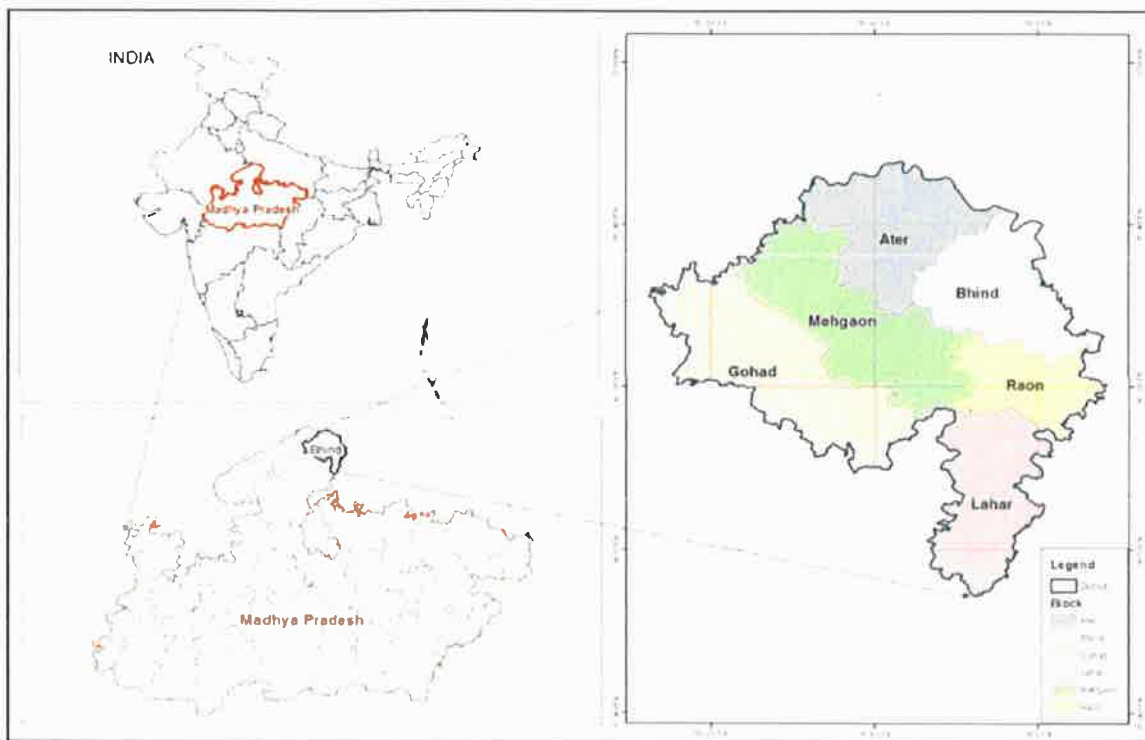





DISTRICT SURVEY REPORT DISTRICT BHIND, M.P.



STONE MINES


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



कार्यालय कलेक्टर (खनिज शाखा) जिला भिण्ड (म0प्र0)

Email - modgmbhi@mp.gov.in

क्रमांक- 6359 / खनिज / 2022

भिण्ड, दिनांक 9/9/22

प्रति,

सदस्य सचिव

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

विषय:- भिण्ड जिले की रेत खनिज से भिन्न गौण खनिज यांत्रिकी क्रिया से गिट्टी (क्रेशर पत्थर) एवं ईट वास्ते मिट्टी की जिला सर्वेक्षण रिपोर्ट (DSR) प्रस्तुत करने बावत।
संदर्भ:- (MPSEAC) की 591 वीं बैठक दिनांक 27.08.2022 में दिये गये निर्देश के पालन में।

--00--

उपरोक्त विषयान्तर्गत संदर्भित निर्देश के पालन में निवेदन है कि राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति की 591 वीं बैठक दिनांक 27.08.2022 में जिला भिण्ड की जिला सर्वेक्षण रिपोर्ट (गौण खनिज-यांत्रिकी क्रिया से गिट्टी (क्रेशर पत्थर) एवं ईट वास्ते मिट्टी) में निम्न कमियां पाई गई-

