55.46" E 74°57' 13.93" (2) N 23°18' 50.69" E 74°57' 18.92" (3) N 23°18' 49.45" E 74°57' 19.44" (4) N 23°18' 49.30" E 74°57' 44.44"		(1) N 23°19' 15.11" E 74°57' 43.04" (2) N 23°19' 16.57" E 74°57' 48.69" (3) N 23°19' 24.13" E 74°57' 53.09" (4) N 23°19' 21.32" E 74°57' 54.53" (5) N 23°19' 14.77" E 74°57' 48 04"	(1) N 23°19' 22.930" E 74°57' 49.480" (2) N 23°19' 32.932" E 74°57' 53.905" (3) N 23°19' 28.878" E 74°57' 55.044" (4) N 23°19' 26.927" E 74°57' 50.370"	(1) N 23°19' 32.211" E 74°57' 43.04." (2) N 23°19' 16.57" E 74°57' 48.69'' (3) N 23°19' 24.13" E 74°57' 53.09'' (4) N 23°19' 21.32" E 74°57' 54.53'' (5) N 23°19' 14.77" E 74°57' 48.94''	(1) N 23°19' 26.90" E 74°57' 40.40'' (2) N 23°19' 30.30" E 74°57' 49.50'' (3) N 23°19' 27.60" E 74°57' 49.80'' (4) N 23°19' 24.70" E 74°57' 40.90''
					a		ř	State Level

54	53	52	51	50	49	48	47	
Shrimati Neesreen Pakawala S/o Shabbeer Pakawala	Shri Chetan Singh Solanki S/o Shri Narendra Singh R/o- 2065 D, Sudama Nagar, Indore, Dist. Indore	Shri Rajmal Kumawat, R/o –Ratlam	Shri Vijay Kumar Jadav S/o Shri DeviLal R/o- 03, Nirala Nagar, Badwad Naka Ratlam	Shri PremaRam Puniya S/o Shri PeerRam R/o- 63, Aasharam Bapu Nagar, Ratlam	Shri Manoharlal Kumawat Ratlam	Shri Manoharlal Kumawat Ratlam	Shrimati Poorva Jain W/o Shri Gaurav Jain R/o- 64A, Rajendra Nagar Ratlam	
Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	
273/16, 273/17	12	172 o 173	169	273/1	172	172	169	
2.000	2.000	1.300	1.500	2.000	1.600	1.500	1.650	
Village- Rampuriya Tehsil- Ratlam	Village- Sujlana Tehsil- Ratlam	Village- Sarwani Khurd Tehsil- Ratlam	Village- Sarwani Khurd Tehsil- Ratlam	Village- Nawgawan Kalan Tehsil- Ratlam	Village- Sarwani Khurd Tehsil- Ratlam	Village- Sarwani Khurd Tehsil- Ratlam	Village- Sarwani Khurd Tehsil- Ratlam	
17-12-2020 to 16-12-2030	09-11-2017 to 08-11-2027	01-06-2018 to 31-05-2028	24-02-2018 to 23-02-2028	05-07-2018 to 04-07-2028	19-02-2018 to	19-02-2018 to 18-02-2028	23-02-2018 to 22-02-2028	
(1) N 23°21' 38.47" E 74°58' 25.82" (2) N 23°21' 39.11" E 74°58' 31.72"	(1) N 23°05' 44.50" E 74°10' 59.60" (2) N 23°05' 44.41" E 74°11' 00.64" (3) N 23°05' 42.19" E 74°11' 01.26" (4) N 23°05' 40.95" E 74°11' 00.78" (5) N 23°05' 40.31" E 74°10' 59.54" (6) N 23°05' 41.46" E 74°10' 58.31"	(1) N 23°18' 43.0" E 74°57' 20.1" (2) N 23°18' 43.5" E 74°57' 21.6" (3) N 23°18' 44.0" E 74°57' 23.5" (4) N 23°18' 36.6" E 74°57' 21.7" (5) N 23°18' 37.8" E 74°57' 22.6" (6) N 23°18' 39.4" E 74°57' 24.3"	(1) N 23°18' 44.66" E 74°57' 11.72" (2) N 23°18' 44.67" E 74°57' 13.90" (3) N 23°18' 41.78" E 74°57' 13.94" (4) N 23°18' 41.73" E 74°57' 14.92" (5) N 23°18' 39.01" E 74°57' 12.65" (6) N 23°18' 39.70" E 74°57' 11.91"	(1) N 23°28' 37.60" E 74°59' 43.78" (2) N 23°28' 35.95" E 74°59' 48.57" (3) N 23°28' 31.77" E 74°59' 46.83" (4) N 23°28' 33.46" E 74°59' 42.13"	(1) N 23°18' 39.49" E 74°57' 10.28" (2) N 23°18' 38.28" E 74°57' 12.42" (3) N 23°18' 39.93" E 74°57' 13.90" (4) N 23°18' 40.00" E 74°57' 17.92" (5) N 23°18' 37.09" E 74°57' 18.01" (6) N 23°18' 36.25" E 74°57' 10.45"	(1) N 23°18' 41.15" E 74°57' 18.17" (2) N 23°18' 39.85" E 74°57' 21.32" (3) N 23°18' 40.94" E 74°57' 23.47" (4) N 23°18' 37.29" E 74°57' 23.84" (5) N 23°18' 37.09" E 74°57' 18.27"	d d - d of d	(4) N 23°18' 46.20" E 74°57' 20.40"
*				a	' Stall	Level Envi	thorny M.P.	(P)

(4)N 23°17' 57.224" E 74°58' 13.307"						R/o- 20, Jain Colony Katlam	
(2) N 23°17' 3.357" E.74°58' 17.334" (3) N 23°17' 58.918" E 74°58' 18.219"	21-04-2022 to 20-04-2032	Village- Dhabaipada Tehsil- Ratlam	2.000	13/3/2	Stone Gitti	W/o Hitesh Surana	58
(1) N 23°17' 1.74" E 74°58' 11.788"					2	Shrimati Archana Surana	
(4) N 23°20' 15.528" E 74°57' 17.526'						Kauam	
(3) N 23°20' 15.701" E 74°57' 23.703"	10-04-2028	Tehsil- Ratlam	1.000	ę	Gitti	100-4, Saila Saay, Caytui Cilicilia, Dist-	,
(2) N 23°20' 19.485" E 74°57' 23.575"	11-04-2008 to	Village- Bibdod	2 000	γγ	Stone	P/o / Sahar Saray Gayitri Cinama Dist	7
(1) N 23°20' 19.39" E 74°57' 17.515"						Shri Dinesh Porwal S/o Shri KishanLal	
(4) N 23°21' 38.19" E 74°58' 31.87"						K/o- 15, Avishkar Apartment, Manu road, Katlam	
(3) N 23°21′ 38.68" E 74°58′ 34.12"	16-12-2030	Tehsil- Ratlam	1:000	4/3/11	Git:	O/O Guichara Singa Tilawai	Č
(2) N 23°21' 42.46" E 74°58' 35.12'	17-12-2020 to	Village- Rampuriya	1 500	272/17	Stone	C/o Gurandra Singh Thakur	Z,
(1) N 23°21' 41.52" E 74°58' 31.68'						Shri Jitendra Singh Thakur	
(6) N 23°21' 33.79" E 74°58' 29.89 "							
(5) N 23°21' 35.40" E 74°58' 33.10"							
(4) N 23°21' 38.47" E 74°58' 33.53"	16-12-2030	Tehsil- Ratlam	1.000	1001	Gitti	R/o- '6, Rambagh, Ratlam	Ü
(3) N 23°21' 38.08" E 74°58' 31.85"	17-12-2020 to	Village- Rampuriya	1 000	773/17	Stone	Shri Shabbeer Pakawala S/o Nizzamuddin	ክ ክ
(2) N 23°21' 36.62" E 74°58' 31.94"							
(1) N 23°21' 36.32" E 74°58' 28.30"		0.					
(5) N 23°21' 35.85" E 74°58' 28.27"							
(4) N 23°21' 36.34" E 74°58' 28.26"							
(3) N 23°21' 36.71" E 74°58' 31.85"						R/o- 16, Rambagh, Ratlam	

Table 9 Gitti Stone Mine in Sailana Tehsil

ω	2	1	No.
Shri Dharnendra Singh Rathore S/o Shri Prabhunath Singh R/o- 32, Bajaar Chowk, Village Berda, Tehs. Sailana, Dist. Ratlam	M/S Anish Infracon India Pvt. Ltd., Himmatnagar (Guj.) [Pro. Rijwan Vijapura S/o Shri Iliyas Hal. Mu1101/5, Near Salakhedi Bypass Ratlam	Shri Rajendra Prasad Sunda S/o Shri Pannaram R/o- 134, Village Bidoribadi, Tehs. Laxmangarh, Dist. Sikar (Raj.)	Lease Owner's Name and Address
Stone Gitti	Stone Gitti	Stone Gitti	Mineral
25/1	198/3/1	3	Survey No.
2.000	1.650	1.000	Area (Ha)
Village- Jambudiya Tehsil- Sailana	Village- Kher Khunta Tehsil- Sailana	Village- Jamda Gujra Tehsil- Sailana	Village/ Tehsil
06-10-2016 to 05-10-2026	17-05-2016 to 16-05-2026	24-12-2016 to 06-07-2021	Duration
(1) N 23°27' 30.27" E 74°42' 25.80" (2) N 23°27' 30.33" E 74°42' 29.03" (3) N 23°27' 21.01" E 74°42' 27.78" (4) N 23°27' 20.66" E 74°42' 25.58" (5) N 23°27' 24.01" E 74°42' 27.51"	(1) N 23°17' 26.19" E 74°52' 16.50" (2) N 23°17' 26.43" E 74°52' 21.98" (3) N 23°17' 23.08" E 74°52' 19.79" (4) N 23°17' 22.48" E 74°52' 16.88"	(1) N 23°35' 39.05" E 74°82' 73.1" (2) N 23°35' 38.2" E 74°82' 82.4" (3) N 23°35' 26.7" E 74°82' 78.1" (4) N 23°35' 26.7" E 74°82' 87.5"	Latitude (N) Longitude (E)
	10	Renewal under consideration	Remark

4	
Shri Bheru Singh Bheel S/o Shri Hawji Bheel, R/o- 14/1, Village- Kolapura, Tehs. Sailana, Dist. Ratlam	
Stone Gitti	
သ	
2.000	
Village- Patdi Tehsil- Sailana	
28-12-2017 to 27-12-2027	
(1) N 23°30' 45.75" E 74°47' 13.73" (2) N 23°30' 47.54" E 74°47' 05.31" (3) N 23°30' 52.11" E 74°47' 05.20" (4) N 23°30' 49.66" E 74°47' 15.01"	(6) N 23°27' 26.65" E 74°42' 24.88"
•	

Table 10 Gitti Stone Mine in Tal Tehsil

		TA AT	2					
No	Lease Owner's Name and Address	ral	No.	(Ha)	Village/ Tehsil	Duration	Latitude (N) Longitude (E)	Remark
1	Shri Arjun Singh Chauhan S/o Shri Shaubhan Singh R/o- Village Daulatganj, Tehs. Tal, Dist. Ratlam	Stone Gitti	04	2.000	Village- Kharwa Kalan Tehsil- Tal	07-09-2017 to 06-09-2027	(1) N 23°36' 54.34" E 75°27' 02.41" (2) N 23°36' 52.39" E 75°27' 07.40" (3) N 23°36' 57.07" E 75°27' 08.05"	
2	Shri Santosh Kumar Paliwal S/o Shri Rameshchandra, R/o-Tajkheda, Tehs. Tal, Dist. Ratlam	Stone Gitti	04	2.000	Village- Kharwa Kalan Tehsil- Tal	05-01-2011 to 04-01-2021	(1) N 23°37' 39.96" E 75°27' 34.20" (2) N 23°37' 40.02" E 75°27' 34.22" (3) N 23°37' 40.02" E 75°27' 34.30" (4) N 23°37' 47 60" E 75°27' 34.00"	Renewal under consideration
ω	Shri Rituraj Singh S/o Shri Shivraj Singh R/o- Village Mandawal, Tehs. Tal, Dist. Ratlam	Stone Gitti	2/1	1.000	Village- Napa Kheda Tehsil- Tal	08-02-2011 to 07-02-2021	(1) N 23°36' 42.67" E 75°26' 54.65" (2) N 23°36' 42.79" E 75°26' 00.50" (3) N 23°36' 37.25" E 75°26' 00.52" (4) N 23°36' 37.31" E 75°26' 55.36"	Renewal under consideration
4	Moh. Shahid Hussain S/o Jahur Hussain R/o- Station Road, Tehs. Tal, Dist. Ratlam	Stone Gitti	137	2.000	Village- Abupura Tehsil- Tal	01-07-2011 to 30-06-2021	(1) N 23°61' 95.1" E 75°41' 77.6" (2) N 23°61' 95.2" E 75°41' 97.9" (3) N 23°61' 79.0" E 75°41' 80.7" (4) N 23°64' 90.5" E 75°41' 90.0"	Renewal under consideration
Us.	Shri Sabir Hussain S/o Shri Fajruddin Hussain, R/o- Village Pawsar, Tehs. Hathin, Dist. Palwal (Hariyana) Hal. Mu Village Abupura, Tehs. Tal, Dist. Ratlam	Stone Gitti	147	2.000	Village- Abupura Tehsil- Tal	17-08-2016 to 16-08-2026	(1) N 23°62' 06.4" E 75°41' 74.8" (2) N 23°62' 11.9" E 75°41' 88.2" (3) N 23°62' 23.1" E 75°41' 78.7" (4) N 23°62' 21.0" E 75°41' 70.8"	
6	Shri Sachin Banthiya S/o Shri Sanjay Kumar ji, R/o- 28, Ward- 03, Rana Pratap Marg, Tal, Tehs. Tal, Dist. Ratlam	Stone Gitti	147	2.000	Village- Abupura Tehsil- Tal	21-06-2017 to 20-06-2027	(1) N 23°37' 19.934" E 75°25' 0.579" (2) N 23°37' 14.137" E 75°25' 0.895" (3) N 23°37' 14.115" E 75°25' 56.877" (4) N 23°37' 19.88" E 75°25' 56.773"	

State Lefe Environment Impact
Asses (P.O.)
Paryarata Parisar (M.P.)

State Level Enternment Impact
Assessment Arthority, M.P.
(ENCO)
Paryavaran Parisar
E-5, Arera Colony, Bhopal (M.P.)

	9	∞	7
	Shri Asnish Gupta, R/o Jaora	Shrimati Dulle Kunwar Rajput S/o Shri Pratap singh R/o- 210, Village-Kalukhedi, Tehs. Tal, Dist.Ratlam	M/S South East Construction Company Pvt. Ltd. Pro. Shri Ajay Muwa S/o Shri Padmaya ji, R/o- 112, Kaliman Koli Street, Nishant nagar, Berugam bakam, Chennai
	Stone Gitti	Stone Gitti	Stone Gitti
	358/1	244	478
	2.000	2.000	2.000
	Village- Malya Tehsil- Tal	Village- Kolu Khedi Tehsil- Tal	Village- Abupura Tehsil- Tal
	07-02-2018 to 06-02-2028	22-09-2016 to 21-09-2026	24-11-2017 to 23-11-2022
(4) N 23"46" 39./0" E 75°19' 22.50"	(1) N 23°46' 40.00" E 75°19' 18.60" (2) N 23°46' 33.80" E 75°19' 18.50" (3) N 23°46' 33.80" E 75°19' 22.80"	(1) N 23°32' 48.80" E 75°30' 30.79" (2) N 23°32' 48.95" E 75°30' 35.31" (3) N 23°32' 45.98" E 75°30' 35.40" (4) N 23°32' 45.83" E 75°30' 30.87"	(1) N 23°37' 24.22" E 75°25' 41.98" (2) N 23°37' 24.20" E 75°25' 47.63" (3) N 23°37' 22.26" E 75°25' 48.67" (4) N 23°37' 22.17" E 75°25' 46.24 (5) N 23°37' 17.69" E 75°25' 46.24" (6) N 23°37' 17.69" E 75°25' 42.15"

BAJNA MINING LEASES MARKED ON DISTRICT MAP #RAWTI SAILAM PIPLODA ۰, ATLAM Assessment Authority, M.P.
(EPCO)
Paryavaran Parisar
E-5, Arera Colony, Bhopal (M.P.) **DISTRICT - RATLAM** ROADS STONE MINES O HEADQUARTER SDISTRICT BOUNDARY --- BLOCK BOUNDARY MINERAL SYMBOL State Level Enug SCALE . TEHSIL/BLÖCK RAILWAY

Assessment American length of the Parisar Parisar Parisar Colony, Shopal (M.P.)

No. Mame of LOJ notder Address Log definerals Stone W/o Shri Rahul, Ratlam Khurd Dist Ratlam 13/09/2021 2 Gitti Shri Jakiuddin Kaji S/o Shri Narendra, Ratlam Khurd Dist Ratlam 13/09/2021 3 Gitti Shri Jakiuddin Kaji S/o Dist Ratlam 26/07/2021 4 Gitti Shri Jakiuddin Kaji S/o Dist Ratlam 26/07/2021 5 Gitti Shri Karan Anjana Vill Jethana, Stone Ratlam Dist Ratlam Dist Ratlam Dist Ratlam 16/07/2021 5 Gitti Shri Vishvnath Bhabhar Runddi Nish Ratlam Dist Ratlam Dist Ratlam Dist Ratlam Dist Ratlam 15014/অপিঅ/2020-2 Nish Ratlam Nish Virek Gurjar Runddi Dist Ratlam Dist Ratlam 159/12/2020-2 Stone Ratlam Dist Ratlam Dist Ratlam Dist Ratlam 119/12/2020-2 Nish Stone Ratlam Dist Ratlam Dist Ratlam 119/12/2020-2 Nish Stone Ratlam Dist Ratlam Dist Ratlam 119/12/2020-2 Nish Ratlam Dist Ratlam Dist Ratlam 129/12/2020-2 Nish Ratlam Dist Ratlam Dist Ratlam 129/12/2020-2 Nish Ratlam Dist Ratlam 129/12/2020-2 Nish Ratlam Dist Ratlam 129/12/2020-2 Nish Ratlam Dist Ratlam Nish Ratlam Nish Ratlam Dist Ratlam 129/12/2020-2 Nish Ratlam Nish Ratlam Dist Ratlam Nish Ratlam 129/12/2020-2 Nish Ratlam Nish	3	1	T CT CT 11	Ì	TOTO				A-man of Minima
Gitti Shri Jayant Ratham Cititi Shri Jayant Ratham Chaina Kumari Vill. Sanwaliya 15954/2020-22 1671 13.00 6.00mth N.23	Z v		Name of LUI nolder	Address	and Date	Survey No.	Lease	of LOI	(Latitude/Longitude)
Stone Willage Sarvani Sione Shri Rathul Jaishwal Village Malya Maya / अलीन्य / 2021 167 3.00 6 Month Sione Shri Jakitadin Kaji Sio Dist Ratham Will Jathana Will Jathana Dist Ratham Markatham Dist Ratham Sione Ratham Will Janwaliya Markatham Markatham Markatham Markatham Markatham Markatham Markatham Dist Ratham Markatham Dist Ratham Dist Ratham Markatham Dist Ratham Dist Ratham Markatham Markatham Markatham Markatham Dist Ratham Markatham Markatham Dist Ratham Markatham Markatha	-	+	ယ	4	5	6	7	8	9
Shiri Rabul Jaishwal Village-Sarvani 13797/2021 167 3.00 6 Month Shiri Rabul Jaishwal Village-Sarvani 13797/2021 167 3.00 6 Month Shiri Jakinddin Kaji So Village-Malya 4439/4794/2021-22 172 2.00 6 Month Shiri Jakinddin Kaji So Dist. Radiam 26/07/2021 4291 2.00 6 Month Shiri Kartan Anjana Dist. Radiam 26/07/2021 4291 2.00 6 Month Shiri Kartan Anjana Dist. Radiam 26/07/2021 4291 2.00 6 Month Shiri Kartan Anjana Dist. Radiam 26/07/2021 4291 2.00 6 Month 26/07/2021	-	Gitti	Shrimat Pooja Jaishwal	Village- Sarvani	4727 / खनिज / 2021—22	167	3.00	6 Month	N 23°31′74.4″ E 74°96′06.4 N 23°31′92.7″ F 74°96′0.77
Stone Shri Rahul Jaishwal Village-Sarvani 4725/행하여 /2021-22 167 3.00 6 Month Stone S/o Shri Narendra, Ratlam Khurd Dist Rahlam 13 / 09 / 2021 172 2.00 6 Month Stone A Ot, Dist Rahlam Dist. Rahlam A Ot, Dist Rahlam Dist. Rahlam A Ot, Dist Rahlam Dist. Rahlam Stone Vill. Jethana Dist. Rahlam Dist. Rahlam 16 / 07 / 2021 421 2.00 6 Month Stone Vill. Jethana Dist. Rahlam Dist. Rahlam 16 / 07 / 2021 421 2.00 6 Month Stone Shri Jayant Rahlore Vill. Sanwaliya 15014/আলিখ / 2020-2 3/1/1/1 2.00 6 Month Stone Rahlam Dist. Rahlam 15014/আলিখ / 2020-2 3/1/1/1 2.00 6 Month Stone Shri Jayant Rahlore Vill. Sanwaliya 15942/আলিখ / 2020-2 3/1/1/1 2.00 6 Month Stone Shri Vivek Gurjur Vill. Sanwaliya 15942/আলিখ / 2020-2 3/1/1/1 2.00 6 Month Stone Shri Vivek Gurjur Vill. Sanwaliya 15942/আলিখ / 2020-2 3/1/1/1 2.00 6 Month Stone Shri Wivek Gurjur Vill. Sanwaliya 15942/আলিখ / 2020-2 3/1/1/1 2.00 6 Month Stone Pavecha, Rahlam Dist. Rahlam 15942/আলিখ / 2020-2 136/1/1/1 1.00 6 Month Stone Pavecha, Rahlam Dist. Rahlam 129/12/2020 136/1/1/1 1.00 6 Month 129/12/2020 136/1/1/1/1 1.00 6 Month 129/		Stone	W/o Shri Kahul, Katiam	Khurd Dist Katiam	13/09/2021				N 23°31′93.1″ E 74°96′22
Stone Sto Shri Narendra, Ratlam Khurd Dist Ratlam (Aug) - sarvani (19/09/2021) Gitti Shri Jakinddin Kaji Sto Village-Malya (19/09/2021) Stone Gulam Jilani (Aut, Dist, Ratlam (Aug) (19/07/2021) Gitti Shri Karan Anjana Vill. Sanwaliya (19/07/2021) Stone Vill. Jethan Dist, Ratlam (Aug) (19/07/2021) Gitti Shri Jayant Rathore (Aug) (19/07/2021) Stone Ratlam (Aug) (19/07/2021) Gitti Shri Jayant Rathore (Aug) (19/07/2021) Stone (Aug) (19/07/2021) Gitti Shri Jayant Rathore (Aug) (19/07/2021) Stone (Aug) (19/07/2021) Stone (Aug) (19/07/2021) Gitti Shri Jayant Rathore (Aug) (19/07/2020) Stone (19/07/2020)	د	C.E.	Ch. Dahal Lishaal	Village Commi	भूतिन (२००१ - २२	167	3 00	6 Month	N 23°31′83.9″ E 74°96′24
Shri Jakituddin Kaji S/o Village-Malya 26/07/2021 172 2.00 6 Month Shri Karan Anjana Vill. Jethana, Sone Vill. Jethana Dist. Ratlam Vill. Jethana Dist. Ratlam Sone Shri Karan Anjana Vill. Jethana Dist. Ratlam 15/07/2021 42/1 2.00 6 Month Shri Vishvnath Bhabhar Vill. Sanwaliya 15014/sffwf/2020-2 3/1/1/1 2.00 6 Month Stone Shri Jayant Ratlam Dist. Ratlam 15/12/2020 3/1/1/1 2.00 6 Month 15/12/2020 Stone Shri Vivek Gurjar Vill. Sanwaliya 15942/sffwf/2020-2 3/1/1/1 2.00 6 Month 19/12/2020 Stone Shri Vivek Gurjar Vill. Sanwaliya 15942/sffwf/2020-2 3/1/1/1 2.00 6 Month 19/12/2020 Stone Shri Natlam Vill. Sanwaliya 15954/sffwf/2020-2 3/1/1/1 2.00 6 Month 19/12/2020 Stone Shri Ratlam Vill. Banjali 15954/sffwf/2020-2 3/1/1/1 2.00 6 Month 19/12/2020 Stone Pavecha, Ratlam Vill. Banjali 15954/sffwf/2020-2 136/1/1/1 1.00 6 Month 128/12/2020 Shri Ratlam Dist. Ratlam 128/12/2020 136/1/1/1 1.00 6 Month 128		Stone	S/o Shri Narendra Ratlam	Khurd Dist Ratlam	4/25/ SITVI/ 2021—22 13 / 09 / 2021	107	3.00	THIOTALO	N 23°31′73.4″ E 74°96′0.8
Stone Shri Jakiuddin Kaji Slo Village- Malya Stone Stone		Cross	CO C CARRE A CAR CARRER CO A CONTRACTOR	A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					N 23°31′79.4″ E 74°96′40
Stone Stone Hakinddin Kaji S/o Village-Malya Stone Stone Hakinddin Kaji S/o Village-Malya Stone Hakinddin Kaji S/o Village-Malya 226/07/2021 172 2.00 6 Month Gulam Jilami Dist Ratlam Stone Stone Vill. Jethana Dist. Ratlam Dist. Ratlam Runddi Stone Ratlam Runddi Stone Ratlam Ratlam Dist. Ratlam Stone Ratlam Dist. Ratlam Stone Ratlam Dist. Ratlam Stone Ratlam Dist. Ratlam Stone Ratlam Dist. Ratlam 1 159/12/2020 3/11/11 2.00 6 Month Stone Ratlam Dist. Ratlam 1 19/12/2020 3/11/11 2.00 6 Month Dist. Ratlam Dist. Ratlam 1 19/12/2020 3/11/11 2.00 6 Month Stone Stone Ratlam Dist. Ratlam 1 19/12/2020 13/11/11 1.00 6 Month Dist. Ratlam 1 129/12/2020 13/11/11 1.00 6 Month Stone Ratlam Dist. Ratlam 1 129/12/2020 13/11/11 1.00 6 Month Stone Ratlam Dist. Ratlam 1 129/12/2020 13/11/11 1.00 6 Month Stone Ratlam Dist. Ratlam 1 129/12/2020 13/11/11 1.00 6 Month Stone Ratlam Dist. Ratlam 1 129/12/2020 13/11/11 1.00 6 Month Stone Ratlam Dist. Ratlam 1 129/12/2020 13/11/11 1.00 6 Month Stone Ratlam Dist. Ratlam 1 129/12/2020 13/11/11 1.00 6 Month Stone Ratlam Dist. Ratlam 1 129/12/2020 13/11/11 1.00 6 Month Stone Ratlam Dist. Ratlam 1 129/12/2020 13/11/11 1.00 6 Month Stone Ratlam Dist. Ratlam 1 129/12/2020 13/11/11 1.00 6 Month Stone Ratlam Dist. Ratlam 1 129/12/2020 13/11/11 1.00 6 Month Stone Ratlam Dist. Ratlam 1 129/12/2020 13/11/11 1.00 6 Month Stone Ratlam Dist. Ratlam Dist. Ratlam 1 129/12/2020 13/11/11 1.00 6 Month Stone Ratlam Dist. R									N 23°31′85.4″ E 74°96′11
Stone Gulam Jilani Dist. Ratlam 26/07/2021 42/1 2.00 6 Month Stone Vill. Jethana, Dist. Ratlam Dist. Ratlam Stone Vill. Jethana Dist. Ratlam Citti Shri Vishvnath Bhabhar Ratlam Dist. Ratlam Dist. Ratlam Dist. Ratlam Citti Shri Jayant Rathore Ratlam Dist. Ratlam Stone Ratlam Pavecha, Ratlam Dist. Page Dist.	ω	Gitti	Shri Jakiuddin Kaji S/o	Village- Malya	4439 / खनिज / 2021—22	172	2.00	6 Month	N 23°44′23.29″ E 75°31′55
Gitti Stone Shri Karan Anjana Vill. Jethana Dist. Ratlam Vill. Jethana Dist. Ratlam 9832/অণিখ/2020–21 42/1 2.00 6 Month Gitti Stone Shri Vishvnath Bhabhar Ratlam Vill. Sanwaliya Dist. Ratlam 15014/অণিখ/2020–2 3/1/1/1 2.00 6 Month Gitti Stone Shri Jayant Rathore Ratlam Vill. Sanwaliya Dist. Ratlam 15942/অণিঅ/2020–2 3/1/1/1 2.00 6 Month Gitti Stone Shri Vivek Gurjar Ratlam Vill. Sanwaliya Dist. Ratlam 15942/অণিঅ/2020–2 3/1/1/1 2.00 6 Month Gitti Stone Shri Wivek Gurjar Ratlam Vill. Sanwaliya Dist. Ratlam 15954/অণিঅ/2020–2 3/1/1/1 2.00 6 Month Gitti Stone Shri Ratlam Dist. Ratlam 15954/অণিঅ/2020–2 3/1/1/1 2.00 6 Month Gitti Stone Shri Ratlam Dist. Ratlam 15954/অণিঅ/2020–2 136/1/1/1 1.00 6 Month Gitti Stone Shri Ratlam Dist. Ratlam 15954/অণিঅ/2020–2 136/1/1/1 1.00 6 Month		Stone	Gulam Jilani	Dist. Katlam	26/07/2021				N 23°44′17.82″ E 75°31′59
Gitti Shri Karan Anjana Vill. Jethana, Stone Vill. Jethana Dist. Ratlam Runddi Stone Ratlam Dist. Ratlam Dis						34			N 23°44′18.17" E 75°31′54
Stone Vill. Jethana Dist. Ratlam Dist. Ratlam Dist. Ratlam Dist. Ratlam Dist. Ratlam Dist. Ratlam Stone Ratlam Rathore Stone Ratlam Rathore Stone Stone Shri Vishvnath Bhabhar Ratlam Dist. Ratlam Pavecha, Ratlam Dist. Ratlam 1 1 29 / 12 / 2020 136/1/1/1 1.00 6 Month Stone Ratlam Dist. Ratlam 1 1 29 / 12 / 2020 136/1/1/1 1.00 6 Month Stone Ratlam Dist. Ratlam 1 1 29 / 12 / 2020 136/1/1/1 1.00 6 Month Stone Ratlam Dist. Ratlam Dist. Ratlam 1 1 29 / 12 / 2020 136/1/1/1 1.00 6 Month Stone Ratlam Dist. Page Dist. Page Dist. Page Dist. Page Dist. Page	4	Gitti	Shri Karan Anjana	Vill. Jethana,	9832 / खनिज / 2020—21	42/1	2.00	6 Month	N 23°41′04.91″ E 75°00′21.
Gitti Shri Vishvnath Bhabhar Vill. Sanwaliya 15014/অনিত/2020-2 3/1/1/1 2.00 6 Month Runddi Shone Shri Jayant Rathore Vill. Sanwaliya Runddi Shone Shri Vivek Gurjar Runddi Stone Stone Stone Runddi Runddi Runddi Shri Vivek Gurjar Vill. Sanwaliya 15969/অনিত/2020-2 3/1/1/1 2.00 6 Month Runddi 19/12/2020 Gitti Shri Vivek Gurjar Vill. Sanwaliya 15969/অনিত/2020-2 3/1/1/1 2.00 6 Month Pavecha, Ratlam Dist. Ratlam 19/12/2020 Gitti Shrimati Chaina Kumari Vill. Banjali 15964/অনিত/2020-2 13/1/1/1 1.00 6 Month 129/12/2020 Gitti Shri Ratan lal Kumawat Vill. Banjali 129/12/2020 Gitti Shri Ratan lal Kumawat Vill. Banjali 129/12/2020		Stone	Vill. Jethana Dist. Ratlam	Dist. Ratlam	16/07/2021				N 23°41′04.72″ E 75°00′22.
Stone Shri Vishvnath Bhabhar Vill. Sanwaliya 15014/জনিज/2020—2 3/1/1/1 2.00 6 Month Ratlam Dist.Ratlam Shri Jayant Rathore Stone Stone Stone Stone Stone Stone Stone Stone Ratlam Dist.Ratlam Dist.Ratlam Stone Ratlam Dist.Ratlam 15954/জনিज/2020—2 136/1/1/1 1.00 6 Month 129/12/2020 Stone Pavecha, Ratlam Dist.Ratlam 15954/জনিज/2020—2 136/1/1/1 1.00 6 Month 129/12/2020									N 23°41′56.42″ E 75°00′20.
Stone Shri Vishvnath Bhabhar Ratlam Vill. Sanwaliya Shone Shore Ratlam Dist.Ratlam 15954/অপিস্০০০০-2 136/1/1/1 2.00 6 Month Pavecha, Ratlam Dist.Ratlam 15954/অপিস্০০০০-2 136/1/1/1 1.00 6 Month Dist.Ratlam Dist.Ratlam 15954/অপিস্০০০০-2 136/1/1/1 1.00 6 Month Dist.Ratlam Dist.Ratlam 15954/অপিস্০০০০-2 136/1/1/1 1.00 6 Month Dist.Ratlam Dist.R				·	×				N 23°41′56.61″ E 75°00′18.
Stone Ratlam Punddi Dist.Ratlam Dist.Ratlam Dist.Ratlam Dist.Ratlam Dist.Ratlam Dist.Ratlam Stone Ratlam Runddi Stone Ratlam Runddi Stone Stone Ratlam Pull. Sanwaliya 15942/खनिज/2020-2 3/1/1/1 2.00 6 Month 1 29/12/2020 Dist.Ratlam Dist.Ratlam Dist.Ratlam Dist.Ratlam Dist.Ratlam Dist.Ratlam 15954/खनिज/2020-2 13/1/1/1 2.00 6 Month 19/12/2020 Stone Pavecha, Ratlam Dist.Ratlam 1 29/12/2020 13/1/1/1 1.00 6 Month 1 29/12/2020 Dist.Ratlam 1 29/12/2020 13/1/1/1 1.00 6 Month Dist.Ratlam Dist.Ratlam 1 29/12/2020 13/1/1/1 1.00 6 Month Dist.Ratlam Dis	5	Gitti	Shri Vishvnath Bhabhar	Vill. Sanwaliya	15014 / खनिज / 2020—2	3/1/1/1	2.00	6 Month	N 23°17′33.37″ E 74°57′29.
Gitti Shri Jayant Rathore Runddi 15942/평주ज/2020-2 3/1/1/1 2.00 6 Month Stone Stone Stone Ratlam Dist.Ratlam Stone Stone Ratlam Pavecha, Ratlam Dist.Ratlam Stone Stone Pavecha, Ratlam Dist.Ratlam Dist.Ratlam Dist.Ratlam Dist.Ratlam Dist.Ratlam 1 29/12/2020 13/1/1/1 1.00 6 Month Stone Pavecha, Ratlam Dist.Ratlam 1 29/12/2020 13/1/1/1 1.00 6 Month Stone Ratlam Dist.Ratlam 1 29/12/2020 13/1/1/1 1.00 6 Month Dist.Ratlam 1 29/12/2020 13/1/1/1 1.00 6 Month Dist.Ratlam 1 29/12/2020 13/1/1/1 1.00 6 Month Dist.Ratlam Dist.Ratlam Dist.Ratlam Dist.Ratlam Dist.Ratlam Dist.Ratlam Dist.Ratlam Dist.Ratlam Dist.Ratlam		Stone	Ratlam	Runddi	1 15/12/2020				N 23°17′34.87″ E 74°57′22.
Gitti Shri Jayant Rathore Runddi Stone Ratlam Vill. Sanwaliya 15942/평국ማ/2020~2 3/1/1/1 2.00 6 Month 1 29/12/2020 Gitti Shri Vivek Gurjar Runddi Stone Ratlam Dist.Ratlam Stone Pavecha, Ratlam Dist.Ratlam Stone Ratlam Dist.Ratlam Dist.Ratlam Dist.Ratlam Dist.Ratlam Dist.Ratlam 1 29/12/2020 Gitti Shri Ratan lal Kumawat Ratlam Dist.Ratlam Dist.Ratlam 1 29/12/2020 Gitti Shri Ratan lal Kumawat Dist.Ratlam Dist.Ratl				Dist.Ratlam					N 23 1/ 30.12 E /4 3/ 22.
Stone Ratlam Runddi Dist.Ratlam Dist.Ratlam Dist.Ratlam Dist.Ratlam Dist.Ratlam Stone Stri Vivek Gurjar Stone Stri Vivek Gurjar Stone Stone Ratlam Dist.Ratlam Dist.Ratlam Dist.Ratlam Dist.Ratlam Dist.Ratlam Dist.Ratlam Dist.Ratlam Dist.Ratlam 15954/명주에/2020-2 136/1/1/1 1.00 6 Month 129/12/2020 136/12/2020 136/12/2020 136/12/2020 136/12/2020 136/12/2020 136/12/2020 136/12/2020 136/12/2020 136/12/2020 136/12/2020 136/12/2020 136/12/2020 136/12/2020 136/12/2020 136/12/2020 136/12/2020 136/12/2020 136/12	6	Gitti	Shri Jayant Rathore	Vill. Sanwaliya	15942 / खनिज / 20202	3/1/1/1	2.00	6 Month	N 23°17′29.45″ E 74°57′23.
Gitti Shri Vivek Gurjar Vill. Sanwaliya Stone Ratlam Vill. Sanwaliya Stone Shri Wivek Gurjar Runddi Stone Ratlam Dist.Ratlam Stone Pavecha, Ratlam Dist.Ratlam Dist.Ratlam Stone Ratlam Stone Ratlam Stone Ratlam Dist.Ratlam		Stone	Katlam	Runddi	1 29/12/2020				N 23'17'29.68" E 74'57'26.
Gitti Shri Vivek Gurjar Vill. Sanwaliya 15958 / জবিল / 2020–2 3/1/1/1 2.00 6 Month Stone Ratlam Dist.Ratlam Gitti Shrimati Chaina Kumari Vill. Banjali Stone Pavecha, Ratlam Dist.Ratlam 1 29/12/2020 Gitti Shri Ratan lal Kumawat Vill. Banjali Stone Ratlam Dist.Ratlam Dist.Ratlam 1 29/12/2020 Gitti Shri Ratan lal Kumawat Dist.Ratlam Dist.Ratlam Dist.Ratlam				Dist.Ratlam					N 23°17′23.21″ E 74°57′27.
Gitti Shri Vivek Gurjar Vill. Sanwaliya Stone Ratlam Runddi Nist.Ratlam Dist.Ratlam Dist.Ratlam 1 19/12/2020 1 136/1/1/1 1.00 6 Month Stone Pavecha, Ratlam Dist.Ratlam 1 29/12/2020 1 136/1/1/1 1.00 6 Month Stone Ratlam Dist.Ratlam 1 29/12/2020 1 136/1/1/1 1.00 6 Month Stone Ratlam Dist.Ratlam 1 29/12/2020									N 23°17′22.89″ E 74°57′23.
Stone Ratlam Punddi 1 19/12/2020 Gitti Shrimati Chaina Kumari Vill. Banjali 15954/평주대/2020—2 136/1/1/1 1.00 6 Month Stone Pavecha, Ratlam Dist.Ratlam 1 29/12/2020 Gitti Shri Ratan lal Kumawat Vill. Banjali Stone Ratlam Dist.Ratlam Dist.Ratlam	7	Gitti	Shri Vivek Gurjar	Vill. Sanwaliya	15958 / खनिज / 2020—2	3/1/1/1	2.00	6 Month	N 23°17′28.11" E 74°57′19.
Gitti Shrimati Chaina Kumari Vill. Banjali 15954/खनिज/2020-2 136/1/1/1 1.00 6 Month Stone Pavecha, Ratlam Dist.Ratlam 129/12/2020 Gitti Shri Ratan lal Kumawat Vill. Banjali Stone Ratlam Dist.Ratlam Dist.Ratlam		Stone	Ratlam	Runddi	1 19/12/2020				N 23°17′28.91″ E 74°57′22.
Gitti Shrimati Chaina Kumari Vill. Banjali 15954 / দ্বালিল / 2020—2 136/1/1/1 1.00 6 Month Stone Pavecha, Ratlam Dist.Ratlam 1 29 / 12 / 2020 Gitti Shri Ratan lal Kumawat Stone Ratlam Dist.Ratlam Dist.Ratlam				Dist. Katlam					N 23 17 21.20 E 74 37 20.
Stone Pavecha, Ratlam Dist.Ratlam 1 29/12/2020 Gitti Shri Ratan lal Kumawat Vill. Banjali Stone Ratlam Dist.Ratlam Dist.Ratlam	∞	Gitti	Shrimati Chaina Kumari	Vill. Banjali	15954 / खनिज / 2020-2	136/1/1/1	1.00	6 Month	N 23°22′18.04″ E 75°00′47
Gitti Shri Ratan lal Kumawat Vill. Banjali 136/1/1/1 1.00 6 Month Stone Ratlam Dist.Ratlam		Stone	Pavecha, Ratlam	Dist.Ratlam	1 29/12/2020				N 23°22′19.9″ E 75°00′46.
Gitti Shri Ratan lal Kumawat Vill. Banjali 136/1/1/1 1.00 6 Month Stone Ratlam Dist.Ratlam						:8:			N 23°22′19.3″ E 75°00′41.
Gitti Shri Ratan lal Kumawat Vill. Banjali 136/1/1/1 1.00 6 Month Stone Ratlam Dist.Ratlam									N 23°22′15.7" E 75°00′42.
Ratlam Dist.Ratlam	9	Gitti	Shri Ratan lal Kumawat	Vill. Banjali		136/1/1/1	1.00	6 Month	N 23°22′18.00″ E 75°00′47.
		Stone	Ratlam	Dist.Ratlam					N 23°22′19.00″ E 75°00′46.
		,							N 23°22′18.3″ E 75°00′41.
									N 23°22′18.7″ E 75°00′42.4

<u>u</u>

	19			120				17						16				15			ť	<u></u>					12	5				<u>.</u>	1					0
Stone	Gitti		Stone	Gitti		SIOIC	Cita	2					Stone	Gitti			Stone	Gitti		DIOIG	Stone	Gi#.				Stone	Citt					Stone	Citi	Citi		0.010		Gi#:
Jaora Dist.Ratlam	Shri Khemraj Gurjar		Shaktawat, Ratlam	Shri Dioviiav Sinoh		Katlam	Surumau pramila Kathore	Chairmati II D					Ratlam	Shri Komal Raj Purohit			Ratlam	Shri Mahendra Patva	Distratiant	Diet Ratiam	Their villa singa	Chri Denthuimi Cinal			Alot Dist.Katlam	Ashlam khan	Shri Washim Khan S/o					Katlam	Snri Hitsh Surana	CL : 171-1 C		Manior, Nation	Rathore Ration	Ohai Diamiian Cinch
Dist.Katlam	Vill. Akyaparyar		Dist Ratlam	Vill Dinel Chunta		Dist.Ratlam	Vill. Lunera	17111 1					Dist.Ratlam	Vill. Janthun			Dist.Ratlam	Vill Ribdond		Katlam	VIII. Namii, Dist.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				Dist.Ratlam	Vill Jeevangarh					Dist.Ratlam	VIII. Dhabaipada			DISC. Kallam	VIII. Lunera	I WILLY I
28/08/2020	8527 / खनिज / २०२०—२१	11/00/2011	17 / 08 / 2017—18	500 / Table / 002 10	i.	15/02/2018	1255/खनिज/2017—18						30/07/2016	538/खनिज/2016-17		20/00/2011	25/05/2017	100 / 100 / 100 / 100 / 10		16/02/2021	3145 / खानज / 2020—21					16/12/2021	5307 / खनिज / 2021—22					16/12/2021	5307 / खानेज / 2021-22			26/07/2021	4441 / खानज / 2021—22	
JT211, JT21/2	3/2/1 3/2/2		181/1				145/1							292			65, 67				137						385/2/2						10/1/1/K				117/1	
2.00			2.00				1.00						ŀ	200			2.00				1.00						2.00						4.00				2.00	
6 Month			6 Month				6 Month						O INTOINT	6 Month			6 Month				6 Month						6 Month						6 Month				6 Month	fiften france
N 23'40'14.518" E 75'14'34.88" N 23'40'15.131" E 75'14'30.057" N 23'40'19.735 E 75'14'30.59"	N 23 08 14.16" E 75 04 08.17"	N 23°08′16.31″ E 75°04′13.60″ N 23°08′14.03″ E 75°04′13.57″	N 23'08'08.10" E 75'04'08.10"	N 23°18′12.8″ E 75°13′16.5″	N 23°18′12.0″ E 75′13′19.7″	N 23°18′15.3″ E 75°13′19.70″	N 23°18′15′6″ F 75°13′16′8″	N 23°22'55.17" F 74°59'34 69"	N 23°22′55.17″ E 74°59′37.37″	N 23°22′55.17″ F 74°59′38 21″	N 23°22′50.27″ E 74°59′38.08″	N 23°22′50.39″ E 74°59′38 68″	N 23°22′55 37″ F 74°50′38 70″	N 23 10 19.91 E /3 3/ 17.73	N 23 16 20.00 E /5 57 25.25	N 23°20′22.62″ E 75°57′25.29″	N 23"20"22.62" E 75"57"17.62"	N 23°28′47.91″ E 75′03′51.91″	N 23°28′47.80″ E 75°03′53.22″	N 23°28′53.29″ E 75°03′53.97″	N 23°28′53.75″ E 75°03′51.01″	N 23°16′14.34″ E 75"57′6.53″	N 23°16′15.29″ E 75°57′13 91″	N 23°16′21.40″ E 75°57′13 91″	N 23°16′20.89″ E 75°57′13.11″	N 23°16′21.22″ F 75°57′8 44″	N 23°16'20 92" E 75°57'6 71"	N 23"16"14 34" F 75"57"6 53"	N 23°16′15′29″ E 75°57′13 01″	N 23°16'21 40" E 75°57'13 91"	N 23°16′20.89″ F 75°57′13 11″	N 23°16′21.22″ E 75°57′8.44″	N 23°16′20.92″ E 75°57′6.71″	N 23°19′00.02″ E 75°13′29.89″	N 23°18′59.91″ E 75°13′33.12″	N 23°19′06.96″ E 75°13′33.30″	N 23*19109.08" E 75:13:30.04"	ASSBOOM

Paryavaran Patisar E-5, Arera Colony, Bhopal (M.P.)

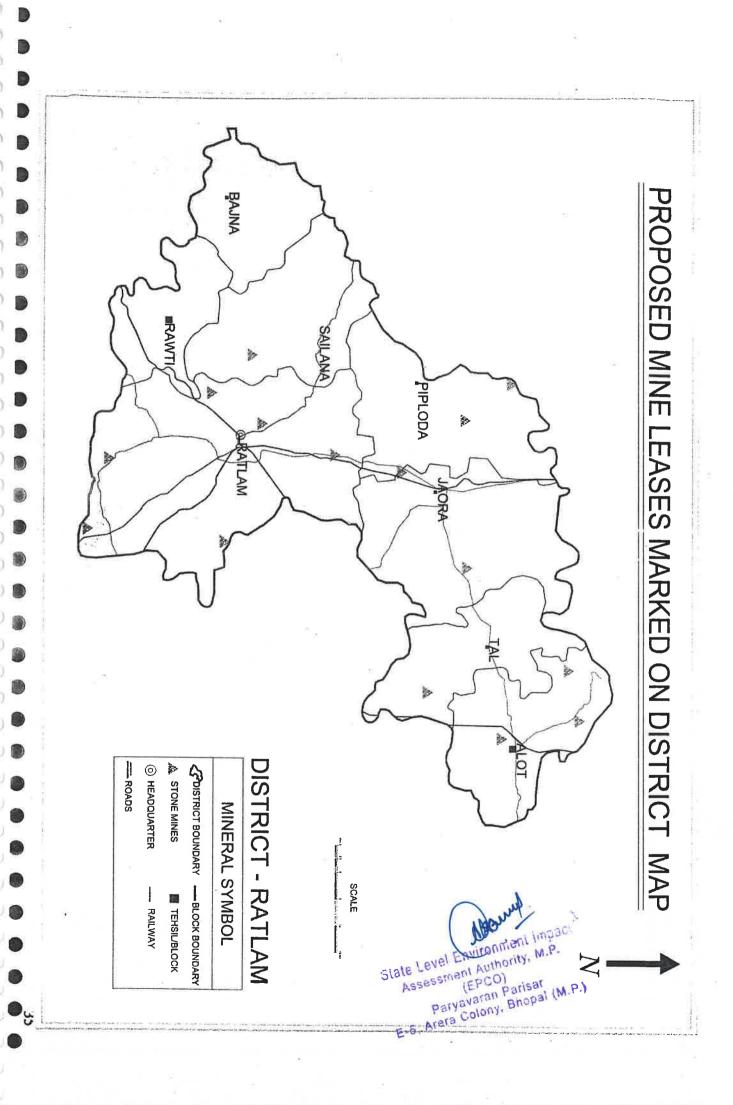
r	_					_											_				_						_	_			1					
		·	29		87	3		,	37			04	3			25				24					23				22			1	31			20
	74	Stone	Gitti	OWING	Gitti		20021	Stone	2		0.01.0	Stone	C.		Stone	Giti			Stone	Gitti				Stone	Gi#i			Stone	Gitti		STOTE	CIUI	2		STOTE	Gitti
		Ratlam	Kunwari Payal Binnen	mict. Natiati	Shri Gouvardhan Gopal		System of transmit	Sisodiva Ratlam	Chimal Value V		rach Past Nation	Alot Dist Ration	Ch. in the state of the state o		Taal Dist.Ratlam	Shri Kanhaiyya Lal			alot Dist.Ratlam	Shri Balaji Stone Crusher				Kotra Sultanabad Bhopal	Shri Manish Raghay			Rathore	Shri Mahendra Sinoh		alot Dist Ratlam	Post Abid Phon	M/s P V Sotte Com		Kanam	Shri Vijay Jadhav
	Dist.Ratlam	Runddi	Vill. Sanwaliya	Dist.Ratlam	Vill. Sanwaliya		Dist.Ratlam	Choursei	ייין דיין		Dist. Natiani	Diet Patlam	1 1		Dist. Ratlam	Vill.Bhesana,			Dist.Ratlam	Vill Jeevangarh				Dist.Ratlam	Vill Suilana		C IOCIA CONTAIN	Diet Ratlam	Vill Pinal Khunta		Dist. Nation	Diat Datlam	Vill Varidina		DISL.Kallain	Vill. Janthun
		22/04/2022	729 / खनिज / 2022—23	06/04/2022	597 / खनिज / 2022—23		03/01/2022	03 /01 /2021—22	1 1		20/12/2011	972 / खानज / 2017—18			01/11/2016	17250 / खनिज / 2016			29/10/2014	631 / खनिज / 2014				19/07/2017	421 /खनिज / 2017		10/01/10/0	26 / 02 / 2018	1390 / खनिज / 2017—18		23/01/2010	20 /07 /2010—19	1600 / जानिस्न / 2010 - 10		30/0//2016	541 / खनिज / 2016—17
			3/1/1/1		3/2			2/1				04				144				385/1/1				ì	77		ia.		181/1				101			292
			2.00		2.00			3.900				2.00				2.00				2.00					200			11	200			2.00	3	ű c		2.00
	(6 Month		6 Month			6 Month				6 Month				6 Month				6 Month				O INTOINT	6 Month			O INTOINT	6 Month			O INTOITUI	C Month			6 Month
N 23 1/ 08.68 E /3 3/ 36.5/	N 23°17′15.47″ E 75°57′01.83″	N 23°17′15.96″ E 75°57′03.33″	N 23°17′25.27″ E 75°57′04.21″	N 23 17 33.83 E. 74 37 18.22 N 23 17 35.10" E. 74 57 22.92" N 23 17 30 35" E. 74 57 23.00"	N 23*17'30.39" E 74*57'18,31"	N 23"34'53.80" E 75"05'38.85"	N 23°34′53.46″ E 75°05′43.77″	N 23-34-59.62" E 75-05-29.09" N 23-34-00 06" E 75-05-23-19"		N 23°37′36.57″ E 75°27′14.11″	N 23 37 36.39" E. 75 27 18.41"	N 23°37′38.55″ E 75°27′11.16″	N 23°44′15.95″ E: 75°21′15.40″	N 23°44′15.82″ E 75°21′21.54″		N 23 44 19.36" E 75 21 15.29"		N 23°44′55.14″ E 75°32′00.22″		N 23°44′58.58″ E 75°31′50.68″		N 23°05′38.45″ E 75°11′02.37″	Ţ	N 23°05′42.39″ E 75°11′05.75″	N 33.08.73 80" E 78.11.04 08"	N 23.08.02.24 E 75.04.18.82"	N 23°08'02'07' E 75'04'26'72'		N 23°08'05 09" E 75°04'18 82"	N 23°50′21.72″ E 75°25′19.02″	N 23°50'31 84" F 75°35'33 46"	1 23:60:00 10: 2 75:26:20 11:	N 23 22 47.39 E, 74 39 38.43	N 23°22'47.74" E 74°59'43.36"	N 23:22:50.30" E 74:59:43.17"	N 23°22′50.13" E 74°59′38.33"

State Level Environment Assessment Atthority

Paryavanan

State Level Environment Impaci Assessment Authority, M.P. (EPCO) Paryavaran Parisar E-5, Arera Colony, Bhopal (M.P.)