1. प्रस्तुत जिला सर्वेक्षण रिपोर्ट पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय की अधिसूचना दिनांक 25.07.2018 में जानकारी निर्धारित फार्मेट (16 बिन्दुओं वाली टेबल) के अनुसार नहीं दी गयी है। टेबिल क्रमांक-3 (पेज क्र0 14 से 23)
2. भिण्ड जिले में जिला सर्वेक्षण रिपोर्ट में हरित क्षेत्र के विकास हेतु खदानों में वृक्षारोपण की जानकारी नहीं दी गई है। जानकारी के लीजवार शामिल कर अद्यतन किया जाना चाहिए। साथ ही निर्धारित लक्ष्य के विरुद्ध कितना वृक्षारोपण किस वर्ष किया है, उसको भी अंकित किया जाना चाहिए।

अतः समिति की अनुशंसा उपरांत भिण्ड जिले की जिला सर्वेक्षण रिपोर्ट गौण खनिज को समिति की सुझाई गई उपरोक्त अनुशंसाओं के तारतम्य में अद्यतन (अपडेट) कर तथा संशोधित जिला सर्वेक्षण रिपोर्ट पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय की अधिसूचना दिनांक 25.07.2018 के अनुसार आवश्यक संशोधन करते हुये संशोधित जिला सर्वेक्षण रिपोर्ट (DSR) (गौण खनिज-यांत्रिकी क्रिया से गिट्टी (क्रेशर पत्थर) एवं ईट वास्ते मिट्टी) आपकी ओर सादर प्रेषित है।

संलग्न:- उपरोक्तानुसार।

पृ0क्रमांक-..... / खनिज / 2022

प्रतिलिपि:-

1. सदस्य सचिव, राज्य स्तरीय पर्यावरण समाघात प्राधिकरण (MPSEIAA), पर्यावरण परिसर, ई-5, अरेरा कॉलोनी, भोपाल (म.प्र.) की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु।
2. संचालक, भौमिकी तथा खनिकर्म, 29-ए, अरेरा हिल्स, भोपाल की ओर सूचनार्थ।

प्रभारी अधिकारी (खनिज शाखा)
जिला भिण्ड (म.प्र.)
भिण्ड, दिनांक.....

प्रभारी अधिकारी
(खनिज शाखा)
जिला भिण्ड (म.प्र.)

कार्यालय कलेक्टर (खनिज शाखा) जिला भिण्ड (म0प्र0)

Email - modgmbhi@mp.gov.in

क्रमांक-5886...../खनिज/2022
प्रति,

भिण्ड, दिनांक 28/7/22

सदस्य सचिव
राज्य स्तरीय पर्यावरण समाघात प्राधिकरण (MPSEIAA),
पर्यावरण परिसर,
ई-5, अरेरा कॉलोनी, भोपाल (म.प्र.)

विषय:- भिण्ड जिले की रेत खनिज से भिन्न गौण खनिज यांत्रिकी क्रिया से गिट्टी (केशर पत्थर) एवं ईट वास्ते गिट्टी की जिला सर्वेक्षण रिपोर्ट (DSR) प्रस्तुत करने बावत्।

संदर्भ:- इस कार्यालय का पत्र क्रमांक 5608 दिनांक 19.05.2022

—0—

उपरोक्त विषयान्तर्गत संदर्भित पत्र के माध्यम से भिण्ड जिले की रेत खनिज से भिन्न गौण खनिज यांत्रिकी क्रिया से गिट्टी (केशर पत्थर) एवं ईट वास्ते गिट्टी की जिला सर्वेक्षण रिपोर्ट (DSR) भेजी जा रही है।

अतः अग्रिम कार्यवाही हेतु जिला सर्वेक्षण रिपोर्ट (DSR) आपकी ओर सादर प्रेषित है।

संलग्न:- उपरोक्तानुसार।


कलेक्टर

जिला भिण्ड (म.प्र.)