				Tall .	
34	3	32	31	30	
Stone	Stone	Gitti Stone	Gitti Stone	Gitti Stone	
Shri Aashish Gupta	Shri Laxmikant Rathod Ratlam	Shrimati Binu Kunwar Solanki Alot, Dist. Ratlam	Shri Ajay Panwar Alot, Dist. Ratlam	Shri Brijmohan Agnihotri Ratlam	
Village Thikariya teh.Piploda, Dist. Ratlam	Vill. Sanwaliya Runddi Dist.Ratlam	Vill Jeevangarh Dist.Ratlam	Vill.Meenakheda, Dist. Ratlam	Vill. Rampuriya Dist.Ratlam	
194 / खनिज / 2028—19 30 / 06 / 2019	1310 / खनिज / 2022–23 25 / 05 / 2022	127 / खनिज / 2021—22 03 / 02 / 2022	1499 / खनिज / 2017—18 15 / 05 / 2018	219 / खनिज / 2021–22 21 / 02 / 2022	
11	3/1/1/1	385/2/2	146	375/3	
1.00	2.00	2.00	2.00	4.00	
6 Month	6 Month	6 Month	6 Month	6 Month	
N 23'45'41.73" E 74'56'13.19" N 23'45'43.32" E 74'56'17.30" N 23'45'43.25" E 74'56'19.73" N 23'45'41.66" E 74'56'19.73" N 23'45'41.89" E 74'56'17.00" N 23'45'40.66" E 74'56'15.43"	(1) N 23°17' 29.90" E 74°57' 31.20" (2) N 23°17' 29.60" E 74°57' 35.20" (3) N 23°17' 23.10" E 74°57' 36.40" (4) N 23°17' 24.00" E 74°57' 32.40"	N 23'44'40.30" E 75'32'03.10" N 23'44'38.50" E 75'32'06.50" N 23'44'32.40" E 75'32'03.60" N 23'44'34.00" E 75'32'00.60"	N 23*51*28.35" E: 75*30*04.30" N 23*51*28.35" E: 75*30*11.06" N 23*51*25.00" E: 75*30*11.06" N 23*51*25.00" E: 75*30*04.30"	N 23°21°27.64" E 75°58′06.95" N 23°21°29.66" E 75°58′09.38" N 23°21°33.43" E 75°58′08.23" N 23°21°34.96" E 75°58′10.18"	N 23°17′09.43″ E 75°57′54.53″ N 23°17′14.46″ E 75°57′56.12″ N 23°17′17.16″ E 75°57′17.16″ N 23°17′24.96″ E 75°57′00.39″



CHPATER-4

RECOMMENDATION OF ENFORCEMENT & MONITORING GUIDELINES FOR SAND MINING BY MOEF&CC- 2020

4.1 Introduction

India is developing at a faster pace and much technological advancement has already been taken place in the surveillance and remote monitoring in the field of mining. Thus, it is prudent to utilize the technological advancement for the effective monitoring of the mining activity particularly sand mining in the country.

Following a series of orders by the National Green Tribunal in 2018, the Ministry of Environment, Forests and Climate Change has for the first time released guidelines to monitor and check illegal sand mining in the country. The Enforcement and Monitoring (EM) Guidelines for Sand Mining 2020 released by the Ministry include directions to states to carry out river audits, put detailed survey reports of all mining areas online and in the public domain, conduct replenishment studies of river beds, constantly monitor mining with drones, aerial surveys, ground surveys and set up dedicated task forces at district levels. The guidelines also push for online sales and purchase of sand and other riverbed materials to make the process transparent. They propose night surveillance of mining activity through night-vision drones.

While the MoEF&CC has already put in place the Sustainable Sand Management Guidelines 2016, which focus on the management of sand mining in India, that there is an urgent need to have guidelines for effective enforcement of regulatory provisions and their monitoring.

4.2 Background

The Mines and Minerals (Development and Regulation) Act, 1957 has empowered state governments to make rules to prevent illegal mining, transportation and storage of minerals. "But in the recent past, it has been observed that there were a large number of illegal mining cases in the country and in some cases, many of the officers lost their lives while executing their duties to curb illegal mining. Illegal and uncontrolled illegal mining leads to loss of revenue to the State and degradation of the environment. The enforcement guidelines focus on the "effective monitoring of sand mining from the identification of sand mineral sources to its dispatch and enduse by consumers and the general public and looks at a uniform protocol for the whole country".

The need for replenishment study for river bed sand is also required in order to "nullify the adverse impacts arising due to excessive sand extraction". No riverbed mining will be allowed during the monsoon. In cases where rivers become district boundaries or state boundaries, the districts or states sharing the boundary shall constitute the combined task force for monitoring of mined materials, mining activity and participate in the preparation of District Survey Reports (DSR) by providing appropriate inputs.

The guidelines say the detailed survey needs to be carried out for quantification of minerals and the demand and supply of the riverbed material through market survey, including the future demand for the next five years.

The guidelines also push for the sale and purchase of sand and river bed material (RBM) online to make the process more transparent. "In order to curb illegal mining, it is very necessary that the general public is aware of the legal source of sand and RBM suppliers. It is suggested that the state government should develop an online portal for sale and purchase of sand and RBM. The state government will also decide the model of sale and the price of RBM. "It is suggested that the controlled price model is more effective in controlling illegal sand mining," the guidelines state.

This document will serve as a guideline for collection of critical information for enforcement of the regulatory provision(s) and also highlights the essential infrastructural requirements necessary for effective monitoring for Sustainable Sand Mining. The document is prepared in consucration of various orders/directions issued by Hon'ble NGT in matters pertaining to illegal sand mining and also based on the reports submitted by expert committees and

investigation teams.

Further, this document is supplemental to the existing "Sustainable Sand Mining Management Guideline-2016" (SSMG-2016), and these two guidelines viz. "Enforcement & Monitoring Guidelines for Sand Mining" (EMGSM-2020) and SSMG-2016 shall be read and implemented in sync with each other. In case, any ambiguity or variation between the provisions of both these document arises, the provision made in "Enforcement & Monitoring Guidelines for Sand Mining-2020 "shall prevail.

4.3 Objective of Guidelines

Identification and Quantification of Mineral Resource and its optimal utilization.

To regulate the Sand & Gravel Mining in the Country since its identification to its final enduse by the consumers and the general public.

Use of IT-enabled services & latest technologies for surveillance of the sand mining at

Reduction in demand & supply gaps.

Setting up the procedure for replenishment study of Sand.

Post Environmental Clearance Monitoring.

Procedure for Environmental Audit.

To control the instance of illegal mining.

4.4 Salient Features of the Guidelines

- **District Survey Report:** The guidelines provide the procedure to be followed for identifying areas where mining can be allowed or prohibited. It provides guidelines for preparing a district survey report, which includes: Preparing a report before granting a mining lease, and Defining mining and no mining zones based on certain environmental and social factors.
- Preventing Illegal Mining: The guidelines suggest that sites can be monitored remotely by using unmanned artificial vehicles or drones. Drones can also be used for quantity estimation and land use monitoring. Further, the guidelines propose night surveillance of mining activity through night-vision drones. The environmental damages incurred due to illegal mining will be assessed by a committee constituted by the District Administration.
- **Environmental Clearance:** Environmental Clearance for mining is given by regulatory authorities after considering the potential environmental impact. However, it has been observed that often the Letter of Intent (LoI) is granted for a location which is not feasible for environment-friendly mining. The guidelines provide that LoIs should be granted for those locations which have the least possibility of an impact on the environment and nearby habitation.

The guidelines also push for online sales and purchase of sand and other riverbed materials

to make the process transparent.

There are some important key points of EM guildlines for sand mining 2020:

a) Source to Destination Monitoring:

The new set of guidelines focuses on the effective monitoring of sand mining from the identification of sand mineral sources to its dispatch and end-use by consumers and the general public and look at a uniform protocol for the whole country.

Constantly monitor mining with drones and night surveillance of mining activity through night-vision drones. State Level Environment Impact

b) Audits:

Assessment Authory, M.P. Partavaran Parisar E-5, Arera Colony, Bhopal (M.P.) States to carry out river audits put detailed survey reports of all mining areas in the public domain.

c) Enforcement:

- It gives directions to states to set up dedicated task forces at district levels.
- In cases where rivers become district boundaries or state boundaries, the districts or states sharing the boundary shall constitute the combined task force for monitoring of mined materials, mining activity and participate in the preparation of District Survey Reports (DSR) by providing appropriate inputs.

d) Sustainability:

- Conduct replenishment study for river bed sand in order to nullify the adverse impacts arising due to excessive sand extraction.
- No riverbed mining will be allowed during the monsoon.

4.5 Requirement for Monitoring & Enforcement

Sustainable Sand Mining Management Guidelines (SSMMG) 2016 and past experience suggest that the sources of sand in India are through:

- River (riverbed and flood plain),
- ✓ Lakes and reservoirs,
- ✓ Agricultural fields,
- ✓ Coastal / marine sand,
- ✓ Palaeo-channels and
- ✓ Manufactured Sand (M-Sand).

4.6 Preparation of District Survey Report

"Sustainable Sand Mining Guidelines, 2016" issued by MoEF&CC requires preparation of District Survey Report (DSR), which is an important initial step before grant of mining lease/LoI. The guidelines emphasize detailed procedure to be followed for the purpose of identification of areas of aggradation/ deposition where mining can be allowed and identification of areas of erosion and proximity to infrastructural structures and installation where mining should be prohibited. Calculation of annual rate of replenishment, allowing time for replenishment after mining, identification of ways of scientific and systematic mining; identifying measures for protection of environment and ecology and determining measures for protection of bank erosion, benchmark (BM) with respect to mean Sea Level (MSL) should be made essential in mining channel reaches (MCR) below which no mining shall be allowed.

Therefore, preparation of District Survey Report is a very important step and sustainable sand mining in any part of the country will depends on the quality of District Survey Report.

Considering the importance of district survey report, the Ministry of Environment Forest and climate change, after consultation with experts dealing with mining-related matters, formulated the following guidelines for the preparation of comprehensive District Survey Report for sand mining.

a) District Survey Report for sand mining shall be prepared before the auction/eauction/grant of the mining lease/Letter of Intent (LoI) by Mining department or department dealing the mining activity in respective states.



b) The first step is to develop the inventory of the River Bed Material and Other sand sources in the District. In order to make the inventory of River Bed Material, a detailed survey of the district needs to be carried out, to identify the source of River Bed Material and alternative source of sand (M-Sand). The source will include rivers, de-siltation of reservoir/dams, Patta lands/Khatedari Land, M-sand etc.

c) District Survey Report is to be prepared in such a way that it not only identifies the mineralbearing area but also define the mining and no mining zones considering various

environmental and social factors.

- d) Identification of the source of Sand & M-Sand. The sources may be from Rivers, Lakes, Ponds, Dams, De-silting locations, Patta land/Khtedari lands. The details in case of Rivers such as [name, length of river, type (Perennial or Non-Perennial), Villages, Tehsil, District], in case of Lakes, Ponds, Dams, De-silting locations [Name, owned/maintained by (State Govt./PSU), area, Villages, Tehsil, District] in case of Patta land/Khtedari lands [Owner Name, Sy No, Area, Agricultural/Non-Agricultural, Villages, Tehsil, District], in case of MSand Plant [Owner Name, Sy No, Area, Quantity/Annum, Villages, Tehsil, District], needs to be recorded as per format given in Annexure-I.
- e) Defining the sources of Sand/M-Sand in the district is the next step for identification of the potential area of deposition/aggradation wherein mining lease could be granted. Detailed survey needs to be carried out for quantification of minerals. The purpose of mining in the river bed is for channelization of rivers so as to avoid the possibility of flooding and to maintain the flow of the rivers. For this, the entire river stretch needs to be surveyed and original ground level (OGL) to be recorded and area of aggradation/deposition needs to be ascertained by comparing the level difference between the outside riverbed OGL and water level. Once the area of aggradation/deposition is identified, then the quantity of River Bed Material available needs to be calculated. The next step is channelization of the river bed and for this central 3/4th part of the river; width needs to be identified on a map. Out of the 3/4th part area, where there is a deposition/aggradation of the material needs to be identified. The remaining 1/4th area needs to be kept as no mining zone for the protection of banks. The specific gravity of the material also needs to be ascertained by analyzing the sample from a NABL accredited lab. Thus, the quantity of material available in metric ton needs to be calculated for mining and no mining zone.

f) The permanent boundary pillars need to be erected after identification of an area of aggradation and deposition outside the bank of the river at a safe location for future surveying. The distance

between boundary pillars on each side of the bank shall not be more than 100 meters.

g) Identifying the mining and no mining zone shall follow with defining the area of sensitivity by ascertaining the distance of the mining area from the protected area, forest, bridges, important structures, habitation etc. and based on the sensitivity the area needs to be defined in sensitive and non-sensitive area.

h) Demand and supply of the Riverbed Material through market survey needs to be carried out. In addition to this future demand for the next 5 years also needs to be considered.

i) It is suggested that as far as possible the sensitive areas should be avoided for mining, unless local safety condition arises. Such deviation shall be temporary & shall not be a permanent feature.

- j) The final area selected for the mining should be then divided into mining lease as per the requirement of State Government. It is suggested the mining lease area should be so selected as to cover the entire deposition area. Dividing a large area of deposition/aggradation into smaller mining leases should be avoided as it leads to loss of mineral and indirectly promote illegal mining.
- k) Cluster situation shall be examined. A cluster is formed when one mining lease of homogenous mineral is within 500 meters of the other mining lease. In order to reduce the cluster formation mining lease size should be defined in such a way that distance between any two clusters preferably should not be less than 2.5 Km. Mining lease should be defined in such a way that the total area of the mining leases in a cluster should not be more than 10 Ha. 1) The number of a contiguous cluster needs to be ascertained. Contiguous cluster is formed when one cluster is at a distance of 2.5 Km from the other cluster. m) The mining outside the riverbed on Patta

Paryavaran Parkar Arera Colony, Bhanal

land/Khatedari land be granted when there is possibility of replenishment of material. In case, there is no replenishment then mining lease shall only be granted when there is no riverbed mining possibility within 5 KM of the Patta land/Khatedari land. For government projects, mining could be allowed on Patta land/Khatedari land but the mining should only be done by the Government agency and material should not be used for sale in the open market. Cluster situation as mentioned in para k above is also applicable for the mining in Patta land/Khatedari land.

n) The State Government should define the transportation route from the mining lease considering the maximum production from the mines as at this stage the size of mining leases, their location, the quantity of mineral that can be mined safely etc. is available with the State Government. It is suggested that the transportation route should be selected in such a way that the movement of trucks/tippers/tractors from the villages having habitation should be avoided. The transportation

route so selected should be verified by the State Government for its carrying capacity.

o) Potential site for mining having its impact on the forest, protected area, habitation, bridges etc, shall be avoided. For this, a sub-divisional committee may be formed which after the site visit shall decide its suitability for mining. The list of mining lease after the recommendation of the Committee needs to be defined in the following format given in as Annexure-II. The Sub-Divisional Committee after the site visit shall make a recommendation on the site for its suitability of mining and also records the reason for selecting the mining lease in the Patta land. The details regarding cluster and contiguous cluster needs to be provided as in Annexure-III. The details of the transportation need to be provided as in Annexure IV.

p) Public consultation-The Comments of the various stakeholders may be sought on the list of mining lease to be auctioned. The State Government shall give an advertisement in the local and national newspaper for seeking comments of the general public on the list of mining lease included in the DSR. The DSR should be placed in the public domain for at least one month from the date of publication of the advertisement for obtaining comments of the general public. The comments so received shall be placed before the sub-divisional committee for active consideration. The final list of sand mining areas [leases to be granted on riverbed & Patta land/Khatedari land, de-siltation location (ponds/lakes/dams), M-Sand Plants (alternate source of sand)] after the public hearing needs to be defined in the final DSR in the format as per Annexure-V. The details regarding cluster and contiguous cluster needs to be provided in Annexure-VI. The details of the transportation need to be provided in Annexure-VII.

No. of Annexure	Details
Annexure –I	Details of Sand/ M-Sand Sources
Annexure –II	List of Potential Mining Leases (Existing & Proposed)
Annexure –III	Cluster & Contiguous Cluster details
Annexure –IV	Transportation Routes for individual leases and leases in Cluster
Annexure –V	Final List of Potential Mining Leases (Existing & Proposed)
Annexure –VI	Final List of Cluster & Contiguous Cluster
Annexure –VII	Final Transportation Routes for individual leases and leases in Cluster



ANNEXURE NO.-I COMPLIANCE TO ENFORCEMENT AND MONITORING GUIDELINES FOR SAND MINING- 2020

Details of Sand/M-Sand Sources.

a) Rivers.

River Name/M-Sand Plant	Total Stretch of River (in-KM)	Type of River (Perennial or Non- Perennial)		
Chambal River	1.5	Perennial		
Maleni River	2.5	Perennial		
Pingla River	1.0	Perennial		
Shipra River	1.0	Perennial		
Mahi River	2.5	Perennial		

b) De-Siltation Location: (Lakes/Ponds/Dams etc.)

Name of Reservoir/Dams	Maintain/Controlled by State Govt./PSU etc.	Location	District	Tehsil	Village	Size(Ha)
		NIL				

c) Patta Lands/Khatedari Land:

Owner Sy.No. Area(Ha) District Tehsil	Village Agricultural Land (Yes/No)
NIL	

d) M-Sand Plants:

Plant Name Owner. District Tehsil Village Geo-Location	on Quantity Tones/Annum
NIL	

ANNEXURE NO.-II List of Potential Sand Mining Area (Exisiting & Proposed) Rivers.

River Details	Lease Details	Area (Ha)	Distance (in KM) from PA/BR/WC	Distance from Forest Area (in KM)	Mining leases within 500 meters (if yes cluster area)	Total excavation in Tones/Annum considering digging depth max as 3 meters.	Mineral to be mined (Sand/ Bajri/ RBM etc.)	Existing Propose
Chambal	Kitu Khedi	5.0	More than 10 KM	More than 0.25 KM	No	30000 cum.	Sand	Existing
Maleni	Bahadurpur Jagir	3.0	More than 10 KM	More than 0.25 KM	No	17850 cum.	Sand	Existing
Chambal	Uni	5.0	More than 10 KM	More than 0.25 KM	No	30000 cum.	Sand	Existing
Maleni	Karan Khedi	1.70	More than 10 KM	More than 0.25 KM	No	11040 cum.	Sand	Existing
Maleni	Khojan Kheda	6.0	More than 10 KM	More than 0.25 KM	No	36000 cum.	Sand	Existing
Pingla	Rafu Khedi	8.0	More than 10 KM	More than 0.25 KM	No	48450 cum.	Sand	Existing
Chambal	Bhanpur	6.0	More than 10 KM	More than 0.25 KM	No	36000 cum.	Sand	Existing
Maleni	Badodiya	6.0	More than 10 KM	More than 0.25 KM	- No	36000 cum.	Sand	Existing
Chambal	Gondi Shankar	10	More than 10 KM	More than 0.25 KM	No	59760 cum.	Sand	Existing
Chambal	Melukhedi	8.0	More than 10 KM	More than 0.25 KM	No	96000 cum.	Sand	Existing
Chambal	Fatehpur	16	More than 10 KM	More than 0.25 KM	No	96000 cum.	Sand	Existing
Chambal	Nimbakhedi	8.0	More than 10 KM	More than 0.25 KM	No	48000 cum.	Sand	Existing
Shipra	Laxmipura	8.0	More than 10 KM	More than 0.25 KM	No	50400 cum.	Sand	Existing
Mahi	Umariya	7.54	More than 10 KM	More than 0.25 KM	No	45000 cum.	Sand	Existing

Patta Lands/Khatedari Land: (existing & proposed)

-73	Editor Editor Italian (La)	iu. (existii	ug & prop	osea)		
	Owner Sy.No. Area District	Tehsil	Village	Total Reserve	Total Mineral to be mined	Existing/ Proposed
			NII		(MT)	

De-Siltation Location: (Lakes/Ponds/Dams etc.) (existing & proposed)

9	Name of	Maintain/	Location	District	Tehsil	Village	Size(Ha)	Overthe I	The Print Street of the Street
	reservoir/	Controlled by				VIII D	Size(iia)	Quantity	Existing/
D	Dams	State						MT/Year	Proposed
5.5		Govt/PSU		10000000000000000000000000000000000000					
h		TO THE REPORT OF THE PARTY OF THE PARTY.	TENSOR TO SERVICE					Man had been willing	
,	Application of the second seco	etc.	在第二次。 第二次		A SHOW AND	ALL ALL DESCRIPTION AND ADDRESS OF THE PARTY			
					ATTT				THE PARTY OF THE P

M-Sand Plants: (existing & proposed)

Plant Name	Owner	Location	District	Tehsil	Village Geo- Quantity Location Tones/Annum	Existing/
					NIL	

Assessment Attacks Assessment Attacks

Paryaveran Parisar E-5, Arera Colony, Bhopal (M.P.)

ANNEXURE-III

Cluster & Contiguous Cluster details

1. Clusters:

River Name	Cluster No.	Lease No.	Location (Reverbed/ Patta Land)	Village	Атєа(На)	Total exeavation (ton)	Total Mineral excavation (ton)
				NIL	BASSE TO SERVICE STREET	Annual State of State	

2. Contiguous Cluster:

Contiguous Cluster No.	Number of leases in the cluster	Location (Reverbed/ Patta Land)	Area of cluster (Ha)	型形形的形式 医多种性性 医多种性 医多种性 医多种性 医多种性 医多种性 医多种性 医多种
		NIL	permental services	

ANNEXURE-IV

Transportation Routes for individual Sand Quarry and Sand Quarry in Cluster

1. Transportation Routes For Individual Sand Quarry

	Transportation	n Routes	r or inaivid	iuai San	a Quarry			
Lease Name	Transpertation Rollie No.	Number of tippers/ day of lease	Number of tippers/ day of all the lease on route	Length of Route in KM	Type of road (Black Topped/ unpayed)	Recommen dation for road (Black Topped/ unpaved)	The road will be Constructe d by Govt/ Lease	Route Map & Location
			ACCOUNT OF THE PARTY OF THE PAR		unpaved)	unpaveu)	Owner	
Kitu Khedi	1	08	08	0.5	unpaved	unpaved	Lease Owner	Enclosed
Bahadurpur Jagir	1	20	20	0.9	unpaved	unpaved	Lease Owner	Enclosed
Uni	1	25	25	0.7	unpaved	unpaved	Lease Owner	Enclosed
Karan Khedi	1	20	20	3.2	unpaved	unpaved	Lease Owner	Enclosed
Khojan Kheda	1	03	03	1.3	unpaved	unpaved	Lease Owner	Enclosed
Rafu Khedi	1	05	05	2.1	unpaved	unpaved	Lease Owner	Enclosed
Bhanpur	1	10	10	1.4	unpaved	unpaved	Lease Owner	Enclosed
Badodiya	1	08	08	0.5	unpaved	unpaved	Lease Owner	Enclosed
Gondi Shankar	1	20	20	0.9	unpaved	unpaved	Lease Owner	Enclosed
Melukhedi	1	25	25	0.7	unpaved	unpaved	Lease Owner	Enclosed
Fatehpur	- 1	20	20	3.2	unpaved	unpaved	Lease Owner	Enclosed
Nimbakhedi	1,	03	03	1.3	unpaved	unpaved	Lease Owner	Enclosed
Laxmipura	1	05	05	2.1	unpaved	unpaved	Lease Owner	Enclosed
Umariya	1	10	10	1.4	unpaved	unpaved	Lease Owner	Enclosed

Transportation Routes For Clusters:

Cluster No.	Transportation Route No.	Number of tippers/ day of lease	Number of tippers/ day of all the lease on route	Schlage 中央の対象を受ける場合は、	road (Black	for road (Black Topped/ unpaved)	Map & Location
				NIL		٨	List and property of the con-

State Level Endeden impact Assessment Junority, M.P.

Paryavaran Parisar E-5, Arera Colony, Bhopal (M.P.)

ANNEXURE-V

Final list of Potential Sand Mining Area (Exisiting & Proposed)

River Details	Lease Details	Area (Ha)	Distance (in KM) from PA/BR/WC	Distance from Forest Area (in KM)	Mining leases within 500 meters	Total excavation in Tones/Annum considering digging depth max as 3 meters.	Mineral to be mined (Sand/	Existing/ Proposed
				, s.v.)	(if yes cluster area)	max as 3 meters.	Bajri/ RBM etc.)	
Chambal	Kitu Khedi	5.0	More than 10 KM	More than 0.25 KM	No	30000 cum.	Sand	Existing
Maleni	Bahadurpur Jagir	3.0	More than 10 KM	More than 0.25 KM	No	17850 cum.	Sand	Existing
Chambal	Uni	5.0	More than 10 KM	More than 0.25 KM	No	30000 cum.	Sand	Existing
Maleni	Karan Khedi	1.70	More than 10 KM	More than 0.25 KM	No	11040 cum.	Sand	Existing
Maleni	Khojan Kheda	6.0	More than 10 KM	More than 0.25 KM	No	36000 cum.	Sand	Existing
Pingla	Rafu Khedi	8.0	More than 10 KM	More than 0.25 KM	No	48450 cum.	Sand	Existing
Chambal	Bhanpur	6.0	More than 10 KM	More than 0.25 KM	No	36000 cum.	Sand	Existing
Maleni	Badodiya	6.0	More than 10 KM	More than 0.25 KM	No	36000 cum.	Sand	Existing
Chambal	Gondi Shankar	10	More than 10 KM	More than 0.25 KM	No	59760 cum.	Sand	Existing
Chambal	Melukhedi	8.0	More than 10 KM	More than 0.25 KM	No	96000 cum.	Sand	Existing
Chambal	Fatehpur	16	More than 10 KM	More than 0.25 KM	No	96000 cum.	Sand	Existing
Chambal	Nimbakhed i	8.0	More than 10 KM	More than 0.25 KM	No	48000 cum.	Sand	Existing
Shipra	Laxmipura	8.0	More than 10 KM	More than 0.25 KM	No	50400 cum.	Sand	Existing
Mahi	Umariya	7.54	More than 10 KM	More than 0.25 KM	No	45000 cum.	Sand	Existing

Patta Lands/Khatedari Land: (existing & proposed)

Owner	Sy,No.	Area	District	Tehsil	Villag	ge To	tal Reserve (MT)	Total Mineral to be mined (MT)	Existing/ Proposed
				23	NIL	^			

De-Siltation Location: (Lakes/Ponds/Dams etc.) (existing & proposed)

Name of reservoir/ Dams	Maintain/ Controlled by State Govt/PSU	Location	District	Tehsil	Village	Size(Ha)	Quantity MT/Year	Existing/ Proposed
	etc.			NIL				

M-Sand Plants: (existing & proposed)

Plant Owner Location Name	District	Tehsil			Quantity Tones/Annum	
NIL NIL						

State Level Environment Impact Assessment Authority, M.P. (EPCO)

Paryavaran Parisar E-5, Arera Colony, Bhopai (M.P.)

Details of Royalty and Revenue received in last three years for Sand and Minor Mineral Mine lease (2018-19, 2019-20 and 2020-21):

Table 11 Revenue received in last three years for Sand Mine lease

Year	Revenue		
2018– 2019	58,63,656		
2019 – 2020	12,92,692		
2020– 2021	- 8		

Table 12 Revenuereceived in last three years for Minor Mineral Mine lease

Year	Mineral Name	Revenue
2018-2019	Gitti	8,20,35,486
2019 – 2020	Gitti	6,53,15,729
2020 – 2021	Gitti	16,68,35,950
2018–2019	Murrum	26,50,468
2019 – 2020	Murrum	5,10,000
2020 – 2021	Murrum	22,02,050
2018-2019	Boulder	-
2019 – 2020	Boulder	
2020 - 2021	Boulder	1,25,00,000
2018-2019	Soil	-
2019 – 2020	Soil	87,78,950
2020 - 2021	Soil	13,45,93,450

State Level Enformment Impact
Assessment Authority, M.P.
(EPCO)

Paryavaran Parisar E-5, Arera Colony, Bhopal (M.P.)

Details of Sand and Minor Mineral Production in last 3 years (2018-19, 2019-20 and 2020-21):

Table 13 Sand Production in last 3 years

Year	Production(In Cu.Mt)
2018–2019	58536.56
2019 – 2020	12926.92
2020 – 2021	-

Table 14 Minor Mineral Production in last 3 years

Year	Mineral Name	Production(In Cu.Mt)
2018–2019	Gitti	820354.86
2019 – 2020	Gitti	544297.74
2020 - 2021	Gitti	1390299.58
2018–2019	Murrum	53009.36
2019 – 2020	Murrum	10200
2020 – 2021	Murrum	44041
2018–2019	Boulder	:=:
2019 – 2020	Boulder	-
2020 - 2021	Boulder	250000
2018-2019	Soil	-
2019 – 2020	Soil	175579
2020 - 2021	Soil	2691869

Chapter - 7 Uses of Minerals

Major and Minor Minerals are mainly use for construction purpose. Minor Minerals' comprise of gravel, building stones, soil, ordinary clay, ordinary sand, and murrum. Other sand used for prescribed purposes, and any other mineral which the Central Government may, by notification in the Official Gazette, declare to be a minor mineral.

Crushed stone (Gitti): Angular crushed stone is the key material for macadam road construction, which depends on the interlocking of the individual stones' angular faces for its strength. Also use as rip rap, as railroad track ballast, as composite material (with a binder) in concrete, tarmac, and asphalt concrete.

Sand: Sand is used to give strength, bulk and other properties to construction materials like asphalt and concrete. In landscaping, it is used as a decorative material. A particular type of sand is used for glass manufacturing. Likewise, it is used for metal casting as a moulding material.

Murrum: It is a mixture of minerals, organic matters, gravels, rock particles etc. Murum is used in plinth filling, road pavements, backfilling in trenches, footing pits, etc. Given that it doesn't contain any organic matters and can be compacted easily forming hard surfaces, it is a soil suitable in the field of construction.

Soil: Ordinary earth soil used for filling the embankment, roads, railways and building. Soil which is excavated from mine is also used for different purpose of construction.

Brick Clay/Soil: Brick clay/Soil is rich in alumina, silica, calcium, oxides of iron, magnesium and organic matter. These are low grade clays used most for the manufacturing of building bricks and similar clay products.

Chapter - 8 **General Profile of the District**

1.Geographical	The district area extends between the parallels of latitude 23°05'			
Position	and 23°52' North and between the meridians of longitude 74°31'			
	and 74°41' East, and it is falling in the Survey of India Topo			
	Sheet No. 46I and 46M.			
2. Area and	I. Geographical Area (Sq.Km)			
Population	Total Area (Sq.Km): 4861 Km ²			
	II. CENSUS 2011			
ě-	I.Population			
	a. Total Population: 1,455,069			
	b. Male Population: 738,241			
	c. Female Population: 716,828			
	II. Literates			
	a. Total Literates: 825,880			
	b. Male: 485,090			
	c. Female: 340,790			
	III. Main Workers (Census 2011)			
	a. Total Workers: 690,980			
	b. Male Workers: 411,446			
	c. Female Workers: 279,534			
	d. Cultivators: 218,692			
	e. Agricultural Labourers: 305,946			

1	f. Other Workers: 154,414				
1	V.Languages Spoken in the District				
	Hindi is a common language spoken by the inhabitant of the				
*	city. However people also speak Malwi and Rajawari language				
14	within their communities.				
3. Temperature	Mean- Maximum temperature: 32.2°C				
	Mean- Minimum temperature: 18.8°C				
4. Rainfall (In mm)	Normal – South West Monsoon:mm				
	Annual Rainfall: 921.41mm				
5.Agriculture	a. Total Cultivated Area (Ha):486.0				
Si .	b. Net Area Sown (Ha): 333.0				
	c. Area Sown more than once (Ha): 167				
6.Rivers, etc.	Ratlam district falls under Ganga and Mahi river basins. The				
	tributaries of Chambal River drain about 70 % geographical area				
	of the district. Southwest part of the district is drained by the Mahi River and its tributaries.				
7. Revenue	Revenue Divisions:				
Administrative	a. Revenue Blocks: 5				
Divisions	b. Revenue Tehsils: 9				
8. Local Bodies	a. Corporations: nil				
	b. Municipalities: 9 (1 Nigam+1 Ngar Palika+7 Nagar				
	Parishads)				
	c. Village Panchayats: 418				

8.1 Census Data 2011

Table 15 Census Data for year 2011

Description	2011
Actual Population	1,455,069
Male	738,241
Female	716,828
Population Growth	19.72%
Area Sq. km.	4,861
Density/KM ²	299
Proportion to population of Madhya Pradesh	2.00%
Sex Ratio (Per 1000)	971
Child Sex Ratio (0-6 Age)	939
Average Literacy	66.78
Male Literacy	77.54
Female Literacy	55.77
Total Child Population (0-6 Age)	218,354
Male Population (0-6 Age)	112,637
Female Population (0-6 Age)	105,717
Literates	825,880
Male Literates	485,090
Female Literates	340,790
Child Proportion (0-6 Age)	15.01%
Boys Proportion (0-6 Age)	15.26%
Girls Proportion (0-6 Age)	14.75%

State Level Environment Impact
Assessment Authority, M.P.

Assessment Authority, M.P.

(EPCO)

Paryavaran Parisar

Paryavaran Bhopal (M.P.)

E-5, Arera Colony, Bhopal

Land utilization Pattern in the District: Forest, Agricultural, Mining, etc.,

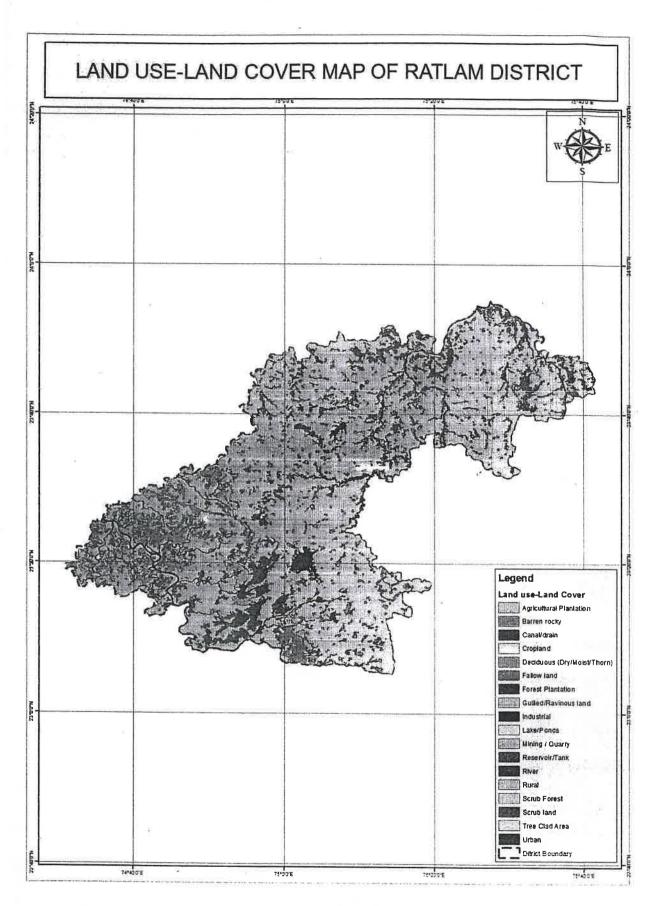
Land use/land cover (LULC) changes are main issues of universal environment change. The Satellite remote sensing data with their monotonous nature have proved to be rather useful in mapping land use/land cover decorations and changes with time. Quantification of such changes is conceivable through GIS techniques even if the subsequent spatial datasets are of dissimilar scales or resolutions. Such studies have helped in considerate the dynamics of human happenings in space and time. Land use refers to man's activities.

Table 16 Land Use Pattern of the Study Area

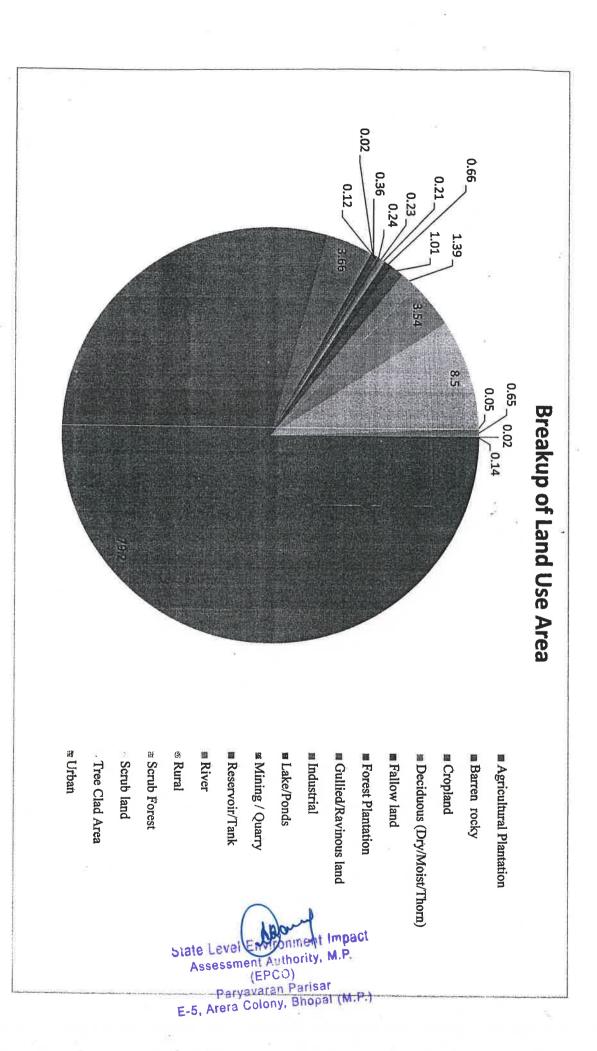
Sr. No.	Class	Area in Ha.	Percentage of coverage	
1	Agricultural Plantation	300.2215	0.02 %	
2	Barren rocky	652.0083	0.14 %	
3	Cropland	381699.5	79.2 %	
4	Deciduous (Dry/Moist/Thorn)	17634.94	3.66 %	
5	Fallow land	491.9822	0.12 %	
6	Forest Plantation	8.950163	0.02 %	
7	Gullied/Ravinous land	1736.262	0.36 %	
8	Industrial	1137.785	0.24 %	
9	Lake/Ponds	1088.487	0.23 %	
10	Mining / Quarry	1004.544	0.21 %	
11	Reservoir/Tank	3201.045	0.66 %	
12	River	4847.668	1.01 %	
13	Rural	6703.966		
14	Scrub Forest	17073.8	3.54 %	
15	Scrub land	40985.16	8.5 %	
16	Tree Clad Area	243.8377	0.05 %	
17	Urban	3119.907	0.65 %	
	Total	481930.1014	100 %	

Assessment Authory M.P.

Paryavaran Parisar
E-5, Arera Colony, Bhopal (M.P.)



Land Use and Land Cover Map of the District



Land Use and Land Cover Breakup of the District

Physiography of the District

The whole Ratlam district lies on Malwa plateau. The general scene is of undulating country sloping towards north and marked by series of high hills and valleys. There are isolated hills and attain prominence in the southeast of the district and near the western margins of the plateau. In the west hills are dissected and slopes into the narrow valleys of seasonal steams of Mahi. Geomorphology of Ratlam district can be divided into five divisions.

- 1. The Malwa plateau in the east
- 2. The plateau of Sailana
- 3. The western hills of Sailana
- 4. The Chambal valley
- 5. The Mahi valley

In general, Ratlam district is characterized by hilly to undulating terrain with altitude ranging between 434 m and 549 m above mean sea level. The highest elevation in the district is 639.7 m above mean sea level near Sakraoda in Sailana block and lowest elevation of the district is 305 m above mean sea level at village Chandragarh in Sailana block.

The district is bounded by Mandsaur district in the north, Jhabua and Dhar district in the south, Ujjain and Shajapur districts in the east, Banswara district of Rajasthan state in the west and Jhalawar district of Rajasthan state in the northeast. The district area extends between the parallels of latitude 23°05' and 23°52' North and between the meridians of longitude 74°31' and 74°41' east, and it is falling in the Survey of India TopoSheet No. 46I and 46M.

State Level En Portment Impact
Assessment Anthority, M.P.

Paryavaran Parisar
Paryavaran Phopal (M.P.)
E-5, Arera Colony, Bhopal

Details of Month wise Rainfall Data of 1 Year

Table 17 Details of Month wise Rainfall Data in m.m.(2021)

	Dec	Nov	Oct	Sep	Aug	jul	jun	May	Apr	Mar	Feb	Jan	Tehsil/ Month
	28	17	53	267	252	415	147	845	802	802	800.0	802.0	Alot
	×	0	84	224	285	677	265	1182	1153	1153	1151.0	1152.0	Jaora
	16	2	63	152	266	589	95	1139.2	1127.2	1127	1125	1125.2	Tal
15	12	0	61	303	140	424	117	1045	1004	1004	1004.0	1004.0	Piploda
10	10	2	25	356	177	342	56	1390	1374	1374	1374.0	1374.0	Bajna
1.5	3	16	64	488	220	426	140.6	1132	1107	1107	1107	1104.0	Ratlam
11.2		0	67.6	515	186	437	146.6	1235.4	1188.4	1188.4	1188.4	1188.4	Raoti
13	5	2	47	370	203	562	115	1390	1342	1342	1342.0	1342.0	Sailana
											0	0	1a

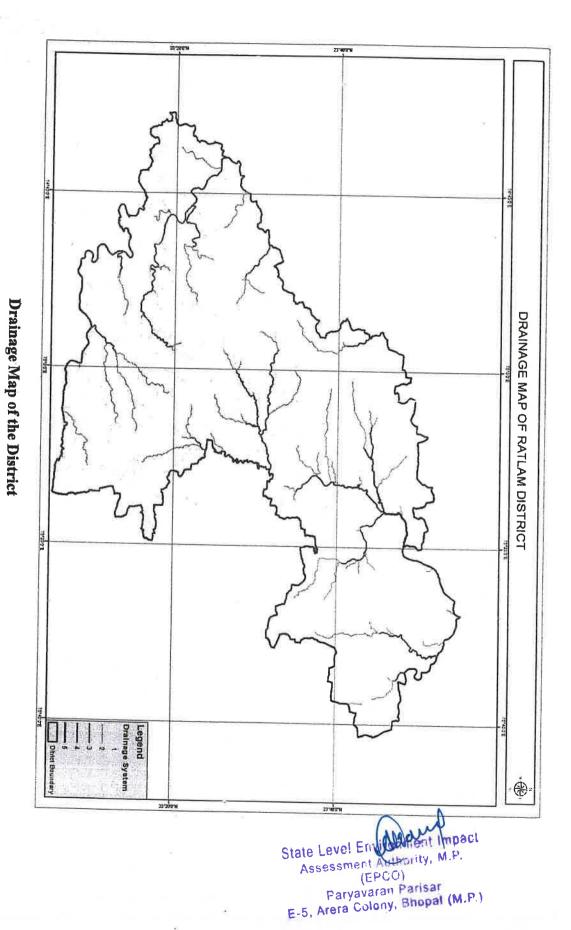
Rainfall of the District Climate Condition

Rainfall

The normal annual rainfall of Ratlam district is 992.90 mm. Ratlam district receive maximum rainfall during southwest monsoon period i.e. June to November. About 92.8% of annual rainfall is received during monsoon season.

Climatic Conditions

A hot summer and general dryness characterize the climate of Ratlam district, except during the southwest monsoon season. The year can be divided in to four seasons. The winter commences from middle of November and lasts till the end of February. The period from March to about middle of June is the hot summer season. May is the hottest month of the year. The southwest monsoon starts from middle of June and lasts till end of September. October and middle of November constitute the post monsoon or retreating monsoon season. The temperature starts rising from the beginning of February and reaching maximum in the month of May. The normal annual mean maximum temperature is 32.2°C and normal annual mean minimum temperature is 18.8°C. The individual day maximum temperature in May goes up to 39.7°C. The wind velocity is high during the pre-monsoon period as compared to post monsoon period. The wind velocity is highest in June around 14.1 km/hr and lowest is 6.0 km/hr in October. The average normal annual wind velocity of Ratlam district is 9.0 km/hr.



Geology of the District

The generalized lithology of the District is as follow:

Geologically almost entire Ratlam district is occupied by Deccan Trap basalts except narrow patch of alluvium and sedimentary rocks of Vindhyans super group in isolated patches, which are forming different type of aquifer in the area. Occurrence and movement of groundwater in hard rock is mainly controlled by secondary porosity through joints and fractures. Presences of vesicle in basaltic lava flow of Deccan Traps play an important role in groundwater movement. Groundwater in general occurs under unconfined to semi-confined conditions. The general geological conditions of the district and formation wise settings are discussed below:

Vindhyans

The hillocks of Vindhyans sandstone occur as inlier in northwest and northern block of Piploda, Alot town, Dhodhar and Pingrala village. The sandstone is quartitic in nature and very hard and compact. At shallow depth the sandstone forms poor aquifer system.

Basalts

The basalts underlie a major part of the district and generally groundwater occurs under phreatic conditions in shallow weathered, jointed and fractured horizons. The area has mostly vesicular and massive in nature.

Alluvium

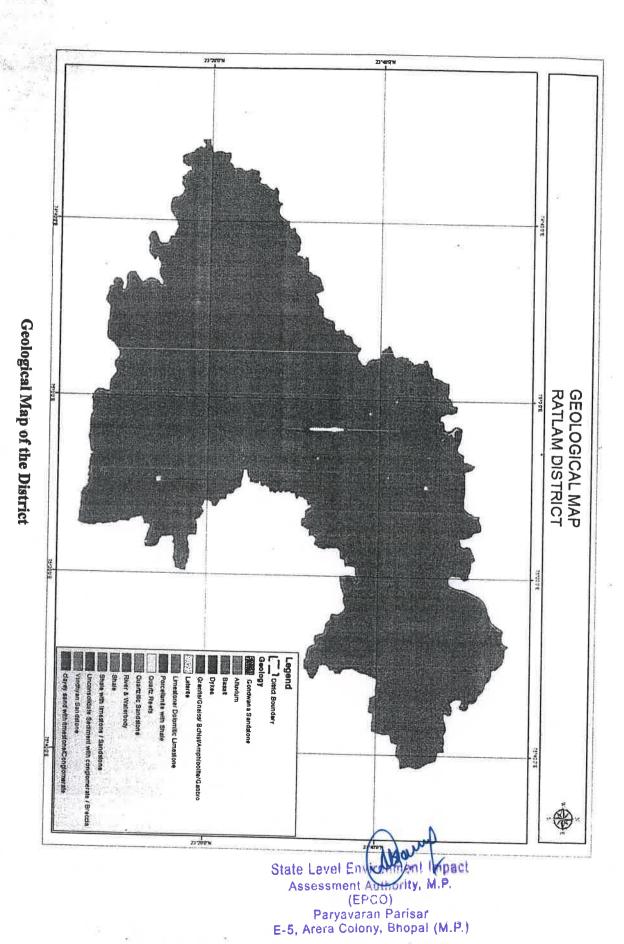
The alluvium deposits are restricted to narrow linear along the river courses of Chambal, Kshipra, Maleni and Mahi. The thickness of alluvium varies from 12 to 15 meters, which is proportionately thinning away from the river line. The thickness of alluvium along the Kurel River reported about 20 meter near Rajhumgarh. The alluvium deposits consist series of consolidated, fine to medium grained sand admix in varying proportion.

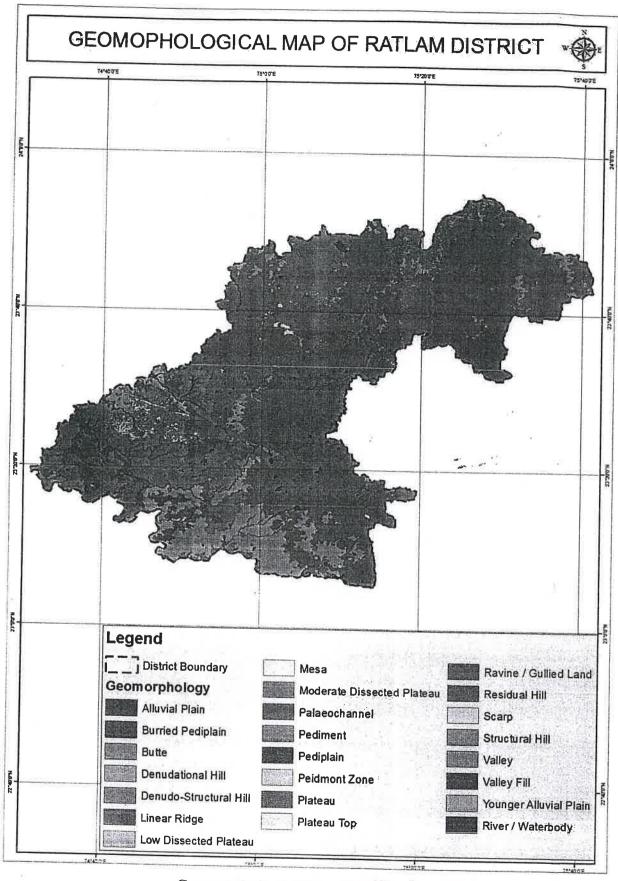
Table 18 Geological Profile of the District

Age	Period and sub Period	Geological Formation	Associate Mineral Deposits
upper Cretaceous to	Malwa Group	Kankaria Formation	Dark grey to black fine
Eocene	Deccan Trap	Polination	grained hard compact basalt sparely morderatly porphyritic
			Rock

Following Local lithological Sequence is observed in the area-

Lithology	Approx thickness in Meter	Physical properties Brownish-Red coloured with		
Soft Murram	Average 1.00 m from the			
	surface	red bowls.		
Murum/ Hard murrum	Average 1.00 m- 3.00m below	Brownish grey, hard weathered		
Ä	the soft murrum.	basaltic murrum.		
Basalt Stone	3.00m to12 m	Dark grayish to Black, fine		
		grained hard and compact,		
		massive, horizontally disposed.		





Geomorphologic Map of the District implication State Level Envir Assessment Paryaveran Barisar (M.P.)

Drainage and Irrigation Pattern

Drainage Pattern

Ratlam district falls under Ganga, Chambal and Mahi river basins. The tributaries of Chambal River drain about 70 % geographical area of the district. Southwest part of the district is drained by the Mahi River and its tributaries. The type of drainage in general is dendritic developed on Deccan Trap basaltic rocks. The Chambal River flows in the northeast part of the district. The important tributaries of Chambal River in the district are Kshipra, Maleni and Pingla rivers. The Mahi River flows in the southwest part of the district. The Mahi River is a consequent river, which originate from Dhar district. The main tributaries of the Mahi River are Bageri, Jammer, Karan, Pundia, Bunad Pampavati and Telni.

Irrigation Practices

Irrigation is the artificial application of water to the soil for normal growth of plants. Water is an important determinant factor for production of crops in agriculture sector. Intensive and extensive cultivation of land depends mainly on the availability of water. Medium and minor irrigation schemes are implemented in the state for augmenting the water supply for agriculture. The various sources of irrigation are canals, tanks, tube wells, ordinary wells, springs and channels.

Surface Water and Ground water scenario of the District

Ground Water

Ground Water is found beneath the earth's surface and is an important source of water in most of the Districts in the State. Ground Water is withdrawn for Agriculture, Municipal and industrial use. The depth at which the ground water occurs is called Ground water Table.

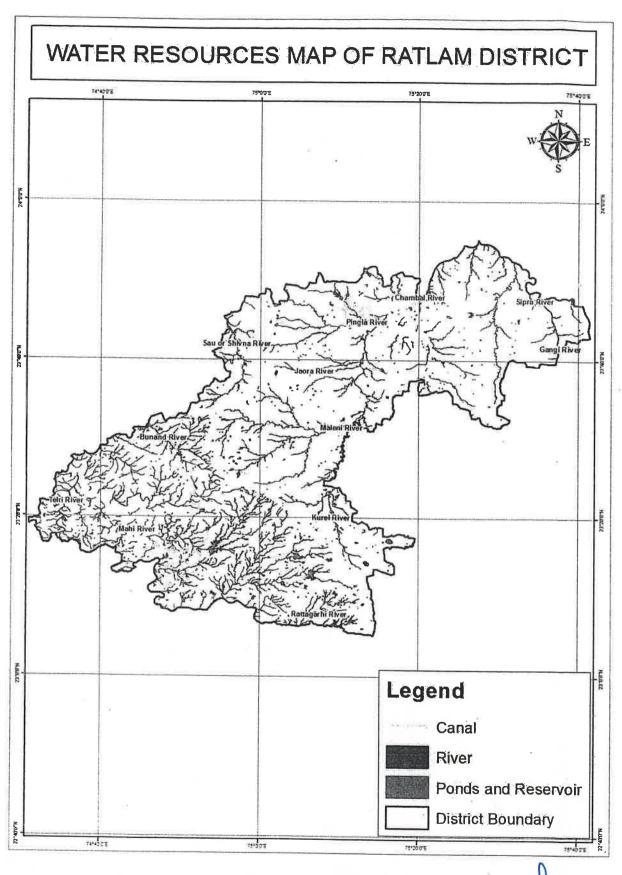
Variation of groundwater levels in an area is an important component of hydrological cycle because it is a physical reflection of aquifer systems. As the change in groundwater level is directly related to groundwater balance and its continuous records provide direct information of subsurface geo-environmental changes due to withdrawal of groundwater. To monitor the seasonal and annual change in quantity and quality of groundwater, CGWB has established 15 Groundwater Monitoring Wells and 21 Piezometers in entire Ratlam district. The monitoring of groundwater levels in these wells was carried out by CGWB during the month of May, August, November and January. High frequency Groundwater level monitoring was carried out at Ratlam, Dhodhar and Jaora deep piezometer using Automatic Water Level Recorders. Analyses of Groundwater level data of pre-monsoon period indicate that there is rise as well as decline in water level in the district. In general, rise in water level is in the range of 0.06 to 0.1 m/year whereas decline is in the range of 0.03 to 0.36 m/yr.

Surface Water

The type of drainage in general is dendritic, developed on Deccan Trap basaltic rocks. The Chambal River flows in the northeast part of the district. The important tributaries of Chambal River in the district are Kshipra, Maleni and Pingla rivers. The Mahi River flows in the southwest part of the district. The main tributaries of the Mahi River are Bageri, Jammer,

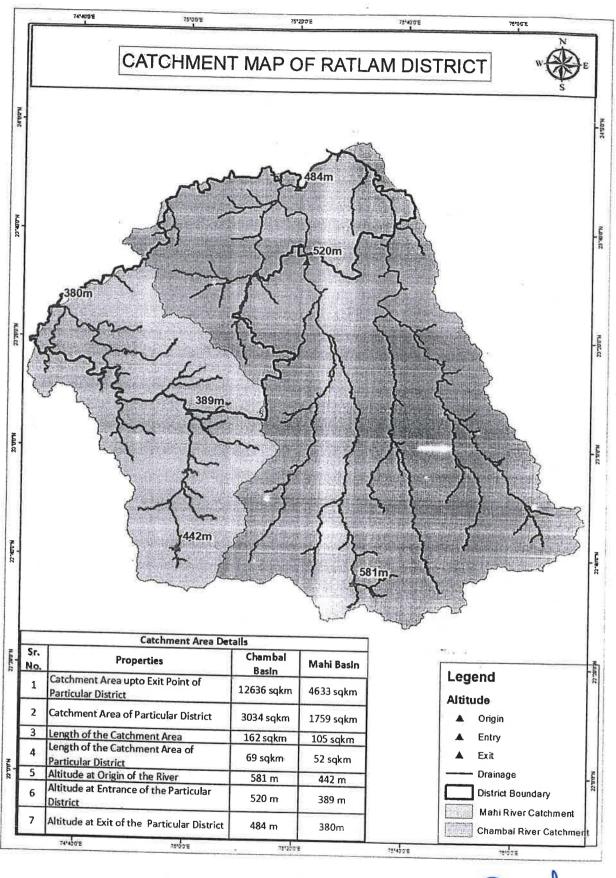
Karan, Pundia, Bunad Pampavati and Telni.

State Level Ehvil Paryavaran Parisat E-5, Arera Colony, Bhopal (M.P.)