भिण्ड, दिनांक 28/7/22

पृ0क्रमांक-5887...../खनिज/2022

प्रतिलिपि:-

1. प्रमुख सचिव, म.प्र. शासन, खनिज साधन विभाग, मंत्रालय, भोपाल की ओर सूचनार्थ।
2. संचालक, भौमिकी तथा खनिकर्म, 29-ए, अरेरा हिल्स, भोपाल की ओर सूचनार्थ।
3. सचिव (SEAC), अनुसंधान एवं विकास विंग, म.प्र. प्रदूषण नियंत्रण बोर्ड, पर्यावरण परिसर, ई-5, अरेरा कॉलोनी, भोपाल (म.प्र.) की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु।


कलेक्टर

जिला भिण्ड (म.प्र.)



प्रति.

कलेक्टर महोदय
जिला भिण्ड (म.प्र.)


विषय:-
सन्दर्भ:-


जिला सर्वेक्षण रिपोर्ट (DSR) के संबंध में प्रतिवेदन विषयक।
1. माननीय राष्ट्रीय हरित प्राधिकरण नई दिल्ली का आदेश 726/2018/ एवं 456/2018 दिनांक 04.11.2020।
2. संचालनालय, भौमिकी तथा खनिकर्म, म.प्र. भोपाल का पत्र क्रमांक-16039 दिनांक 25.11.2021 एवं पत्र क्रमांक 2981 दिनांक 03.03.2022।


—00—

उपरोक्त विषयांतर्गत आज दिनांक 18/07/2022 को कार्यालय संचालक, भौमिकी तथा खनिकर्म, मध्यप्रदेश भोपाल के पत्र क्रमांक 2981 दिनांक 03.03.2022 तथा कार्यालय कलेक्टर (खनिज शाखा) जिला भिण्ड का आदेश क्रमांक 5303 दिनांक 30.03.2022 के परिपालन में गठित समिति के सदस्य उपस्थित हुये। जिला स्तर पर गठित समिति के सदस्यों द्वारा रेत खनिज से भिन्न गौण खनिज क्रेशर पत्थर एवं मिट्टी हेतु पृथक-पृथक जिला सर्वेक्षण रिपोर्ट तैयार की गई तथा उसे आमजन की दावा/आपत्ति एवं सुझाव हेतु दिनांक 24.06.2022 को 21 दिन की अवधि के लिये जिले के पोर्टल bhind.nic.in पर तथा भौतिक रूप से अवलोकन हेतु खनिज कार्यालय में रखी गई। प्राप्त दावा/आपत्ति/सुझाव के आधार पर जिला सर्वेक्षण रिपोर्ट का पुनः परीक्षण कर आवश्यक संशोधन किया गया। इस प्रकार अंतिम रूप से तैयार जिला सर्वेक्षण रिपोर्ट (DSR) का समिति द्वारा अनुमोदन किया गया। प्रतिवेदन श्रीमान की ओर सादर प्रेषित है।


अनुविभागीय अधिकारी
राजस्व
(जिला भिण्ड (म.प्र.))


कल्याण सिंह
जल संसाधन विभाग
जिला भिण्ड (म.प्र.)


वनमण्डलाधिकारी
सामान्य वनमण्डल
जिला भिण्ड (म.प्र.)


प्रभारी अधिकारी
(खनिज शाखा)
जिला भिण्ड (म.प्र.)

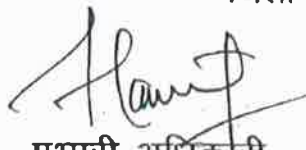


प्रभारी अधिकारी
राज्य प्रदूषण नियंत्रण मण्डल
ग्वालियर (म.प्र.)