Water Resources Map of the District
State Lavel
Assessment Paryavaran F

Paryavaran Parisar E-5, Arera Colony, Bhopal (M.P.)



Catchment Map of District

State Level Envir Monty, MP.

Assessment Parisar
Paryavaran Parisar
E-5, Arera Colony, Bhopal (M.P.)

Table 19 Details of Catchment Area

Sr. No.	Properties	Chambal Basin	Mahi Basin
1	Catchment Area up to Exit Point of Particular District	12636 sqkm	4633 sqkm
2	Catchment Area of Particular District	3034 sqkm	1759 sqkm
3	Length of the Catchment Area	162 sqkm	105 sqkm
4	Length of the Catchment Area of Particular District	69 sqkm	52 sqkm
5	Altitude at Origin of the River	456 m	442 m
6	Altitude at Entrance of the Particular District	520 m	389 m
7	Altitude at Exit of the Particular District	484 m	380m

State Level Environment Indian Assessment Authority, MIP.

Assessment Authority, MIP.

(EPCO)

Paryavaran Parisar

E-5, Arera Colony, Bhopal (M.P.)

Bajna Sailana Rewati Mineral Map of the District \$5.00 E Pipioda MINERALS MAP Chapter - 16 Ratlam Jaora Tal Paryavaran Parisar E-5, Arera Colony, Bhopal (M.P.) Minerals Legend Assessment Auth Murrum District Boundary Tehsil Boundary Stone Gitti/Stone State Lever 23° 10'9' N

Mineral map of the District

Details of Eco-Sensitive Area, if any, in the District

The Sailana Bird Sanctuary, also known as Kharmour Bird Sanctuary, is situated in Sailana Village of the Ratlam District. This sanctuary is spread in a total area of 13 km² and was established in 1983. This sanctuary is home to and is named after the 'Kharmour' bird, a very rare species; and it is also a major stop for a wide variety of migratory birds. It is also one of the breeding habitats of Lesser Florican in India. This place is located amidst the hills of Malwa region and is internationally acclaimed for its rich and varied variety of flora and fauna. The region is covered by dense forest and grassy terrain because of the suitable climatic conditions like moisture, soil texture and availability of water. The life supporting conditions in the sanctuary provides habitat to several exotic species. Besides having a rich population of species like deer, rabbits, wild boars etc, the sanctuary is also home to several endangered species.

The Gazette of India, Extraordinary, vide notification of the Government of India in the Ministry of Environment, Forest and Climate Change notification dated 08th October 2020 whereas, a draft notification was published in the Gazette of India, Extraordinary, vide notification of the Government of India in the Ministry of Environment, Forest and Climate Change number S.O. 1193 (E), dated the 20th March 2020, in which after exercising the powers conferred by sub-section (1) and clauses (v) and (xiv) of sub-section (2) and sub-section (3) of section 3 of the Environment (Protection) Act 1986 (29 of 1986) (hereafter in this notification referred to as the Environment Act), read with sub-rule (3) of rule 5 of the Environment (Protection) Rules, 1986, the Central Government hereby notifies an area to an extent varying from 100 meter to 2.00 kilometres around the boundary of Sailana Wildlife Sanctuary, in Ratlam district in the State of Madhya Pradesh as the Sailana Wildlife Sanctuary Eco-sensitive Zone.

Sailana wildlife santuary has three parts viz, Amba (8.51 square kilometers), Sherpur (0.91 square kilometers) and Shikarwadi private agriculture and grazing land (3.54 square kilometers). Cordinates of which are as following:-

A. SAILANA - KHARMOR - AMBA SANCTUARY

Direction Co-ordinates	Co-ordinates			
	Longitude	23°32' 7.341" 23°31'27.482" 23°30'4.023" 23°31'9.435".		
North	74°51'42.780"			
East	74°53'9.472"			
South	74°52'28.874"			
West	74°51'17.628"			

B. SAILANA KHARMOR - SHERPUR SANCTUARY

Direction Co-ordinates		Co-ordinates				
	Longitude	Latitude				
North	74°55'11.977''	23°32'46.343"				
East	74°55'28.154"	23°32'38.529''				
South	74°55'7.029"	23°32'13.065"				
West	74°54'39.729"	23°32'22.508"				

C. SAILANA KHARMOR - SHIKARWADI SANCTUARY

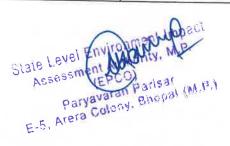
Direction Co-ordinates	ates Co-ordinates					
	Longitude	Latitude				
North	74°56'6.892"	23°26'53.075"				
East	74°56'40.834"	23°26'2.233"				
South	74°56'10.211"	23°25'27.536"				
West	74°55'34.007"	23°25'56.693"				

D. ECO-SENSITIVE ZONE OF SAILANA KHARMOR AMBA SANCTUARY

Direction Co-ordinates		Co-ordinates		
	Longitude	Latitude		
North	74°51'28.492"	23°33'17.012"		
East	74°54'18.192"	23°31'41.712"		
South	74°52'35.210"	23°28'59.345"		
West	74°50'08.921"	23°30'55.184"		

E. ECO-SENSITIVE ZONE OF THE SAILANA KHARMOR SHERPUR SANCTUARY

Direction Co-ordinates	tes Co-ordinates							
	Longitude	Latitude						
North	74°55'18.790"	23°33'55.614"						
East	74°56'38.576"	23°32'40.108"						
South	74°55'12.558"	23°31'08.221"						
West	74°53'43.016"	23°32'30.653"						



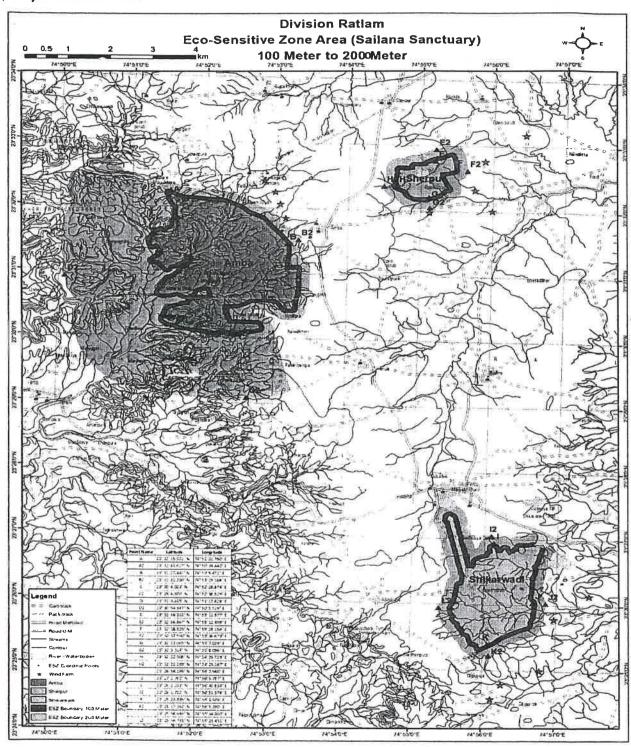
F. ECO-SENSITIVE ZONE OF THE SAILANA KHARMOR SHIKARWADI SANCTUARY

Direction Co-ordinates	Control of the Contro	Co-ordinates						
	Longitude	Latitude						
North	74°56'04.795"	23°28'18.324"						
East	74°57'52.627"	23°26'29.573"						
South	74°56'08.313"	23°24'16.185"						
West	74°54'24.023"	23°26'03.601"						

State Level Environment Impact
Assessment Monthly M.P.

E-5, Arera Colony, Shopal (M.P.)

MAP OF ECO-SENSITIVE ZONE OF SAILANA WILDLIFE SANCTUARY ALONG WITH LATITUDE AND LONGITUDE OF PROMINENT LOCATIONS ON SURVEY OF INDIA (SOI) TOPOSHEET:-



State Level Environment Impact
Assessment Anthority, M.P.
Assessment Anthority, M.P.
(EPCO)
Paryavaran Parisar
E-5, Arera Colony, Shopal (M.P.)

Impact on the Environment due to Mining Activity

Generally, the Environmental impacts can be categorized as either primary or secondary. Primary impacts are those, which are attributed directly by the project, secondary impacts are those, which are indirectly induced and typically include the associated investment and changed pattern of social and economic activities by the proposed action.

The impact has been ascertained for the project assuming that the pollution due to mining activity has been completely spelled out under the baseline environmental status for the entire ROM which is proposed to exploit from the mines.

Air

Mining Operations are carried out by opencast semi mechanized/ Mechanized method, dust particles are generated due to various activities like, Excavation, Loading, handling of mineral and transportation. The air quality in the mining area depends upon the nature and concentration of emissions and meteorological conditions.

The major air pollutants due to mining activity includes: -Particulate Matter (Dust) of various sizes.

- Gases, such as, Sulphur Dioxide, Oxides of Nitrogen, Carbon Monoxide etc., from vehicular exhaust.
- Dust is the single Air pollutant observed in the open cast mines. Diesel operating
 drilling machines, small amount of blasting and movement of machinery/ vehicles
 produce gaseous (NO_x and SO_x) emissions, usually at low levels. Dust can be of
 significant nuisance surrounding land users and potential health risk in some
 circumstances.

Water Impact

The mining operation leads to intersection of the water table which causes ground water depletion. Due to the interruption surface water sources like River, Nallah, Odai etc., surface water system, Drainage pattern of the area is altered.

Assessment (M.P.)

Paryavaran Parisar

E-5, Arera Colony, Bhopal (M.P.)

Noise

Noise pollution is mainly due to operation of Machineries and occasional plying of machineries. These activities will create Noise pollution in the surrounding area.

Land Environment

The topography of the area will change; due to the Topographical changes the entire Eco system will be altered.

Flora and Fauna

The impact on biodiversity is difficult to quantify because of its diverse and dynamic characteristics.

Mining activities generally result in the deforestation, land degradation, water, air and noise pollution which directly or indirectly affect the faunal and floral status of the project area.

However, occurrence and magnitude of these impacts are entirely dependent upon the project location, mode of operation and technology involved.

State Level Environment Impact
Assessment Authority, M.P.

Assessment Authority, M.P.

(EPCO)

Paryavaran Parisar

Paryavaran Phopal (M.P.)

Remedial Measure to mitigate the impact of Mining on the Environment:

Air

Mitigated measures suggested for air pollution controls are based on the baseline ambient air quality of the area

The following measures are proposed to be adopted in the mines such as,

- Dust generation shall be reduced by using sharp teeth of shovels.
- Wet drilling shall be carried out to contain the dust.
- Controlled blasting techniques shall be adopted.
- Water spraying on haul roads, service roads and overburden dumps will help in reducing considerable dust pollution.
- · Proper and regular maintenance of mining equipment's have to be considered.
- Transport of material in trucks covered with tarpaulin.
- The mine pit water can be utilized for dust suppression in and around mine areas.
- Information on wind direction and meteorology will be considered while planning, so that pollutants, which cannot be fully suppressed by engineering technique, will be prevented from reaching the nearby agriculture area.
- Comprehensive green belt around overburden dumps has to be carried out to reduce to fugitive dust emissions in order to create clean and healthy environment.

State Level Erwindschip M.P.

Assassment Authority, M.P.

(EPCO)

Paryavaran Parisar

Paryavaran Bhopal (M.P.)

E-5, Arera Colony, Bhopal

Water

- Construction of garland drains to divert surface run-off into the mining area.
- Construction of check dams / gully plugs at strategic places to arrest silt wash off from broken up area.
- Retaining walls with weep hole will be constructed around the mine boundaries to arrest silt wash off.
- The mined out pits shall be converted into the water reservoir at the end of mine life.

 This will help in recharging ground water table by acting as a water harvesting structure.
- Periodic analysis of mine pit water and ground water quality in nearby villages.
- Domestic sewage from site office & urinals/latrines provided in ML is discharged in septic tank followed by soak pits.

Noise

- Periodic maintenance of machinery, equipment shall be ensured to keep the noise generated at minimum.
- Development of thick green belt around mining area and haul roads to reduce the noise.
- Provision of earplugs to workers exposed to high noise generating activities.
 Workers and operators at work site will be provided with earmuffs.
- Conducting periodical medical check-up of all workers for any noise related health problems.
- Proper training to personnel to create awareness about adverse noise level effects.
- Periodic noise monitoring at suitable locations in the mining area and nearby habitations to assess efficacy of adopted control measures.
- During the blasting, optimum spacing, burden and charging of holes will be made under the supervision of competent qualified mines foreman, mate as approved by Director of Mines safety.

State Level Equation Ampact
Assessment Authority, M.P.

(EPCO)

Paryavaran Parisar

E-5, Arera Colony, Bhopal (M.P.)

Land Environment

- Riparian vegetation should be developed that doesn't stress with changes over short period of time.
- · Safety barrier zone should be left out in order to prevent quick sand condition or rapid erosion of river banks.
- · Development of suitable greenbelt in safety and barrier zone
- Waste dumps should be stabilized taking proper measures
- · Degradation of land environment should be checked by briefing the worker about routine works regarding cleanliness and proper mining measures.
- No such infrastructure or any construction should be done that might hinder the natural flow of the river.

Biological Environment

- Development of gap filling saplings in the safety barrier left around the quarry area.
- · Carrying out thick greenbelt with local flora species predominantly with long canopy leaves on the inactive mined out upper benches.
- Development of dense poly-culture plantation using local flora species in the mining area at conceptual stage.
- Adoption of suitable air pollution control measures as suggested above.
- Transport of materials in trucks covered with tarpaulin.
- Construction of garland drains and settling tank to arrest silt wash off from lease area.
- · Construction of retention walls around lower boundary of mining area to arrest silt wash off and roll down boulders.
- Retaining walls with weep hole will be constructed around the mine boundaries to arrest silt wash off.

State Level En Paryavaran Parisar

E-5, Arera Colony, Bhopal (M.P.)

Reclamation of Mined out area

There is no proposal for backfilling, reclamation and rehabilitation. The quarry pit should be fenced by barbed wire to prevent inherent entry of public and cattle. The quarried out pit will be allowed to collect rain and seepage water which act as a reservoir for storage. The Quarried pit may be used as water reservoir for both Domestic and Agriculture purpose, in case of stone mining and inland sand mining. For Rover sand mining, the quarry should be demarcated using pillars and left for replenishment during monsoon season. No mining should be undertaken during monsoon period to avoid accidents and mishaps.

State Level Environment Impact
Assessment Authority, M.P.
(EPCO)
Paryavaran Parisar
E-5, Arera Colony, Bhopal (M.P.)

Details of the area of where there is cluster of mining lease viz no. of mining lease Location

ONO	Table-20 DETAIL OF THE CLUSTER OF MIN Particulars	Cluster Area (Ha.)
	cluster	
1	Shri Nandkishore S/o Ramkishan Sharma	
2	Shri Vyankatesh Timanna S/o Shri Malyaya	
3	Shri Subhash Chandra Jain S/o Rakhabchandra	
4	Shri Pankaj Purohit S/o Shri Bajrang	
5	Shri Ratanlal Kumawat S/o Shri KanhaiyaLal	
6	Shrimati Chenakumari W/o Shri Mahendra	•
7	Shri Subhashchandra Jain S/o Shri Rakhabchadra	
8	Shri Vyankatesh Timanna S/o Shri Malyaya	
	Total Areas	9.100
Bibdou	d cluster	
1	M/S Kamdhenu Stone and Sand, Partner Shri Sanjay Patwala	
2	M/S Kamdhenu Stone and Sand, Partner Shri Sanjay Patwala	
3	M/S Kamdhenu Stone and Sand, Partner Shri Sanjay Patwala	
4	Shri Rishabh Paweja S/o Shri Mahendra Pawecha	
5	Shri Rahul Jaisawal S/o Shri Narendra Kumar	
1.8	Total Areas	15.100
Sanwa	liya-Runddi cluster	20120
1	Shri Kailash Kumawat S/o Shri Girdharilal	
2	Shri Prateek VijayVargiya S/o Shri Sudheer	
3	Shrimati Akansha Vijayvargiya S/o Shri Shashank	
4	Shri Prateek VijayVargiya S/o Shri Sudheer	
5	Shri Bharat Rathod S/o Shri Shyam Sundar	
6	Sayyad Afsaar Ali S/o Wahid Ali	
7	Sayyad Afsaar Ali S/o Wahid Ali	
8	Shri Deepak Tauk S/o Shri Kailash Tauk	
9	Shri Rahul Tauk S/o Shri Kailash Tauk	
	Total Areas	20.300
Sarvai	ni-Khurd cluster	20.000
1	Shri Nandkishore Sharma S/o Shri Ramkishan Sharma,	
2	Shri Pankaj Purohit S/o Shri Bajrang	
3	Shri Girdhari Purohit S/o Shri Lal ji Purohit	
4	Shrimati Megha Sharma W/o Shri Rohan Sharma	
5	Shri Gaurav Jain S/o Shri Ashok ji Jain	
6	Shrimati Poorva Jain W/o Shri Gaurav Jain	
7	Shri Manoharlal Kumawat	
8	Shri Manoharlal Kumawat	
9	Shri Vijay Kumar Jadav S/o Shri DeviLal	
7	Shri Rajmal Kumawat	
	Siiri Kajiilai Kuiiiawat	
10	Total Amaga	15 750
10	Total Areas	15.750
10 Rojan	a cluster	15.750
10 Rojana	a cluster Shri Ramchandra Patidar S/o Shri BadriLal	15.750
10 Rojan	a cluster	State Level Environment In

Paryavaran Parisar E-5, Arera Colony, Bhopal (M.F.)

5	Shri Ramchandra Patidar S/o Shri BadriLal	
6	Shri Aadi Gorecha S/o Shri Ravindra Gorecha	
7	Shri Sanjeev Kumar Jain S/o Shri Chandmal	
8	Shri Sandesh Kumar Jain S/o Shri Chandmal	
	Total Areas	16.096
indu	rkiya cluster	
_1	Shri Khemraj Gurjar S/o Shri Devi Singh	
2	Shri Mahendra Singh Solanki S/o Shri Manohar Singh	
3	Shri Mahendra Singh Solanki S/o Shri Manohar Singh	
	Total Areas	7.450
eevan	-Garh & Mau-Khedi & Khamariya cluster	
1	Shri Sanjay Singh Solanki S/o Shri Ishwar Singh	
2	Shri Ranjeet Dayma S/o Shri Bherulal	
3	Shri Jakiuddin S/o Shri Gulam Jilani	
4	Shri Ranjeet Dayma S/o Shri Bherulal Dayma	
5.	Shri Aasharam Jat S/o Shri Kherai Ramii	*
6	Kumari Minal Solanki S/o Shri Hitendra Singh Solanki	
7	Shri Aabid Khan S/o Aslam Khan	
8	M/S R. K. Stone Crusher	
	Partner: Shri Asif Khan S/o Aslam Khan, and	
	Shri Abid Khan S/o Aslam Khan	
9	Shri Wasim Khan	
	S/o Shri Aslam Khan	
	Total Areas	17.00
atitu	de and longitude of above mines are provided in chapter – 3	2.000

State Level Engenment Impact
Assessment Authority, M.P.
(EPCO)
Paryavaran Parisar
E-5, Arera Colony, Bhopal (M.P.)

Formation of sand

Majority of rivers originate from mountains and as they continue their journey with force, through these mountains, the bigger rocks and boulders disintegrate slowly, and over a period of time, starts rolling down as fragments. These fragments become smaller and smaller due to weathering process by water, wind and other rocks. Thus, developed sand particles are transported, washed and stored and again transported during floods and deposited at river beds and largely on river shores. In case the sand deposits are mined / removed, cavities are formed in their place and again filled during next cycle(s) of deposition.

River sand is preferred as a source of sand because of the following factors:

- Cities tend to be located near rivers so transport costs are low, the energy in a river grinds rocks into gravels and sands,
- Eliminating the costly step of mining, grinding, and sorting of rocks
- The material produced by rivers tends to consist of resilient minerals of angular shape that are preferred for construction.
- Also, offer the advantages of being naturally sorted by grain-size, easily accessible, and able to be transported inexpensively using barges. Despite plentiful supplies of desert sand (Aeolian) which produce materials unsuitable for making concrete.

A meandering stream has a single channel that wind snakelike through its valley. As water flows around these curves, the outer edge of water is moving faster than the inner edge. This creates an erosion surface on the outer edge (a cut bank) and a depositional surface on the inner edge (a point bar). Where the bends of two meanders meet, they bypass the curve of river, creating an oxbow lake which may then be in-filled with over wash sediment.

Meanders change position by eroding sideways and slightly downstream. The sideways movement occurs because the maximum velocity of the stream shifts toward the outside of the bend, causing erosion of the outer bank. At the same time the reduced current at the inside of the meander results in the deposition of coarse sediment, especially sand. Thus by eroding its outer bank and depositing material along its inner bank, a stream moves sideways without changing its channel size. Due to the slope of the channel, erosion is more effective on the downstream side of a meander.

Paryavaran Parisar E-5, Arera Colony, Bhopal (M.P.) The specific gravity of an aggregate is considered as the measure of strength or quality of the material. Specific gravity is defined as the ratio of weight of a given volume of aggregate to the weight of equal volume of water. Aggregates having low specific gravity are generally weaker than those with aggregates having high specific gravity. This property helps in a general identification of aggregates. The specific gravity of (sand) is considered to be around 2.65 to 2.67. Sand particles composed of quartz have a specific gravity between 2.65 to 2.67. While inorganic clays generally range from 2.70 to 2.80. Soils with large amounts of organic matter or porous particles have specific gravity below 2.60 (Some range as low as 2.00).

Sources of sand

Sand is world's second most consumed natural resource after water. Rapid urbanization and global population growth have created unbound demand for this limited natural resource. With urbanization as key driving factor, construction industry has expanded considerably over the last few decades leading to overuse of river sand for construction purposes. This increasing discrepancy between the need for aggregates in the society and scarcity of natural sand due to exhaustion of resources and environmental considerations, has urged concrete manufacturers to look for a suitable and sustainable alternative fine aggregate. The economical and ecological alternative is manufactured sand.

Natural Sources

Natural sand is produced by natural forces, such as river sand and sea sand. Generally, sand found at foot of mountains is more weathered, containing more mud, organic impurities and light substances. Sea sand often contains shells and other impurities, and its components such as the chlorine, sulfate and magnesium salts may cause corrosion of steel bars. All the components will affect the performance of concrete. Sources of sand can be river bed material, de-siltation pits in reservoirs/dams, agricultural land etc. these can be broadly classifies as:

Following are the natural types of the sand:

Pit Sand

This sand is found as deposits in soil and it is obtained by forming pits into soils. It is excavated from a depth of about 1 m to 2 m from ground level. The pit sand consists of sharp angular grains which are free from salts and it proves to be excellent material for mortar or concrete work. For making mortar, the clean pit sand free from organic matter and clay should only be used.

Paryawan Parisar 5, Arera Xolder Bhopal (M.P.)

• River Sand

This sand is obtained from banks or beds of rivers. The river sand consists of fine rounded grains probably due to mutual attrition under the action of water current. The colour of river sand is almost white. As river sand is usually available in clean condition, it is widely used for all purposes.

Sea Sand

This sand is obtained from sea shores. The sea sand, like river sand, consists of fine rounded grains. The colour of sea sand is light brown. The sea sand contains salts. These salts attract moisture from the atmosphere. Such absorption causes dampness, efflorescence and disintegration of work. The sea sand also retards the setting action of cement. Due to all such reasons, it is the general rule to avoid the use of sea sand for engineering purposes except for filling of basement, etc. It can however be used as a local material after being thoroughly washed to remove the salt.

Manufactured Sand

Manufactured sand (M-Sand) is artificial sand produced from crushing hard stones into small sand sized angular shaped particles (rock particles with a particle size of less than 4.75 mm and is made by artificial crushing and sieving after soil removal treatment), washed and finely graded to be used as construction aggregate. It is a superior alternative to River Sand for construction purpose. The main technical indicators of artificial sand are particle gradation, fineness modulus, stone powder content, void ratio, apparent density, bulk density, methylene blue value (MB), crushing value index, mica content, light-matter content, etc.

State Level E Vir Bony, M. P.)

Assessment (EPGON, M.P.)

Paryavaran Parisar

Paryavaran Bhopal (M.P.)

E-5, Arera Colony, Bhopal

Sand Mining

Sand Mining is an activity referring to the process of the removal of sand from rivers, streams and lakes.

- Sand is mined from beaches and dredged from river beds.
- There are no official figures for the amount of sand mined illegally, but in 2015-16, there were over 19,000 cases of illegal mining of minor minerals, which include sand, in the country.
- To stop illegal mining, the Ministry of Environment, Forest and Climate Change (MoEF) issued Enforcement and Monitoring Guidelines for Sand mining.
- These guidelines focus on the effective monitoring of the sand mining.

Following considerations shall be kept in mind for sand mining:

- Parts of the river reach that experience deposition or aggradations shall be identified. The Leaseholder/ Environmental Clearance holder may be allowed to extract the sand and gravel deposit in these locations to manage aggradations problem.
- Sand and gravel may be extracted across the entire active channel during the dry season.
- Abandoned stream channels on the terrace and inactive floodplains are to be preferred rather than active channels and their deltas and flood plains. The stream should not be diverted to form the inactive channel.
- Layers of sand which could be removed from the river bed shall depend on the width of the river and replenishment rate of the river.
- Sand shall not be allowed to be extracted where erosion may occur, such as at the concave bank.
- Segments of the braided river system should be used preferably falling within the lateral migration area of the river regime that enhances the feasibility of sediment replenishment.
- Sand and gravel shall not be extracted up to a distance of 1 kilometre (1 km) from major bridges and highways on both sides, or five times (5x) of the span (x) of a bridge/public civil structure (including water intake points) on up-stream side and ten times (10x) the span of such bridge on down-stream side, subjected to a



minimum of 250 meters on the upstream side and 500 meters on the downstream side.

- Sand and gravel could be extracted from the downstream of the sand bar at river bends. Retaining the upstream one to two-thirds of the bar and riparian vegetation is accepted as a method to promote channel stability.
- The flood discharge capacity of the river could be maintained in areas where there is a significant flood hazard to existing structures or infrastructure. Sand and gravel mining may be allowed to maintain the natural flow capacity based on surveyed cross-section history. Alternatively, off-channel or floodplain extraction is recommended to allow rivers to replenish the quantity taken out during mining.
- The Piedmont Zone (Bhabhar area) particularly in the Himalayan foothills, where riverbed material is mined, and this sandy-gravelly track constitute excellent conduits and hold the greater potential for groundwater recharge. Mining in such areas should be preferred in locations selected away from the channel bank stretches.
- Mining depth should be restricted to 3 meters and distance from the bank should be ½thor river width and should not be less than 7.5 meters.
- Demarcation of mining area with pillars and geo-referencing should be done prior to the start of mining.
- A buffer distance/un-mined block of 50 meters after every block of 1000 meters over which mining is undertaken or at such distance as may be the directed/prescribed by the regulatory authority shall be maintained.
- River bed sand mining shall be restricted within the central 3/4th width of the river/rivulet or 7.5 meters (inward) from river banks but up to 10% of the width of the river, as the case may be and decided by regulatory authority while granting environmental clearance in consultation with irrigation department. Regulating authority while regulating the zone of river bed mining shall ensure that the objective to minimize the effects of riverbank erosion and consequential channel migration are achieved to the extent possible. In general, the area for removal of minerals shall not exceed 60% of the mine lease area, and any deviation or relaxation in this regard shall be adequately supported by the scientific report.

Paryavaran Parisal (M.P.) E-5, Arera Colony, Shopal (M.P.)

- The mining from the area outside river bed shall be permitted subject to the condition that a safety margin of two meters (2 m) shall be maintained above the groundwater table while undertaking mining and no mining operation shall be permissible below this level unless specific permission is obtained from the Competent Authority. Further, the mining should not exceed nine-meter (9 m) at any point in time.
- The permanent boundary pillars need to be erected after identification of an area
 of aggradations and deposition outside the bank of the river at a safe location for
 future surveying. The distance between boundary pillars on each side of the bank
 shall not be more than 100 meters.

State Level Environment Impact Assessment Authority, M.P. (EPCO)

Paryavaran Parisar E-5, Arera Colony, Bhopal (M.P.)

Outside Curve Erosion ncreased Valocity Conducive Areas for sand deposition Outside Curve Erosion Outside Curve Erosion ncreased Velocity nicent Impact State Level Envi Assessment Authority, M.P.
(EPCO)
Paryavaran Parisar
E-5, Arera Colony, Bhopal (M.P.)

Table 21 Portion of the River or Stream Recommended for Minral Concession Area in District

	14 Umariya (Tehs	153, A														
Total	Umariya (Tehsil Bajna, Survey No. 01, Area 7.54 Ha)	Laxmipura (Tehsil Alot, Survey No. 153, Area 8.00 Ha)		Nimbakhedi (Tehsil Tal, Survey No. 240, Area 8.00 Ha)	Fatchpur (Tehsil Tal, Survey No. 90,242, Area 16.00 Ha) imbakhedi (Tehsil Tal, Survey No. 240, Area 8.00 Ha)	Melukhedi (Tehsil Tal, Survey No. 01,110, Area 8.00 Ha) Fatchpur (Tehsil Tal, Survey No. 90,242, Area 16.00 Ha) Nimbakhedi (Tehsil Tal, Survey No. 240, Area 8.00 Ha)	Gondi Shankar (Tehsil Jaora, Survey No. 701, Area 10.00 Ha) Melukhedi (Tehsil Tal, Survey No. 01,110, Area 8.00 Ha) Fatehpur (Tehsil Tal, Survey No. 90,242, Area 16.00 Ha) Nimbakhedi (Tehsil Tal, Survey No. 240, Area 8.00 Ha)	Badodiya (Tehsil Jaora, Survey No. 126, Area 6.00 Ha) Gondi Shankar (Tehsil Jaora, Survey No. 701, Area 10.00 Ha) Melukhedi (Tehsil Tal, Survey No. 01,110, Area 8.00 Ha) Fatchpur (Tehsil Tal, Survey No. 90,242, Area 16.00 Ha) Nimbakhedi (Tehsil Tal, Survey No. 240, Area 8.00 Ha)	Bhanpur (Tehsil Jaora, Survey No. 289, Area 6.00 Ha) Badodiya (Tehsil Jaora, Survey No. 126, Area 6.00 Ha) londi Shankar (Tehsil Jaora, Survey No. 701, Area 10.00 Ha) Melukhedi (Tehsil Tal, Survey No. 01,110, Area 8.00 Ha) Fatehpur (Tehsil Tal, Survey No. 90,242, Area 16.00 Ha) Iimbakhedi (Tehsil Tal, Survey No. 240, Area 8.00 Ha)	Rafu Khedi (Tehsil Jaora, Survey No. 241, Area 8.00 Ha) Bhanpur (Tehsil Jaora, Survey No. 289, Area 6.00 Ha) Badodiya (Tehsil Jaora, Survey No. 126, Area 6.00 Ha) Gondi Shankar (Tehsil Jaora, Survey No. 701, Area 10.00 Ha) Melukhedi (Tehsil Tal, Survey No. 01,110, Area 8.00 Ha) Fatehpur (Tehsil Tal, Survey No. 90,242, Area 16.00 Ha) Nimbakhedi (Tehsil Tal, Survey No. 240, Area 8.00 Ha)	Rhojan Kheda (Tehsil Jaora, Survey No. 02, Area 6.00 Ha) Rafu Khedi (Tehsil Jaora, Survey No. 24J, Area 8.00 Ha) Bhanpur (Tehsil Jaora, Survey No. 289, Area 6.00 Ha) Badodiya (Tehsil Jaora, Survey No. 126, Area 6.00 Ha) Condi Shankar (Tehsil Jaora, Survey No. 701, Area 10.00 Ha) Melukhedi (Tehsil Tal, Survey No. 01,110, Area 8.00 Ha) Fatchpur (Tehsil Tal, Survey No. 90,242, Area 16.00 Ha) Nimbakhedi (Tehsil Tal, Survey No. 240, Area 8.00 Ha)	Karan Khedi (Tehsil Jaora, Survey No. 126, Area 1.70 Ha) Khojan Kheda (Tehsil Jaora, Survey No. 02, Area 6.00 Ha) afu Khedi (Tehsil Jaora, Survey No. 241, Area 8.00 Ha) Bhanpur (Tehsil Jaora, Survey No. 289, Area 6.00 Ha) Badodiya (Tehsil Jaora, Survey No. 126, Area 6.00 Ha) ondi Shankar (Tehsil Jaora, Survey No. 701, Area 10.00 Ha) Melukhedi (Tehsil Tal, Survey No. 90,242, Area 16.00 Ha) Fatehpur (Tehsil Tal, Survey No. 90,242, Area 16.00 Ha) limbakhedi (Tehsil Tal, Survey No. 240, Area 8.00 Ha)	Uni (Tehsil Jaora, Survey No. 235, Area 5.00 Ha) Karan Khedi (Tehsil Jaora, Survey No. 126, Area 1.70 Ha) Khojan Kheda (Tehsil Jaora, Survey No. 02, Area 6.00 Ha) afu Khedi (Tehsil Jaora, Survey No. 241, Area 8.00 Ha) Bhanpur (Tehsil Jaora, Survey No. 289, Area 6.00 Ha) Badodiya (Tehsil Jaora, Survey No. 126, Area 6.00 Ha) adodiya (Tehsil Jaora, Survey No. 126, Area 6.00 Ha) Melukhedi (Tehsil Tal, Survey No. 01,110, Area 8.00 Ha) Fatehpur (Tehsil Tal, Survey No. 90,242, Area 16.00 Ha) Fatehpur (Tehsil Tal, Survey No. 240, Area 8.00 Ha)	Bahadurpur Jagir (Tehsil Jaora, Survey No. 375, Area 3.00 Ha) ini (Tehsil Jaora, Survey No. 235, Area 5.00 Ha) aran Khedi (Tehsil Jaora, Survey No. 126, Area 1.70 Ha) iojan Kheda (Tehsil Jaora, Survey No. 0.22, Area 6.00 Ha) fu Khedi (Tehsil Jaora, Survey No. 241, Area 8.00 Ha) hanpur (Tehsil Jaora, Survey No. 126, Area 6.00 Ha) adodiya (Tehsil Jaora, Survey No. 126, Area 6.00 Ha) adodiya (Tehsil Jaora, Survey No. 126, Area 6.00 Ha) indi Shankar (Tehsil Jaora, Survey No. 01,110, Area 10.00 Ha) elukhedi (Tehsil Tal, Survey No. 01,110, Area 8.00 Ha) atehpur (Tehsil Tal, Survey No. 90,242, Area 16.00 Ha) mbakhedi (Tehsil Tal, Survey No. 240, Area 8.00 Ha)	Kitu Khedi (Tehsil Jaora, Survey Nö. 132, Area 5.00 Ha) Bahadurpur Jagir (Tehsil Jaora, Survey No. 375, Area 3.00 Ha) Uni (Tehsil Jaora, Survey No. 235, Area 5.00 Ha) Karan Khedi (Tehsil Jaora, Survey No. 126, Area 1.70 Ha) Khojan Kheda (Tehsil Jaora, Survey No. 02, Area 6.00 Ha) Rafu Khedi (Tehsil Jaora, Survey No. 241, Area 8.00 Ha) Bhanpur (Tehsil Jaora, Survey No. 126, Area 6.00 Ha) Badodiya (Tehsil Jaora, Survey No. 126, Area 6.00 Ha) Gondi Shankar (Tehsil Jaora, Survey No. 01,110, Area 8.00 Ha) Melukhedi (Tehsil Tal, Survey No. 01,110, Area 8.00 Ha) Fatchpur (Tehsil Tal, Survey No. 90,242, Area 16.00 Ha) Nimbakhedi (Tehsil Tal, Survey No. 240, Area 8.00 Ha)	(Tehsil Jaora, Survey No. 2, Area 5.00 Ha) Jaora, Survey No. 235, Area 3.00 Ha) Jaora, Survey No. 235, Area 5.00 Ha) Jaora, Survey No. 235, Area 6.00 Ha) Tehsil Jaora, Survey No. 2, Area 6.00 Ha) Tehsil Jaora, Survey No. 2, Area 6.00 Ha) Tehsil Jaora, Survey No. 2, Area 6.00 Ha) Tehsil Jaora, Survey No. 3, Area 6.00 Ha) Tehsil Tal, Survey No. 3, Area 6.00 Ha) Tehsil Tal, Survey No. 3, Area 8.00 Ha) Tehsil Tal, Survey No. 4, Area 8.00 Ha) Tehsil Tal, Survey No. 5, Area 8.00 Ha) Tehsil Tal, Survey No. 6, Area 8.00 Ha)
11.289	0.9	0.8		0.9	0.9	0.810	0.810 0.9	0.764 1.2 0.810 1.4	0.600 0.764 1.2 0.810 1.4	0.950 0.600 0.764 1.2 0.810 0.9	1.2 0.950 0.600 0.764 1.2 0.810 0.9	0.480 1.2 0.950 0.600 0.764 1.2 0.810	0.500 0.480 1.2 0.950 0.600 0.764 1.2 1.4	0.370 0.500 0.480 0.480 0.950 0.600 0.600 0.764 1.2 1.4 1.4	0.415 0.370 0.500 0.480 1.2 1.2 0.764 1.2 1.4	concession (in kilo meter) 0.415 0.370 0.500 0.480 1.2 1.2 0.764 1.4 1.4 0.9
1230	84	100		90	90	115	100 115 90	80 100 115	80 83 100 115	85 100 80 83 115	50 85 100 80 83 115	35 50 85 100 80 83 115	100 35 50 85 80 80 80 100 115	88 100 35 50 88 80 80 80 100 115	88 100 100 35 35 80 80 80 100 115	conce
7	0.5	0.5		0.5	0.5	0.5	0.5 0.5 0.5	0.5 0.5 0.5	0.5 0.5 0.5 0.5	0.5 0.5 0.5 0.5 0.5	0.5 0.5 0.5 0.5 0.5	0.5 0.5 0.5 0.5 0.5	0.5 0.5 0.5 0.5 0.5 0.5	0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5
504815	37800	40000		40500	80500 40500	40500 80500 40500	40500 40500 40500	30560 60000 40500 80500	30000 30560 60000 40500 40500	40375 30000 30560 60000 40500 40500	30000 40375 30000 30560 60000 40500 40500	30000 40375 30000 30560 30560 40500 40500	25000 8400 30000 40375 30000 30560 60000 40500	16280 25000 8400 30000 30000 30560 30560 40500 40500	24900 16280 25000 8400 30000 40375 30560 60000 40500	24900 16280 25000 30000 30000 40375 40500 40500
424044.6	31752	33600	0.1020	34020	67620	34020 67620	50400 34020 67620	25670.4 50400 34020 67620	25200 25670.4 50400 34020 67620	33915 25200 25670.4 50400 34020 67620	25200 33915 25200 25670.4 50400 34020 67620	7056 25200 33915 25200 25670.4 50400 34020 34020	21000 7056 25200 25200 25200 25670.4 50400 34020	13675.2 21000 7056 25200 33915 25670.4 50400 34020 34020	20916 13675.2 21000 7056 25200 25200 25200 25670.4 50400 34020 34020	mineral potential) = Volume x 60/100 20916 13675.2 21000 7056 25200 25200 33915 34020 34020 34020
10696	0	0	0		0	0 0	0 0 0	0 0 0	0 0 0 0	0 0 0 0 0	2296 0 0	0 0 0 0	0 0 0	4200 0 0 0 2296 0 0	4200 4200 0 0 0 0 0	2019-20 4200 0 0 0 2296 0 0 0 0
10696	0	0	0		0	0 0	0 0 0	0 0 0	0 0 0 0	0 0 0 0 0	2296 0 0	0 2296 0 0	0 0 2296 0 0	4200 0 0 2296 0 0	4200 4200 0 0 2296 2296 0 0	2020-21 4200 0 0 0 2296 0 0 0 0
	0	0	0		0	0 0	0 0	0 0 0	0 0 0 0	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0			2021-22 0 0 0 0
	ı	1		ı		1										

State Level Environment Impact Assessmentathonty, M.P.

0,0,0,0,0,0,0

Methodology Adopted for Calculating of Mineral Potential

As per the policy of the State and location, depth of minable mineral is defined. The area for removal of mineral in a river or stream can constituents like clay and silt are excluded as waste while calculating the mineral potential of particular river/ stream. be decided depending on geomorphology and other factors, it can be 50% to 60% of the area of a particular river/stream. Other The mineral potential is calculated based on field investigation and geology of the catchment area of the river/ streams.

gravity is taken as 2.25. The percent of mineral constituent like boulder, river Bajri, and sand also varies for different river and streams. While calculating mineral potential, the percentage for each mineral constituent is 25-30% for sand and 5-10% for silt and clay. The specific gravity of each mineral constituent is different. While calculating the mineral potential, the average specific

river profile and geomorphology of the river course. There are certain geomorphological features developed in the river beds such as channel bar, point bar etc. where annual deposition is more even two to three meters. The quantum of deposition varies from stream to stream depending upon factors like catchment lithology, discharge,

State Level Egypnment impact
Assessment enthority, M.P.
(EPC)
Paryavaran Esopal (M.P.)

Sand Replenishment Plan and Projections

23.1 Sand Replenishment Assessment

The process of sand replenishment is highly dependent upon the rainfall received in the catchment areas of rivers and their tributaries and velocity of river. It is a dynamic process. Thus it is difficult to predict, what quantity of sand may be reclaimed/ replenished by river. Because, in case of less rain, less water in the river, there may be less erosion and transportation may also be minimal and as a result deposition too will be less. Moreover, in case of floods, the sudden gush of water may force the change in river course, thus old sites of sand deposition may not be relevant. Thus, the above figures may just be a mere prediction, based on the production in the preceding years. More so, practically, it is not possible that in such a short period, single person can visit each spot within the district and determine how much quantity of sand may be replenished every year. The data narrated in the report, regarding annual deposition of sand and associated aggregates and minable mineral potential is concerned, is only an estimation based on the production data provided by the district mining office. Thus, the figures may vary from area to area and year on year basis. Therefore, this document is not a static one but have to be a dynamic one, the figures of which may vary with respect to the area under question for which the prior environmental clearance will be sought.

In order to establish a safe extraction limit, such that the extracted sand gets replenished annually, a replenishment study is to be carried out. For this purpose, the river bed RL at selected points in the dry portion of riverbed will be measured during pre-monsoon period and again during post- monsoon period in order to assess the annual quantum of sand deposition. If it is observed that, there is an average increase in riverbed RL, it shows that it is due to deposition of sand during the monsoon flow of the river and by multiplying it with the area of lease one can measure the quantity of sand replenished every year.

Sand quarrying from the river bed will have both positive and negative impacts.

NEGATIVE IMPACTS

It includes destruction of natural river course, sand erosion, bank erosion, bank cutting and widening and deepening of river bed, change in hydrological status and recharging conditions and destruction to closely linked flora, fauna and aquatic life.

Assessment Authority, M.P.

Paryavaran Parisar E-5, Areta Colony, Bhops! (M.C.)

POSITIVE IMPACTS

Employment and socio-economic status of the habitats living besides the river depends on sand mining industries. Construction of concrete infrastructure, roads and some other related activities depends on the river bed sand. Continuous accumulation of sand ultimately leads to the reduction in water carrying capacity of the river leading excessive flood in the river. Sustainable extraction of sand from river will lead to overcoming the problem.

Initially replenishment study requires four surveys. The first survey needs to be carried out in the month of April for recording the level of mining lease before the monsoon. The second survey is at the time of closing of mines for monsoon season. This survey will provide the quantity of the material excavated before the offset of monsoon. The third survey needs to be carried out after the monsoon to know the quantum of material deposited/replenished in the mining lease. The fourth survey at the end of March to know the quantity of material excavated during the financial year. For the subsequent years, there will be a requirement of only three surveys. The results of year-wise surveys help the state government to establish the replenishment rate of the river. Based on the replenishment rate future auction may be planned. The replenishment period may vary on nature of the channel and season of deposition arising due to variation in the flow. Such period and season may vary on the geographical and precipitation characteristic of the region and requires to be defined by the local agencies preferable with the help of the Central Water Commission and Indian Meteorological Department. The excavation will, therefore, be limited to estimated replenishment estimated with consideration of other regulatory provisions.

State Level Anvirorment Impact
Assessment Authority, M.P.
(EPCO)

Paryavaran Parisar E-5, Arera Colony, Bhopal (M.P.)

23.2 Need for Sand Replenishment Study and Factorstobe considered

Environmental status of the mined out area may be affected badly if proper care is not taken to ensure sustainable extraction of sand from river bed. Proper study of the following factors must be taken into consideration to reveal the actual potential of sand deposition in river course after completion of periodical excavation annually. The main factors to be considered for the study of the replenishment potential of particular river course are:

Formation of sand comprises of the following:

- Catchment area and geographical strata
- Erosion, weathering and transportation of load
- Climatic conditions, precipitation
- Geomorphology, physiographic manmade structures and activity details

Deposition/sedimentation of material or sediment yield depends upon several factors like:

- Catchment area
- Span of river/ flood plain
- Travelling distance of suspended particles
- Slope/gradient/ depth of water channel;/meandering of river
- Geology traversed
- Climatic conditions
- Tributaries/ confluence
- Type/ stage of river and flow velocity
- Flow during lean period

State Level Exympment Impact Assessment Authority, M.P.

Paryavaran Parisar E-5, Arera Colony, Bhogai (M. h.s.

REPLENISHMENT STUDY FOR YEAR 2020

													22	
		*			*/		Ratlam						D)	Name of District
		P					01 July							date of onset of monsoon
		500					01 october							Normal date of offset of monscon
Mahi	Shipra	Chambal	Chambal	Chambal	Maleni	Maleni	Chambal	Maleni	Maleni	Maleni	Chambal	Maleni	Chambal	Name of river
Umariya	Laxmipura	Nimbakhedi	Fatehpur	Melukhedi (Arwas)	Gondi Shankar	Badodiya	Bhanpur (Nimbodiya)	Rafu Khedi	Khojan Kheda	Karan Khedi	Uni	Bahadurpur Jagir	Kitu Khedi	Name of Mine
750	700	800	1600	1600	1200	750	600	950	750 -	230	500	350	500	Length of sand mine (in meter)
100	120	100	100	100	83	80	100	85	80	80	100	85	100	Width of sand mine (in meter)
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	1.0	1.0	1.0	1.0	Average depth of sand mine (in meter)
73000	79000	78000	157000	155000	96600	58000	58000	78750	28000	15400	48000	24750	48000	Pre-monsoon quantity of sediment load (in cum.)
75000	84000	80000	160000	160000	99600	60000	60000	80750	30000	18400	50000	29750	50000	monsoon quantity of sediment load (in cum.)
2000	5000	2000	3000	5000	3000	2000	2000	2000	2000	3000	2000	5000	2000	quantity of production per annum (in cum.)
Nii	Nil	IIN	Nil	Nil	Nii	Nil	Nil	IIN	2018-19-Nii 2019-20-1640 2020-21-1640	Nil	Nil	2018-19-Nil 2019-20-3000 2020-21-3000	2018-19-Nil 2019-20-3000 2020-21-3000	Quantity of sand mineral produced per annum since last three years (in cum.)

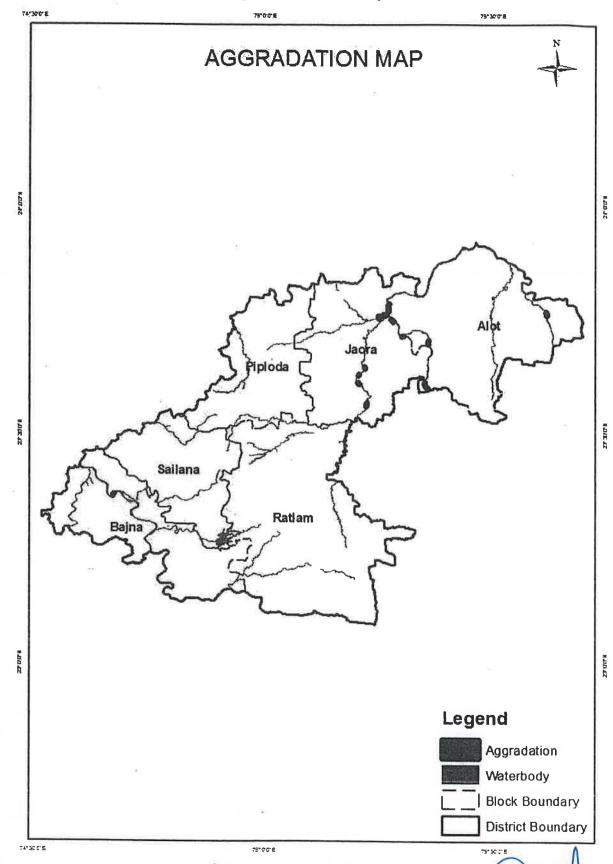
State Level Environment impact Assessment Authority, M.P. Paryawar Authority, M.P. E-5, Arera Colon, Epopal (M.P.)

REPLENISHMENT STUDY FOR YEAR 2021

	Ratlam										of District			
	01 July											onset of monsoon		
	. 1	-	-		,			01 october						offset of monsoon
Mahi	Shipra	Chambal	Chambal	Chambal	Maleni	Maleni	Chambal	Maleni	Maleni	Maleni	Chambal	Maleni	Chambai	Name of river
Umariya	Laxmipura	Nimbakhedi	Fatehpur	Melukhedi (Arwas)	Gondi Shankar	Badodiya	Bhanpur (Nimbodiya)	Rafu Khedi	Khojan Kheda	Karan Khedi	Uni	Bahadurpur Jagir	Kitu Khedi	Name of Mine
750	700	800	1600	1600	1200	750	600	950	750	230	500	350	500	sand mine (in meter)
100	120	100	100	100	83	80	100	85	80	80	100	85	100	sand mine (in meter)
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	1.0	1.0	1.0	1.0	depth of sand mine (in meter)
00052 Shopedone, Shopedone,	79000	78000	157000	155000	96600	58000	58000	78750	28000	15400	48000	24750	48000	quantity of sediment load (in cum.)
75000 00057	84000	80000	160000	160000	99600	60000	60000	80750	30000	18400	50000	29750	50000	monsoon quantity of sediment load (in cum.)
2000	5000	2000	3000	5000	3000	2000	2000	2000	2000	3000	2000	5000	2000	rquantity of production per annum (in cum.)
Z	Zi:	Zii	Nii Nii	Nil	Z	NI I	Nil	Nil	2018-19-Nil 2019-20-1640 2020-21-1640	Ni.	Zii	2018-19 Nii 2019-20 3000 2020-21	2018- 19-Nil 2019-2 0-3000 2020-2 1-3000	mineral produced per annum since last three years (in cum.)

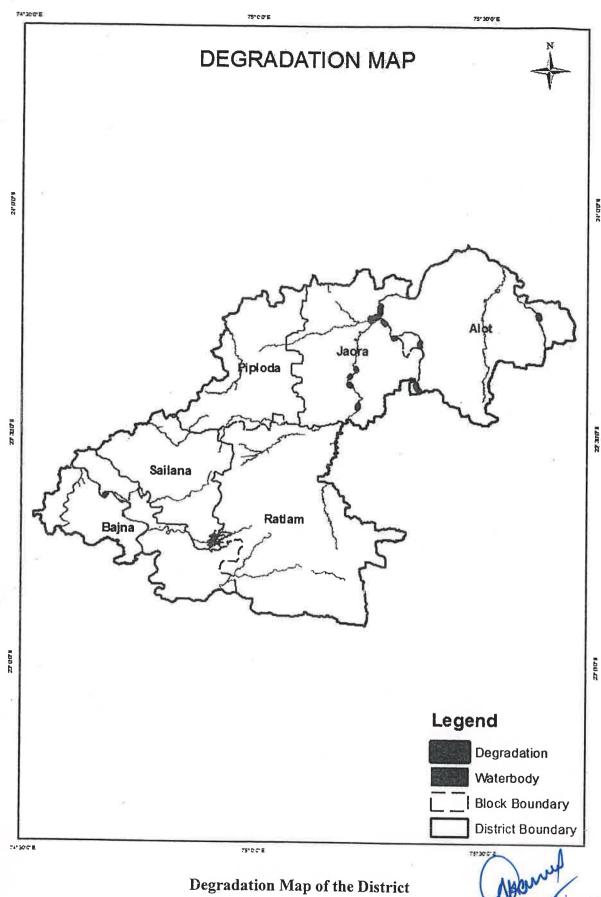
State Level Englowment Impact Assessment thority, M.P.

23.3 Aggradations and Degradation Study



Aggradations Map of the District

State Leve Environment Impact
Assessment Authority, M.P.
(EPCO)
Paryavaran Parisar
E-5, Arera Coiony, Bhopal (M.P.)



State Level Sovironment impact Assessment Authority, M.P. (EPCO)

Paryavaran Parisar E-5, Arera Colony, Bhopal (M.P.)

Assass and Authority, M.P.
Parval Tran Parisar
E-5, Arera Solony, Bhopal Man.

Table 22 Block Wise Details of Aggradations and Degradations

		Degradation (Pre-Monsoon)	e-Monsoon)	200	Aggra	Aggradations (Post-Monsoon)	on)
Sr. No.	Block Name	Total Area in sqm	Standard Depth After Aggredation 3m	Sand Quantity in Cu. M	Total Area in sqm	Standard Depth After Degredation 0.5m	Sand Quantity in Cu. M
	Jaora	5,08,500	ω	23,000	5,08,500	0.5	30,000
2.	Tal	4,00,000	3	10,000	4,00,000	0.5	15,250
3.	Alot	84,000	3	5,000	84,000	0.5	8,000
.4	Bajna	75,000	3	2,000	75,000	0.5	3,500

whereas the areas facing severe degradation are to be left out and should be left undisturbed. Mining should not be allowed at such location. plan, the areas of prohibition for mining can be found out. The areas facing aggregation are possible and promising areas for mining of sand Based on the study presented above about aggregation & degradation and the specific studies for each mine during the preparation of mining

Table 23 Drainage System with description of main Rivers

2	1	S. NO.
Mahi River	Chambal River	Name of the River
4,633 sqkm	12,636 sqkm	Area Drained
1,759 sqkm	3,034sqkm	Area Drained in the District

Table 24 Salient Features of Important Rivers and Streams

1	Range)	OZ NIII	Man Kiver	٨
442 m	Minda Village, Dhar (Vindhayn	50 km	Maki Disas	o
456 m	Janapav (Village Vindhayn Range)	69 km	Chambal River	1
157				
	i i	District (in km)	Stream	o. No.
Altitude at origin	Place of Origin	Total Length in the	Name of the River or	

Table 25 Details of the Concession area in the District

State Level Equiro) ment impact Assessme

00.0	0000	40	0.5	Laxmipura	Shipra Kiver
2002	6000	à		Badodiya, Rafu Khedi	ð
18404.16	21400	195	1.08	Bahadurpur Jagir, Karan Khedi Khoian Kheda	Maleni River
5922	7000	40	0.35	Umariya	Mahi River
				Bhanpur, Gondi Shankar, Melukhedi, Fatehpur, Nimbakhedi	
34474	40750	300	1.9	Kitu Khedi, Uni,	Chambal River
potential per metre depth (in M3 (60 % of total mineral potential)	Area recommended for mineral concession (in M 2)	Average width of area recommended for mineral cocession (in meters)	Length of area recommended for mineral cocession (in kilometers)	Portion of the River or Stream Recommended for Mineral Concession	Name of River or Stream recommended for mineral concession

Risk Assessment & Disaster Management Plan:

The Disaster Management Plan (DMP) is supposed to be a dynamic, changing, document focusing on continual improvement of emergency response planning and arrangements.

The disaster management plan is aimed to ensure safety of life, protection of environment, protection of installation, restoration of production and salvage operations in this same order of priorities. For effective implementation of the disaster management plan, it should be widely circulated and personnel training through rehearsals/induction conducted by the respective department from time to time.

General Responsibilities during an Emergency

During an emergency, it becomes more enhanced and pronounced when an emergency warning is raised, the workers in-charge, should adopt safe and emergency shut down and attend any prescribed duty as essential employee. If no such responsibility is assigned, he should adopt a safe course to assembly point and await instructions. He should not resort to spread panic. On the other hand, he must assist emergency personnel towards objectives of DMP.

Co-ordination with Local Authorities

The mine manager who is responsible for emergency will always keep a jeep ready at site. In case any eventualities the victim will be taken to the nearby hospitals after carrying out the first aid at site. A certified first aid certificate holder will be responsible tocarry out the first aid at site. The mine manager should collect and have adequate information of the nearby hospitals, fire station, police station, village Panchayat heads, taxi stands, medical shop, district revenue authorities etc., and use them efficiently during the case of emergency.

Disaster Management Plan

The objectives of DMP are to describe the company's emergency preparedness, organization, the resource availability and response actions applicable to deal with various types of situations that can occur at mines in shortest possible time.

Thus, the overall objectives of the emergency plan are summarized as: -

- Rapid control and containment of Hazardous situation
- Minimum the risk and impact of event/ accident

as:
State Leve Comment Impact

Assessment authority, M.P.

Paryavaran Parisat

Paryavaran Phopal (M.P.)

E-5, Arera Colony, Bhopal

- Effective prevention of damage to property.
- In order to achieve effectively the objectives of emergency planning, the critical elements that form the backbone of Disaster Management Plan (DMP) are: -
- Reliable and early detection of an emergency and immediate careful planning.
- The command, co-ordination and response organization structure along with availability of efficient trained personnel.
- The availability of resources for handling emergencies.
- Appropriate emergency response action.
- Effective notification and communication facilities.
- Regular review and updating DMP.
- Training of the concerned personnel.
- Steps taken for minimizing the effects may include rescue operations, first aid, evacuation, rehabilitation and communicating promptly to people living nearby.

Mining and allied activities are associated with several potential hazards to both the employees and the public at large. A worker in a mine will be able to work under conditions, which are adequately safe and healthy. At the same time the environmental conditions also will not impair his working efficiency. This is possible only when there is adequate safety in mines. Hence mine safety is one of the most essential aspects of any working mine. The safety of the mine and the employees is taken care of by the Mines Act 1952, which is well defined with laid down procedure to ensure safety and constantly monitored and supervised by Directorate General of Mines Safety and Department of Mines, State Government.

> State Level 5 Assessment Authority, M.P. Paryavaran Parisar

E-5, Arera Colony, Bhopal (M.P.)

Details of the Occupational Health issues in the

District:

Open cast method involves dust generation by excavation, loading and transportation of mineral. At site, during excavation and loading activity, dust is main pollutant which affects the health of workers whereas environmental and climatic conditions also generate the health problems. Addressing the occupational health hazard means gaining an understanding of the source (its location and magnitude or concentration), identifying an exposure pathway (e.g., a means to get it in contact with someone), and determination of likely a receptor (someone receiving the stuff that is migrating).

Occupational hazard due to open cast mining mainly comes under the physical hazards. Possible physical hazards are as below: -

Physical Hazards due to Mining Operations:

Following health related hazards were identified in open cast mining operations to the workers:

Light: - The workers may be exposed to the risk of poor illumination or excessive brightness. The effects are eye strain, headache, eye pain and lachrymation, congestion around the cornea and eye fatigue. In present case, the mining activity is done during day time only.

Heat and Humidity: - The most common physical hazard is heat. The direct effects of heat exposure are burns, heat exhaustion, heat stroke and heat cramps; the indirect effects are decreased efficiency, increased fatigue and enhanced accident rates. Heat and humidity are encountered in hot and humid condition when temperatures and air temperatures increase in summer time up to 46.10C or above in the river bed mining area.

Eye Irritation: - During the high windy days in summer the dust could be the problems for eyes like itching and watering of eyes.

Respiratory Problems: - Large amounts of dust in air can be a health hazard, exacerbating respiratory disorders such as asthma and irritating the lungs and bronchial passages.

Noise Induced Hearing Loss: - Machinery is the main source of noise pollution at the mine site.

Risk Level using Risk Matrix: Risk Matrix is used to identify the level of risk involved in various hazards identified.

State Level Environment Impact Assessment Authority, M.P. (EPCO)

Paryavaran Parisar E-5, Arera Colony, Bhopal (M.P.)

Table 26 Number of Health centersin Ratlam District

S. no.	Name of District	Block Name	No. of Hospitals	СНС	РНС	МО
1.		Alot	1	1	5	2
2.		Jaora	1	0	4	12
3.		piploda	0	1	4	-
4.	Ratlam	Ratlam	4	1	6	8
5.	1	Sailana	0	1	4	7
6.		Bajna	0	1	2	5

State Level Environment Impact
Assessment Authority, M.P.
(EPCO)
Paryavaran Parisar
E-5, Arera Colony, Bhopal (M.P.)

Table 27 TB and Silicosis Patient's list of Ratlam District.

S. No.	Year	No. of TB Patients	No. of Silicosis Patients
1.	2019-2020	3999	0
2.	2020-2021	2640	0
3.	2021-2022	2878	0

Malaria control in Madhya Pradesh is complex because of vast tracts of forest with tribal settlement. Fifty four million individuals of various ethnic origins, accounting for 8% of the total population of India, contributed 30% of total malaria cases, 60% of total falciparum cases and 50% of malaria deaths in the country. Ambitious goals to control tribal malaria by launching "Enhanced Malaria Control Project" (EMCP) by the National Vector Borne Disease Control Programme (NVBDCP), with the World Bank assistance, became effective in September 1997 in eight north Indian states. Under EMCP, the programme used a broader mix of new interventions, i.e. insecticide-treated bed nets, spraying houses with effective residual insecticides, use of larvivorous fishes, rapid diagnostic tests for prompt diagnosis, treatment of the sick with effective radical treatment and increased public awareness and IEC.

The strategic plan will serve as the guide to all the districts and the state of Madhya Pradesh to achieve the TB elimination goals. Success of this endeavour will be an important chapter in the history of control of infectious diseases.

Tuberculosis is a disease dreaded due to it's social consequences and age old myths and misconceptions regarding it's transmission and treatment. It is more often mistreated by the unqualified and untrained thus leading to patients suffering physically and monetarily. Elimination of Tuberculosis will entail mammoth efforts by each and every stakeholder involved. The launch of this document provides with the necessary roadmap and momentum, in direction of meeting the goals specified.

Assessment Authority, M.P.
(EPCO)
Paryavaran Parisar

E-5, Arera Colony, Bhopal (M.P.)



Plantation and Green Belt Development in respectof lease granted in the

District:

Table 28 LIST OF PLANTATION DONE BY LESSEES RATLAM

Sr. Lease Owner's Name and Address	1 Shri Mohanlal Kumawat S/o Shri Ghasilal R/o- 117/2, Shastri Nagar, Ratlam	2 Sayyad Akhter Ali S/o Wahid Ali R/o- 10/10 Mahayanat Noor Bod	R/o- 10/10, Mahaveer Nagar, Ratlam Sayyad Mohabbat Ali S/o Wahid Ali	R/o- 10/10, Mahaveer Nagar, Ratlam	Shri Jakir Hussain S/o Shri Chhote Kha	Shri Vijay Jadav S/o Shri Devilal	-		R/o 61, Lakkadpeetha, Teh,-Ratlam			
Address	ri Ghasilal katlarn	id Ali	Ratlam hid Ali			evilal				Sharma		
Mineral	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti		Stone Gitti	Stone Gitti		Stone Gitti	Stone Gitti	Stone Gitti
Survey No.	137	137	137	143/1	222/1		222/1	222/1		136/1/1/1	136/1/1/1	136/1/1/1
Area (Ha)	1.000	2 500	2.500	1.000	1 000		1.500	1.000		1.000	1.000	1.000
Village/ Tehsil	Village- Namli	Tehsil- Ratlam Village- Namli	Tehsil- Ratlam	Village- Namli Tehsil- Ratlam	Village- Nandlai	Tehsil- Ratlam	Vıllage- Nandlai Tehsil- Ratlam	Village- Nandlai Tehsil- Ratlam	APIII 1	Vıllage- Banjli Tehsil- Ratlam	Village- Banjli Tehsil- Rattam	Village- Banjli
Duration	23-05-2018 to	22-05-2028 29-09-2017 to	28-09-2027	14-11-2016 to	23-01-2016 to	22-01-2026	06-01-2017 to 05-01-2027	06-01-2017 to		09-06-2017 to 08-06-2027	09-06-2017 to	11-05-2011 to
Plantation Target as per EC	(per year)	1000	1000	1000	1000		1000	1000		1000	1000	1000
No. fo Plantation	70	120	120	60	80		80	60		100	40	60
Name of Plants	Mango, Neem	Gulmohar	Ratanjot, Amla. Guava, Gulmoha	Gulmohar, Mango	Neem, Amla, Guav Mango, Karani	Guava, Kathal,	Anar, Mango, Gau	Mango, Amla,	Jamun	Mango, Amla, Karanj, Kathal,	Jamun Aımla, Karanj, Sag	Ratanjot, Mango

Assessment Assessment Impact
Assessment Anthority, M.P.

Paryagan Parisar

E-5, Arera Colony, Buisar

80	1000	14-07-2015 to 13-07-2025	Village- Bibdod Tehsil- Ratlam	2.000	181	Stone Gitti	Shri Rahul Jaisawal S/o Shri Narendra Kumar R/o- 125, Gandhinagar, Dist Ratlam	23
1000 50		12-12-2017 to 11-12-2027	Village- Bibdod Tehsil- Ratlam	1.600	101	Stone Gitti	Shri Rishabh Paweja S/o Shri Mahendra Pawecha R/o- 30, Hatiram Darwaja, Ratlam	22
1000 90		18-12-2017 to 17-12-2027	Village- Bibdod Tehsil- Ratlam	3.750	126	Stone Gitti	M/S Kamdhenu Stone and Sand Partner Shri Sanjay Patwala R/o- Teacher colony Ratlam	21
1000 70		18-12-2017 to 17-12-2027	Village- Bibdod Tehsil- Ratlam	3.750	126	Stone Gitti	M/S Kamdhenu Stone and Sand Partner Shri Sanjay Patwala R/o- Teacher colony Ratlam	20
1000	—	18-12-2017 to 17-12-2027	Village- Bibdod Tehsil- Ratlam	4.000	126	Stone Gitti	M/S Kamdhenu Stone and Sand Partner Shri Sanjay Patwala R/o- Teacher colony Ratlam	19
1000	1	15-12-2016 to 14-12-2026	Village- Bibdod Tehsil- Ratlam	2.000	472 (179)	Stone Gitti	Shri Rakesh Kothari S/o Shri Nihaalchandra R/o- 490, Katju nagar Ratlam	18
1000 40	-	09-02-2018 to 08-02-2028	Village- Banjli Tehsil- Ratlam	1.000	136/1/1/1	Stone Gitti	Shri Vyankatesh Timanna S/o Shri Malyaya R/o- 81, Rajendra Nagar, Ratlam	17
1000 100		08-09-2017 to 07-09-2027	Village- Banjli Tehsil- Ratlam	2.000	136/1/1/1	Stone Gitti	Shri Subhashchandra Jain S/o Shri Rakhabchadra R/o- 148, Subhash nagar, Ratlam	16
1000 50		10-05-2012 to 09-05-2022	Village- Banjli Tehsil- Ratlam	0.800	136/1/1/1	Stone Gitti	Shrimati Manju Rajoriya W/o Shri Kamal R/o- 106, Shastri Nagar, Dist. Ratlam	15
1000 60	II /	10-05-2012 to 09-05-2022	Village- Banjli Tehsil- Ratlam	1.000	136/1/1/1	Stone Gitti	Shrimati Chenakumari W/o Shri Mahendra. R/o- 30, Hatiram Darwaja, Dist. Ratlam	14
1000 40	1 1	28-12-2014 to 27-12-2024	Village- Banjli Tehsil- Ratlam	0.600	136/1/1/1	Stone Gitti	Shri Ratanlal Kumawat S/o Shri KanhaiyaLal R/o- 138, Lakkad Peetha, Dist. Ratlam	13
1000 100		23-12-2014 to 22-12-2024	Village- Banjli Tehsil- Ratlam	1.000	136/1/1/1	Stone Gitti	Shri Pankaj Purohit S/o Shri Bajrang R/o- 138, Jawahar Nagar, Dist. Ratlam	12
1000		24-11-2011 to 23-11-2021	Village- Banjli Tehsil- Ratlam	1.000	136/1/1/1	Stone Gitti	Moh. Jakir Hussain S/o Chhote Kha R/o- Sahar Saray, Dist. Ratlam	11
1000 100°		05-03-2021 to 04-03-2031	Village- Banjli Tehsil- Ratlam	1.500	136/1/1/1	Stone Gitti	Shri Subhash Chandra Jain S/o Rakhabchandra R/o 148, Subhash Nagar, Ratlam	10
Wol E								

88

State Level Environment Impact

	Pary	Paryavaran Parisar	sar						
Mango, Karan Guava, Sagui	E-8, Arera (09	Colony, Bhop	E-8, Arera Colony, Bhopal (M.P.) 9202-80-10 09 0001	Village- Sarwani Khurd Tehsil- Ratlam	2.000	04	Stone Gitti	Shri Bharat Rathod S/o Shri Shyam Sundar R/o- 14/1, Sahar Saray, Nahar pura road, Dist. Ratlam	38
Neelgiri, Mang Shitaphal, Gua- Jamun	90	1000	22-07-2016 to 21-07-2026	Village- Lunera Tehsil- Ratlam	2.000	117/1	Stone Gitti	Shri Mahendra Agarwal S/o Shri Prabhudayal R/o- 23, Joy Builder Colony, Ranisati Gate, Dist. Indore	37
Mango, Neen Karanj, Guav	90	1000	22-07-2016 to 21-07-2026	Village- Lunera Tehsil- Ratlam	2.000	117/1	Stone Gitti	Shri Mahendra Agarwal S/o Shri Prabhudayal R/o- 23, Joy Builder Colony, Ranisati Gate, Dist. Indore	36
Mango, Amla Neelgiri	80	1000	26-12-2011 to 25-12-2021	Village- Lunera Tehsil- Ratlam	2.000	117/1	Stone Gitti	Shri Vikram Singh Rathod S/o Jaswant Singh R/o Village- Lunera, Tehs. Ratlam, Dist Ratlam	35
Mango, Cuava Kath il	110	1000	02-12-2015 to 01-12-2025	Village- Sarwad Tehsil- Ratlam	1.000	535/1	Stone Gitti	Shri Vinod Bhai Patel S/o Shri Rajvi Bhai R/o- Shakti Aara Machine, Jawra Phatak, Teh. Ratlam, Dist Ratlam	34
Mango, Neebi Kathal	70	1000	01-12-2017 to 30-11-2027	Village- Sarwad Tehsil- Ratlam	2.000	490/1	Stone Gitti	Shri Ejan Belim S/o Shri Akbar Belim R/o- Ashok nagar Ratlam	33
Mango, Neebu Kathal, Jamun Karanj, Khame	110	1000	04-12-2010 to 03-12-2020	Village- Sarwad Tehsil- Ratlam	2.000	535/1	Stone Gitti	Shri Vinod Bhai Patel S/o Shri Raoji Bhai, R/o Shakti Aara Machine Jawra Fatak Ratlam	32
Gulmohar, Man Neem, Amla, Gu	90	1000	27-11-2016 to 26-11-2026	Village- Rajpura Tehsil- Ratlam	1.200	2/4/2	Stone Gitti	Raj Rajeshwari Stone Crusher, Shrimati Sunita Kumawat W/o Shri Jaswant R/o- A/54, Dongre Nagar, Ratlam	31
Mango, Guava Kathal	40	1000	28-11-2017 to 27-11-2027	Village- Sujlana Tehsil- Ratlam	1.600	75/1	Stone Gitti	Shri Mukta Singh S/o Shri Prem Singh R/o A-101, Jupitar Tower Ahamdabad (GJ)	30
Mango, Amla Guava, Neebu Karanj, Neem, Ja	70	0001	27-02-2018 to 26-02-2028	Village- Sanwliya Rundi Tehsil- Ratlam	2.000	3/1/1/1	Stone Gitti	Shri Rahul Tauk S/o Shri Kailash Tauk R/o- 148, Village- Munddi, Tehsil- Ratlam	29
Gulmohar, Nece Amla, Guava	80	1000	27-02-2018 to 26-02-2028	Village- Sanwliya Rundi Tehsil- Ratlam	2.000	3/1/1/1	Stone Gitti	Shri Deepak Tauk S/o Shri Kailash Tauk R/o- 148, Village- Munddi, Tehsil- Ratlam	28
Mango, Guava Shitaphal, Kara	120	1000	27-08-2019 to 26-08-2029	Village- Sanwliya Rundi Tehsil- Ratlam	4.000	3/1/1/1	Stone Gitti	Sayyad Afsaar Ali S/o Wahid Ali, R/o- 16/10, Rahmat Nagar, Dist Ratlam	26
Kathal, Karanj Guava	120	1000	24-11-2021 to 23-11-2031	Village- Sanwliya Rundi Tehsil- Ratlam	4.000	3/1/1/1	Stone Gitti	Sayyad Afsaar Ali S/o Wahid Ali, R/o- 16/10, Rahmat Nagar, Dist Ratlam	25
Mango, Kathal Guava	40	1000	07-02-2018 to 06-02-2028	Village- Bibdod Tehsil- Ratlam	2.000	65	Stone Gitti	Shri Rijwan S/o Shri Abdul Rehman R/o- Ashok Nagar, Ratlam	24

					T		- i	T				·		
52	51	50	49	48	47	46	45	44	43	42	41	40	39	
Shri Vijay Kumar Jadav S/o Shri DeviLal	Shri PremaRam Puniya S/o Shri PeerRam R/o- 63, Aasharam Bapu Nagar, Ratlam	Shri Manoharlal Kumawat Ratlam	Shri Manoharlal Kumawat Ratlam	Shrimati Poorva Jain W/o Shri Gaurav Jain R/o- 64A, Rajendra Nagar Ratlam	Shri Gaurav Jain S/o Shri Ashok ji Jain R/o- 64A, Rajendra Nagar Ratlarn	Shrimati Megha Sharma W/o Shri Rohan Sharma R/o- 80, Sajjan Mill Road, Ratlarn	Shri Girdhari Purohit S/o Shri Lal ji Purohit R/o- 120, Jawahar Nagar, Ratlam	Shri Pankaj Purohit S/o Shri Bajrang R/o- 138, Jawahar nagar, Ratlam	Shri Nandkishore Sharma S/o Shri Ramkishan Sharma, R/o- 80, Sajjan Mill Road, Dist Ratlam	Shri Prateek VijayVargiya S/o Shri Sudheer R/o- 120, ShriRam Mansion, Power House Road, Ratlam, Dist Ratlam	Shrimati Akansha Vijayvargiya S/o Shri Shashank R/o- 63, Lakkadpeetha, Ratlam, Dist Ratlam	Shri Prateek VijayVargiya S/o Shri Sudheer R/o- 120, ShriRam Mansion, Power House Road, Ratlam, Dist Ratlam	Shri Kailash Kumawat S/o Shri Girdharilal R/o- 120, Karmadi Road, Dist Ratlam	
Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	Stone Gitti	
169	273/1	172	172	169	169	169	169	169	169	04	01	01	01	
1.500	2.000	1.600	1.500	1.650	1.950	1.000	1.750	1.500	2.000	1.500	1.000	1.900	1.900	
Village- Sarwani Khurd Tehsil- Ratlam	Village- Nawgawan Kalan Tehsil- Ratlam	Tehsil- Ratlam	Tehsil- Ratlam	Village- Sarwani Khurd Tehsil- Ratlam	Village- Sarwani Khurd Tehsil- Ratlam	Village- Sarwani Khurd Tehsil- Ratlam	Village- Sarwani Khurd Tehsil- Ratlam	Village- Sarwani Khurd Tehsil- Ratlam	Village- Sarwani Khurd Tehsil- Ratlam	Village- Sarwani Khurd Tehsil- Ratlam	Village- Sarwani Khurd Tehsil- Ratlam	Village- Sarwani Khurd Tehsil- Ratlam	Village- Sarwani Khurd Tehsil- Ratlam	-7
24-02-2018 to 23-02-2028	05-07-2018 to 04-07-2028	18-02-2028	18-02-2028	22-02-2018 to	22-02-2028	24-02-2018 to 23-02-2028	24-02-2018 to 23-02-2028	24-02-2018 to 23-02-2028	24-02-2018 to 23-02-2028	12-12-2017 to 11-12-2027	12-12-2017 to 11-12-2027	21-10-2015 to 20-10-2025	21-10-2015 to 20-10-2025	Avironment Impac
1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	A
60	30	60	60	1	à đ	50	60	50	50	60		50	60 80	ő
Neem, Amla, Gu	Amla, Mango, A	Amla, Mango, As	Amla, Mango, As	Neem, Amla, Gu:	Amla, Mango, As	Gulmohar, Neer Amla, Mango, As	Gulmohar, Pipa Ashok, Neem,	Neem, Jamun, Gulmohar	Mango, Karanj, Amla, Jamun, Katl	Mango, Karanj, Amla, Jamun, Katl	Guava, Neebu, Am Jamun, Neem	Jamun, Kathal Gulmohar Mango, Karanj,	Mango, Karanj, Guava, Gulmohar Jamnu, Neebu, Mango Guava	War F

Paryavaran

Solution Shiri Circian Singh Solanki Sone Gitti 172 o 173 1.300	Gulmohar Mana	30	1000	24-11-2017 to 1	Village- Abupura 24-1	2.000	L		1	
Strict S	Amla, Mango, Ash	80		1-06-2027		+	478	Stone Gitti	-	-
Strict Chetan Singly Solanki Stone Gitti 172 o 173 1,300	Gulmohar, Nee		1000			.000		Stone Gitti	70-28, Ward-03, Rana Pratap Marg, Tal, Tehs. Tal, Dist. Ratlam	-
Sin Shiri Chetan Singh Solanki Stone Gitti 172 o 173 1,300 Village- Sarwani Khurd 01-06-2018 to 1000 30 A	Gulmohar, Ne Amla, Mango, A	40				2.000		Sione Gitti	Dist. Ratlam Shri Sachin Banthiya S/o Shri Sanjay Kumar ji,	
Sind Chetan Singh Solaniki Stone Gitti 172 o 173 1,300 Village-Sarwani Khurd 01-06-2018 to 1000 10	Amla, Mango,	60	1000	+	_				R/o- Village Pawsar, Tehs. Hathin, Dist. Palwal	
Sin Samira Kumawat, Stone Gitti 172 o 173 1.300 Village- Sarwani Khurd 01-06-2018 to 1000 400 1000	Gulmohar, N Amla, Mango,	60	1000	07-2011 to	-	2.000	4	Stone Gitti	R/o- Station Road, Tehs. Tal, Dist. Ratlam	8
Shri Chetan Singh Solanki Stone Gitti 172 o 173 1.300 Village- Sarwani Khurd 01-05-2018 to 1000 400 400 400-2021 4000 400 400-2021 4000 400 400-2021 4000 400-2021 4000 400-401-2021 4000 4000-401-401-401-401-401-401-401-401-401	Amla, Mango,		1000	3-02-2011 to	+	1.000		Stone Gitti	R/o- Village Mandawal, Tehs. Tal, Dist. Ratlam	+
Sin Najmah Kunnawat, Stone Gitti 172 o 173 1.300 Village-Sarwani Khurd 01-06-2018 to Tebsil-Ratlam Singh Solanki Stone Gitti 12 2.000 Tebsil-Ratlam Singh Solanki Stone Gitti 12 2.000 Village-Sujlana 09-11-2017 to 1000 30 Antisk Singh Solanki Singh Solank	Gulmohar, N	50	1000	5-01-2011 to 04-01-2021		-	72	Stone Gitti	R/o-Tajkheda, Tehs. Tal, Dist. Ratlam Shri Rituraj Singh S/o Shri Shivraj Singh	62
Sin Neightal Kumawat, Stone Gitti 172 o 173 1.300 Village- Sarwani Khurd O1-06-2018 to Tehsil- Ratlam Stone Gitti 12 2.000 Tehsil- Ratlam Stone Gitti 12 2.000 Tehsil- Ratlam Stone Gitti 12 2.000 Tehsil- Ratlam Stone Gitti 273/17 2.000 Tehsil- Ratlam O9-11-2017 to 1000 So Amboer Pakawala So Shri Albeer Pakawala So Shri Shabbeer Pakawala So Shri Shabbeer Pakawala So Nizzamuddin Stone Gitti 273/17 1.000 Tehsil- Ratlam 16-12-2030 1000 So Markitam Shri Jitendra Singh Thakur Sone Gitti 273/17 1.000 Tehsil- Ratlam 16-12-2030 1000 So Markitam Shri Jitendra Singh Thakur Sone Gitti 273/17 1.500 Village- Rampuriya 17-12-2020 to 1000 So Markitam Shri Jitendra Singh Thakur Sone Gitti 273/17 1.500 Village- Rampuriya 17-12-2020 to 1000 So Markitam Shri Jitendra Surana Sone Gitti 273/17 1.500 Village- Rampuriya 17-12-2020 to 1000 So Markitam Shri Jitendra Surana Sone Gitti 273/17 1.500 Village- Rampuriya 17-12-2030 1600 So Markitam Shri Jitendra Surana Stone Gitti 273/17 1.500 Village- Bibdod 11-04-2008 to 1000 So Amitimati Archana Surana Stone Gitti 13/3/2 2.000 Village- Dhabaipada 21-04-2022 to 1000 So Amitimati Archana Surana Stone Gitti 13/3/2 2.000 Village- Dhabaipada 21-04-2022 to 1000 So Amitimati Archana Surana Stone Gitti 13/3/2 2.000 Village- Chababipada 21-04-2022 to 1000 So Amitimati Archana Surana Stone Gitti 13/3/2 2.000 Village- Chababipada 21-04-2022 to 1000 So Amitimati Archana Surana Stone Gitti 13/3/2 2.000 Village- Chababipada 21-04-2022 to 20-04-2022 to 30 Markitam 31-05-2021 to 30 Mark	Amla, Mango,	8		1041	1				Rameshchandra	61
Storic Ryalmat Kunnawat, Storic Gitti 172 o 173 1.300 Village- Sarwani Khurd 01-06-2018 to Tehsil- Ratlam Tehsil-	Gulmohar, 1	30	1000	17-09-2017 to			04	Stone Gitti	S/o Shri Shaubhan Singh R/o- Village Daulatganj, Tehs. Tal, Dist. Ratlam Shri Santosh Kumar Baltan Shri Santosh Shri Santosh Shri Santosh Shri Santosh Shri Shaubhan Singh	- 8
Stri Chetan Singh Solanki Stone Gitti 172 o 173 1.300 Village-Sarwani Khurd Stone Gitti 172 o 173 1.300 Village-Sarwani Khurd O1-06-2018 to O1-06-2018 t	Neem, Amla,	30 ⁻		20-04-2022 to		2.000			Shri Arjun Singh Chauhan	3
Shri Chetan Singh Solanki Stone Gitti 172 o 173 1.300 Village- Sarwani Khurd O1-06-2018 to Tehsil- Ratlam O1-06-2018 to Tehsil- Ratlam O1-06-2018 to O1-	Amia, Mang	000	1000	11 04 2020		3	13/3/2	Stone Gitti	W/o Hitesh Surana	7
Shri Chetan Singh Solanki Stone Gitti 172 o 173 1.300 Village- Sarwani Khurd O1-06-2018 to Shri Chetan Singh Solanki Stone Gitti Stone Gitti Stone Gitti Stone Gitti Stone Gitti Stone Gitti Shri Shabbeer Pakawala Stone Gitti Stone Gitti Shri Dinesh Porwal S/o Shri Kishan Latlam Stone Gitti Shri Dinesh Porwal S/o Shri Kishan Latlam Stone Gitti Stone Gitti Shri Dinesh Porwal S/o Shri Kishan Latlam Stone Gitti Shone	Gulmohar,	50	1000	10-04-2008 to		2.000	6		Shrimati Archana Surana	<u></u>
Stone Gitti 172 o 173 1.300 Village- Sarwani Khurd 01-06-2018 to 1000 10	Amia, Mang			11 04 2000	-	3 000	65	Stone Gitti	R/o- 4, Sahar Saray, Gayitri Cinema Dist. Ration	8
Stone Gitti 172 o 173 1.300 Village- Sarwani Khurd 01-06-2018 to 1000 10	Gulmohar	60	000	17-12-2020 to	Tehsil- Ratlam	1.500	273/17	Stolle Cittl	R/o- 15, Avishkar Apartment, Mahu road, Ratlam	6
Stone Gitti 172 o 173 1.300 Village- Sarwani Khurd 01-06-2018 to 1000 10	Neem, Aml	2		16-12-2030	Tehsil- Ratlam			Charles Cit.	S/o Surendra Singh Thakur	57
Shri Kajmai Kumawat, Stone Gitti 172 o 173 1.300 Village- Sarwani Khurd 01-06-2018 to Shri Chetan Singh Solanki Stone Gitti 12 2.000 Tehsil- Ratlam 31-05-2028 60 A S/o Shri Narendra Singh Stone Gitti 12 2.000 Tehsil- Ratlam 09-11-2017 to 1000 30 Ar Shri Shabbeer Pakawala Stone Gitti 273/16, S/o Shabbeer Pakawala S/o Nizzawadi. Stone Gitti 273/17 2.000 Tehsil- Ratlam 17-12-2020 to 1000 60 An Shri Shabbeer Pakawala S/o Nizzawadi. Stone Gitti 273/17 2.000 Tehsil- Ratlam 16-12-2030 16-12-2030 An Shri Shabbeer Pakawala S/o Nizzawadi. Stone Gitti 273/17 2.000 Tehsil- Ratlam 16-12-2030 1000 60 An Shri Shabbeer Pakawala S/o Nizzawadi. Stone Gitti 273/17 2.000 Tehsil- Ratlam 16-12-2030 1000 60 An Shri Shabbeer Pakawala S/o Nizzawadi. Stone Gitti 273/17 2.000 Tehsil- Ratlam 16-12-2030 1000 60 An Shri Shabbeer Pakawala S/o Nizzawadi. Stone Gitti 273/17 2.000 Tehsil- Ratlam 16-12-2030 1000 60 An Shri Shabbeer Pakawala S/o Nizzawadi. Stone Gitti 273/17 2.000 Tehsil- Ratlam 16-12-2030 1000 60 An Shri Shabbeer Pakawala S/o Nizzawadi. Stone Gitti 273/17 2.000 Tehsil- Ratlam 16-12-2030 1000 60 An Shri Shabbeer Pakawala S/o Nizzawadi. Stone Gitti 172 0.000 172		8	1000	17-12-2020 to	Village- Rampuriya	1.000	273/17	Stone Gitti	R/c- 16, Rambagh, Ratlam	
Stri Chetan Singh Solanki R/o- 2065 D, Sudama Nagar, Indore, Dist. Indore Shrimati Neesreen Pakawala S/o Shabbeer Pakawala S/o Shabbeer Pakawala S/o- 16. Rambach B. 24 She in Kajmat Kumawat, R/o- 16. Rambach B. 24 She in Kajmat Kumawat, R/o- 2017 Singh Solanki Stone Gitti	Amia Man	* 1		16-12-2030	Tehsil- Ratlam		11/6/7		Shri Shabbeer Pakawala S/o Nizzamaddia	56
Shri Kajmai Kumawat, R/o -Ratlam Stone Gitti R/o -Ratlam Stone Gitti R/o - Ratlam R/o - Ratlam Stone Gitti R/o - Ratlam R/o	Gulmoha	60	1000	17-12-2020 to	Village- Rampuriya	2.000	273/16,	Stone Gitti	S/o Shabbeer Pakawala R/o- 16. Rambaob Ration	55
Stone Gitti 172 o 173 1.300 Village- Sarwani Khurd 01-06-2018 to Shri Chetan Singh Solanki Stone Gitti 172 o 173 1.300 Tehsil- Ratlam 31-05-2028 60 A	Gulmoha Amla, Man	30	1000	09-11-2017 to 08-11-2027	Village- Sujlana Tehsil- Ratlam	2.000	12	-	R/o- 2065 D, Sudama Nagar, Indore, Dist. Indore Shrimati Neesreen Pakawala	
R/o -Ratlam Stone Gitti 172 o 173 1.300 Village- Sarwani Khurd 01-06-2018 to 1000	Amla, Mar	60		31-05-2028	lehsil- Ratlam				Shri Chetan Singh Solanki	54
	S	Level	0001	01-06-2018 to	Village- Sarwani Khurd			Stone Gitti	R/o -Ratlam	2

0

Ó \cap

0

 \bigcirc Ö

Gulmohar, Neen Amla, Mango, Asl	90	1000	24-12-2016 to 23-12-2026	Village- Jethana Tehsil- Piploda	2.000	42/1	Stone Gitti	M/S U. B. Infrastrsucture Pvt. Ltd. Pro. Shri Vikram Singh Anjana S/o Shri Mohanlal	76
Gulmohar, Neen Amla, Mang [,] , Asl	100	000 1	27-04-2013 to 02-05-2022	Village- Akyadeh Tehsil- Piploda	2.000	461/1	Stone Gitti	Shri Shantilal Rudrani S/o Shri Somji, R/o- 10, Poonam Bihar Colony, Tehs. Jawra, Dist. Ratlam	75
Gulmohar, Neen Amla, Mango, Ash	100	1000	01-01-2011 to 31-12-2021	Village- Mamat Kheda Tehsil- Piploda	1.253	3,4/8	Stone Gitti	Shrimati Renuka Rarotiya W/o Shri Madan R/o- 18, Pathantoli, Tehsil- Jawra, Dist. Ratlam	74
Gulmohar, Neen Amla, Mango, Asl	70	1000	10-05-2016 to 09-05-2026	Village- Amlipada Tehsil- Bajna	0.750	257	Stone Gitti	Shri Surendra Singh Bhamra S/o Jager Singh R/o- 67, New Road, Ratlam, Dist. Ratlam	73
Gulmohar, Neen Amla, Mango, Ash	30	1000	28-12-2017 to 27-12-2027	Village- Patdi Tehsil- Sailana	2.000	3	Stone Gitti	Shri Bheru Singh Bheel S/o Shri Hawji Bheel, R/o- 14/1, Village- Kolapura, Tehs. Sailana, Dist. Ratlam	72
Gulmohar, Neen Amla, Mango, Ash	100	1000	06-10-2016 to 05-10-2026	Village- Jambudiya Tehsil- Sailana	2.000	25/1	Stone Gitti	Shri Dhamendra Singh Rathore S/o Shri Prabhunath Singh R/o- 32, Bajaar Chowk, Village Berda, Tehs. Sailana, Dist. Ratlam	71
Gulmohar, Mango Neem, Amla, Guav	80	0001	17-05-2016 to 16-05-2026	Village- Kher Khunta Tehsil- Sailana	1.650	198/3/1	Stone Gitti	M/S Anish Infracon India Pvt. Ltd., Himmatnagar (Guj.) [Pro. Rijwan Vijapura S/o Shri Iliyas Hal. Mu1101/5, Near Salakhedi Bypass Ratlam	70
Gulmohar, Neem Amla, Mango, Ash	10	1000	24-12-2016 to 06-07-2021	Village- Jamda Gujra Tehsil- Sailana	1.000	3	Stone Gitti	Shri Rajendra Prasad Sunda S/o Shri Pannaram R/o- 134, Village Bidoribadi, Tehs. Laxmangarh, Dist. Sikar (Raj.)	69
Gulmohar, Neem Amla, Mango, Ash	45	1000	07-02-2018 to 06-02-2028	Village- Malya Tehsil- Tal	2.000	358/1	Stone Gitti	Shri Ashish Gupta, R/o Jaora	68
Gulmohar, Neem Amla, Mango, Ash	60	1000	22-09-2016 to 21-09-2026	Village- Kolu Khedi Tehsil- Tal	2.000	244	Stone Gitti	Shrimati Dulle Kunwar Rajput S/o Shri Pratap singh R/o- 210, Village-Kalukhedi, Tehs. Tal, Dist. Ratlam	67
23-11-2023 gul penul punul Penul Page 1 or Neem, Amia, Guav	o i evel Environment Imp	ironment In	23-11-2023ed	Tehsil- Tal				Pro. Shri Ajay Muwa S/o Shri Padmaya ji, R/o- 112, Kaliman Koli Street, Nishant nagar, Berugam bakam, Chennai	

Gulmohar, Neem Amla Mango Ash	40	1000	10-01-2012 to 09-01-2022	Village- Faunchriya Tehsil- Jaora	1.000	226	Stone Gitti	R/o- Badwada, Tehs. Jaora, Dist. Ratlam	89
Gulmohar, Neem Amia, Mango, Ash	55	1000	09-01-2013 to 08-01-2023	Tehsil- Jaora	4.000	116	Stone Gitti	R/o- 14, Neem Chauk, Tehs. Jaora, Dist. Ratlam Shri litendra Hingad S/o Shri Michaella	8
Gulmohar, Neem Amla, Mango, Ash	40	1000	28-11-2011 to 27-11-2021	Village- Badawada Tehsil- Jaora	4.000	91/1/1	Stone Gitti	R/o- 129, Tilak Nagar, Tehs. Jaora, Dist. Ratlam Shri Raiesh Chordiva S/o Shri Bahulal	87
Gulmohar, Neem Amla, Mango, Ash	30	1000	31-05-2017 to 30-05-2027	Village- Sindurkiya Tehsil- Jaora	2.000	355	Stone Gitti	S/o Shri Manohar Singh Solanki R/o- 28, Bamankhedi, Tehs. Jaora	86
Gulmohar, Neem Amla, Mango, Ash	60	1000	29-06-2016 to 08-05-2021	Village- Sindurkiya Tehsil- Jaora	3.450	321	Stone Gitti	R/o 311, Akyaparwal, Tehs. Jaora Shri Mahendra Singh Solanki	85
Gulmohar, Neem Amla, Mango, Ash	40	1000	16-01-2018 to 15-01-2028	Village- Rojhana Tehsil- Jaora	1.298	17/2 , 17/3	Stone Gitti	S/o Shri Ravindra Gorecha R/o- 91, Kothi Bazaar, TehJaora, Dist. Ratlam	84
Gulmohar, Neem Amla, Mango, Ash	80	1000	07-02-2017 to 06-02-2027	Village- Rojhana Tehsil- Jaora	2.000	18/1	Stone Gitti	R/o- Village Daloda, Tehs. Daloda, Dist Mandsaur Shri Aadi Gorecha	83
Gulmohar, Neem Amla, Mango, Ash	40	1000	01-09-2017 to 31-08-2027	Village- Rojhana Tehsil- Jaora	1.998	17/1	Stone Gitti	Shri Kapil Patel S/o Shri Jayshankar Patel R/o- 103/1, Rapat road, Teh. Jaora	82
Gulmohar, Neem Amla, Mango, Ash	90	1000	02-08-2016 to 01-08-2026	Village- Rojhana Tehsil- Jaora	3.000	33/2	Stone Gitti	Shri Sureshbhai Patel S/o Shri Kantilal R/o- Poonam Bihar Colony, Tehs. Jaora, Dist. Ratlam	81
Guímohar, Neem Amla, Mango, Ash	60	1000	01-01-2015 to 31-12-2024	Village-Rojhana Tehsil-Jaora	1.000	33/2	Stone Gitti	Shri Ajay Kumar Baser S/o Shri Rajmal R/o- 23, Ward No21, Kalali Kharanja, Baser chauk, Dist. Mandsaur	80
Gulmohar, Neem Amla, Mango, Ash	80	1000	24-11-2011 to 23-11-2021	Village- Rojhana Tehsil- Jaora	3.000	33/2	Stone Gitti	Shri Ramchandra Patidar S/o Shri BadriLal R/o- Village Daloda, Tehs. Daloda, Dist Mandsaur	79
Gulmohar, Neem Amla, Mango, Ash	120	1000	23-02-2018 to 22-02-2028	Village- Badayala Chorasi Tehsil- Piploda	2.000	43/10	Stone Gitti	Shri Rahul Ostwal S/o Shri Chandraprakash Ostwal, R/o- 14, Old Hospital Road, Tehs Jaora	78
Gulmohar, Neem Amla, Mango, Ash	120	1000	23-02-2018 to 22-02-2028	Village- Badayala Chorasi Tehsil- Piploda	2.000	146/1	Stone Gitti	Shri Rahul Ostwal S/o Shri Chandraprakash Ostwal, R/o- 14, Old Hospital Road, Tehs Jaora	77
State Level Farittmment Impact	romanent Imp	aci						R/o- Anjana Complex, Kamal chowk, Dist. Neemach (M.P.)	

Gulmohar Neem	40	1000	08-11-2017 to	Village- Khamariya	2.000	143	Stone Gitti	Shri Aasharam Jat	104
Gulmohar, Neem Amia, Mango, Ash	90	1000	08-11-2017 to 07-11-2027	Village- Mau Khedi Tehsil- Alot	2.000	501/1	Stone Gitti	Shri Ranjeet Dayma S/o Shri Bherulal Dayma, R/o- 12, Ward-5, Uprali Toli, Alot, Dist. Ratlam	103
Gulmohar, Neem Amla, Mango, Ash	70	1000	21-07-2014 to 20-07-2024	Village- Mau Khedi Tehsil- Alot	2.000	513,517	Stone Gitti	Shri Jakiuddin S/o Shri Gulam Jilani R/o- Juna Bazaar, Bombay center chauraha, Alot	102
Gulmohar, Neem Amla, Mango, Ash	90	1000	01-10-2011 to 31-09-2021	Village- Mau Khedi Tehsil- Alot	2.000	501/1	Stone Gitti	Shri Ranjeet Dayma S/o Shri Bherulal R/o- 12, Ward-5, Uprali Toli, Alot, Dist. Ratlam	101
Gulmohar, Neem Amla, Mango, Ash	20	1000	24-11-2012 to 23-11-2022	Village- Jeevangarh Tehsil- Alot	2.000	385/2/1	Stone Gitti	Shri Sanjay Singh Solanki S/o Shri Ishwar Singh R/o Bada Rawla, Tehs. Alot, Dist. Ratlam	100
Gulmohar, Neem Amla, Mango, Ash	10	1000	06-07-2020 to 05-07-2030	Village- Sindurkiya Tehsil- Jaora	2.000	76, 77, 78, 80, 84, 85	Stone Gitti	Shri Piyush Jain S/o Shri Pradeep Jain R/o 03, Kashmiri Gali Jaora	99
Gulmohar, Neem Amla, Mango, Ash	30	1000	22-05-2018 to 21-05-2028	Village- Rojhana Tehsil- Jaora	2.000	33/2	Stone Gitti	Shri Sandesh Kumar Jain S/o Shri Chandmal R/o- 65, Arihant colony, Dist. Ratlam	98
Gulmohar, Neem Amla, Mango, /.sh	30	1000	13-04-2017 to 12-04-2027	Village- Rojhana Tehsil- Jaora	1.800	33/2	Stone Gitti	Shri Sanjeev Kumar Jain S/o Shri Chandmal R/o- 65, Arihant colony, Dist. Ratlam	97
Gulmohar, Neem Amla, Mango, Ash	20	000	05-07-2018 to 04-07-2028	Village- Ringnod Tehsil- Jaora	1.500	486/1/1/A/ 1	Stone Gitti	Shri Raghuveer Ranawat S/o Shri Praveen Singh Ranawat R/o- Nagda, Tehs. Nagda, Dist Ratlam	%
Gulmohar, Neem Amla, Mango Ash	30	1000	01-06-2018 to 31-05-2028	Village- Sindurkiya Tehsil- Jaora	2.000	355	Stone Gitti	Shri Mahendra Singh Solanki S/o Shri Manohar Singh Solanki R/o- 28, Village- Bamankhedi, Tehs. Jaora, Dist Ratlam	95
Gulmohar, Neem Amla, Mango, Ash	30	1000	26-12-2017 to 25-12-2027	Village- Hatpipliya Tehsil- Jaora	2.000	81	Stone Gitti	Shri Shripal Jain S/o Shri Sagarmal Jain R/o- 67, Laxmibai Marg, Tehs. Jaora, Dist Ratlam	94
Gulmohar, Neem Amla, Mango, Ash	40	1000	07-02-2018 to 06-02-2028	Village- Sada Khedi Tehsil- Jaora	2.000	07	Stone Gitti	Shri Vijendra Singh Panwar S/o Shri Shambhu Singh R/o- 12/1, Meenapur, Tehs. Jaora, Dist. Ratlam	93
Gulmohar, Neem Amla, Mango, Ash	60	1000	21-06-2017 to 21-10-2026	Village- Sada Khedi Tehsil- Jaora	1.630	07	Stone Gitti	Shri Dheeraj Singh Dodiya S/o Shri Yashwant Singh R/o- 68, Village: Nagdi, Tehs. Jaora	92
Gulmohar, Neem Amla, Mango, Ash	30	1000	15-06-2016 to 14-06-2026	Village- Ringnod Tehsil- Jaora	2.000	486/1/1/A/ 1	Stone Gitti	M/S S.S. Industries, Jaora Pro. Shri Sanjeev Kumar Jain S/o Shri Chandmal R/o-65, Arihant Colony, Jaora Dist. Ratlam	91
Gulmohar, Neem Amla, Mango, Ash	30 A	1000	13-07-2015 to 12-07-2025	Village- Ringnod Tehsil- Jaora	2.000	486/1/1/A/ 1	Stone Gitti	Shrimati Aarti Rarotiya W/o Shri Sudheer R/o- 18, Kamaal Kha, Tehs. Jaora,	8

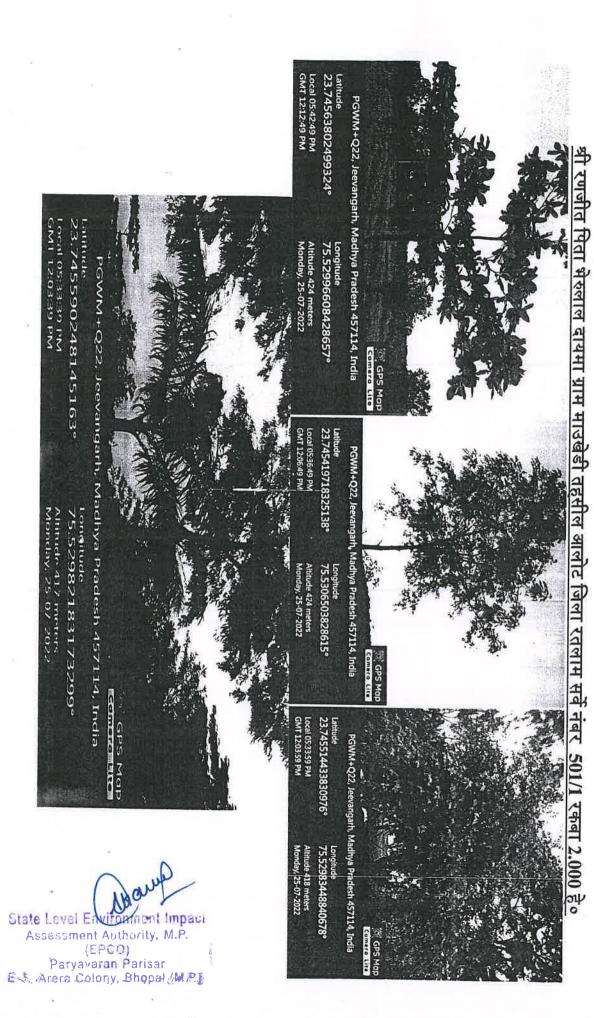
Gulmohar, Neem Amla, Mango, Ash	10	1000	02-09-2020 to 01-09-2030	Village- Mau Khedi Tehsil- Alot	2.000	504	Stone Gitti	Shri Wasim Khan S/o Shri Aslam Khan R/o Dargah Mohalla, Alot	109
Gulmohar, Neem Amla, Mango, Ash	10	1000	24-01-2019 to 23-01-2029	Village- Jeevangarh Tehsil- Alot	1.000	385/2/2	Stone Gitti	M/S R. K. Stone Crusher Partner: Shri Asif Khan S/o Aslam Khan, and Shri Abid Khan S/o Aslam Khan R/o Khudwadi Mohalla, Varoth road, Alot, Tehs. Alot, Dist. Ratlam	108
Gulmohar, Neem Amla, Mango, Ash	10	1000	29-01-2019 to 28-01-2029	Village- Khamariya Tehsil- Alot	2.000	143	Stone Gitti	Shri Aabid Khan S/o Aslam Khan R/o- Khudwadi Mohalla, Varoth road, Alot, Tehs. Alot, Dist. Ratlam	107
Gulmohar, Neem Amla, Mango, Ash	30	1000	29-01-2019 to 28-01-2029	Village- Khamariya Tehsil- Alot	2.000	04	Stone Gitti	Kumari Minal Solanki S/o Shri Hitendra Singh Solanki R/o- 97, Ward no 07, Bada Rawla, Alot	106
Gulmohar, Neem Amla, Mango, Ash	40	1000	27-06-2017 to 26-06-2027	Village- Khedi Tehsil- Alot	1.000	18	Stone Gitti	Shrimati Sitara Khan W/o Shri Aslam Khan, R/o- 145, Dargah Mohalla, Tehs. Alot, Dist. Ratlam	105
Amla, Mango, Ash			07-11-2027	Tehsil- Alot				S/o Shri Kheraj Ramji, R/o- Nayagaon Alay, Dist. Nagaur (RJ)	

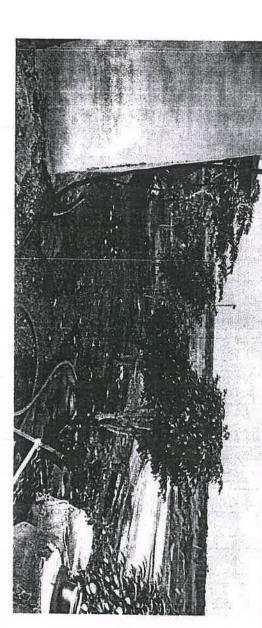
Paryheran Parisar E-5, Arera dose phopai (M.F

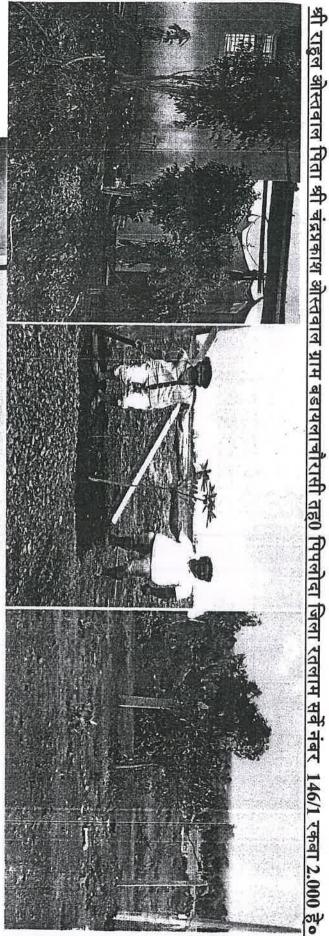
State Level Environment Impact Assessment Authority, M.P.

186 0 00 (T) gle 07/22 04:08 PM गुलाम जिलान 23/07/22 04:17 PM Unnamed Road, Madhya Pradesh 457114, India Long 75.529729° Lat 23.74011° Ratlam, Madhya Pradesh, India ग्राम माउखेडी तहसील आलोट जिला रतलाम सर्वे नंबर 513, 517 रकबा 2.000 हे॰ - 10 23/07/22 04:05 PM Lat 23.740107" Unnamed Road, Madhya Pradesh 457114, India Ratiam, Madhya Pradesh, India

Assessment Authority, M.P.
(EPCO)
Paryavaran Parisar State Level En







State Level Environment Impact Assessment Authority, M.P.
(EPCO)
Paryavaran Parisar
E-5, Arera Colony, Bhopal (M.P.)

Google श्री सैय्यद अफसार अली पिता वाहिद अली, Long 74.960467° Lat 23.289907° Sanwliya Rundi, 23/07/22 05:38 PM 7XQ6+Q5M, Sanwliya Rundi, Madhya Pradesh 457001, ग्राम सांवलियारूंडी तहसील व जिला रतलाम सर्वे नंबर 3/1/1/1 रकबा 4.000 हे ॰ Madhya Pradesh, India 23/07/22 05:37 PM GPS Map Camera

Assessmen Authority M.P.

Parya Land Parisar
E-5, Arera Colony, Bhopal (M.P.)

CHAPTER-27 ANY OTHER INFORMATION

The well developed Environmental management plan and Remedial measures is proposed to carryout in all mining areas in the District.

CER/CSR activities shall be carried out by providing social and welfare measures to the local community of the nearby villages. The main activities would be like drinking water facilities for the government schools children, public toilets to the local community and government schools, conducting free medical camps, providing solar lights to the villages besides encouraging the local cultural activities of the area. Any other CSR and CER activities as guided by the DEAC during the grant of Environmental Clearance Shall be implemented.

Further, several welfare measures are also taking for the mine affected People/mine affected Villages through District Mineral Foundation Trust Fund which is remitted by the Quarry lease holders.

This District Survey Report has been prepared by carrying out field work. The details related to the occurrence of mineral resources and other data of the district are subject to updation from time to time. Mining can become more environmentally sustainable by developing and integrating practices that reduce the environmental impact of mining operations. These practices include measures such as reducing water and energy consumption, minimizing land disturbance and waste production, preventing soil, water, and air pollution at mine sites, and conducting successful mine closure and reclamation activities.

Before granting of any quarrying lease, parameters related to geosciences and sustainable developments have to be considered. The introduction of e-permit system and implementation of Mineral Dealers Rule and the despatch slips / transit permits with tampered proof security features and tracking of mined out minerals would fetch more revenue to the State Exchequer as well as sustainable development.

Assessment Authority, M.P.

Paryavaran Parisar E-5, Arera Colony, Bhopal (M.)