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




District Survey Report: Bhind

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

District Survey Report: Bhind


1. Introduction

A mineral wise district survey report (DSR) of Bhind district for mining minor minerals has prepared as mentioned in the In pursuance to th Gazette Notification , Ministry of Environment , Forest and Climate Change (MoEF & CC), the Government of India Notification No 5.O. 141 (E) Appendix-X. Dated 15.01.2016 & S.O. 3611 (E) New Delhi, 25th July 2018 laid procedure for preparation of District Survey Report of Minor mineral. The main purpose of preparation of District Survey Report (DSR) is to identify the Minor Mineral resources and developing the minor mineral mining activities along with other relevant data of the district. The entire District lies in the Chambal valley. It forms the south western part of Ganga Valley. The Hills are only a few, small and isolated, mostly in the south west. It is only in the Bhind Tehsil that the rivers flow towards east. The topology of Bhind is the topography of the valley plains. The plains at present are closely cultivated fields devoid of trees, stubbed with shrubby growth only along the moist hollows , and thickly populated. The only divisions of topography are offered by the network of rivers with deep channels and steep bank. The shape of the district is semicircular, bulging towards the north east. The greatest length of Bhind district measures about 105 km south east to North West.

Objective of District Survey Report

The District Survey Report shall form the basis for application for environmental clearance , preparation of reports and appraisal of projects .

- The District Survey Report (DSR) shall be prepared for each minor mineral in the district separately .
- The Report shall be updated once every five years .


District Survey Report
ASSESSMENT OF MINOR MINERAL
(H.P.O.)
Paryavaran Kanban
C-5, Arera Colony, Bhopal-462015



District Survey Report: Bhind

Location and Boundary:

Bhind district is situated in the northern part of the Madhya Pradesh and covers an area of 4459 sq . km . It lies between N Latitude 25 55 and 26 ° 45 ' and E longitude 78 ° 12 ' and 79 ° 05 ' and falling in Survey of India toposheet numbers 54 J and N. The District is bounded by Agra and Etawa districts of Uttar Pradesh in the north and Gwalior and Datia districts in the south. The eastern boundary is closed by the districts of Etawah Auraiya and Jalaun of Uttar Pradesh in the east , where as the western and north western boundaries are common with Morena district . The north western boundary is marked by the Asan and the Kunwari rivers , the northern and eastern boundaries being traversed by the Chambal and the Pahuj . Bhind district is divided into 8 tehsils and 6 blocks . It has 949 villages.

History:

The district is named after the mythological Hindu saint Vibhandak Rishi. also called Bhindi Rishi . During the Mahabharata war it was believed to have been ruled by the Chedis , then the Yadus . The Chedis were one of the Mahajanapadas . In the Mughal period the district fell under the Subedar of Agra . At the latter half of the 17th century a Jat family founded the town of Gohad and captured all the territory around it . He was . however , defeated by the Bhadawar rajputs . In 1736 and 1737 , the Marathas defeated the Raja of Bhadawar and forced him to flee from the district . In 1805 , the British , under a treaty with Gwalior , gave all the land comprising Bhind to the Scindias of Gwalior . In 1899 , the Bhind Gwalior light rail was built .

[Handwritten signature]
ASSOCIATION
Banyavara
S. Arora Colony, Gwalior



District Survey Report: Bhind

Table 1 Administrative Setup of the District

SUB-DIVISION	TEHSIL	BLOCKS
Bhind	Bhind	Janpad Panchayat Bhind
Ater	Ater	Janpad Panchayat Ater
Lahar	Lahar	Janpad Panchayat Roun
Gohad	Mehgaon	Janpad Panchayat Lahar
Mehgoan	Mau	Janpad Panchayat Gohad
	Raon	Janpad Panchayat Mehgoan
	Mihona	
	Gohad	
	Gormi	


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



District Survey Report: Bhind

1.1 Location of the District

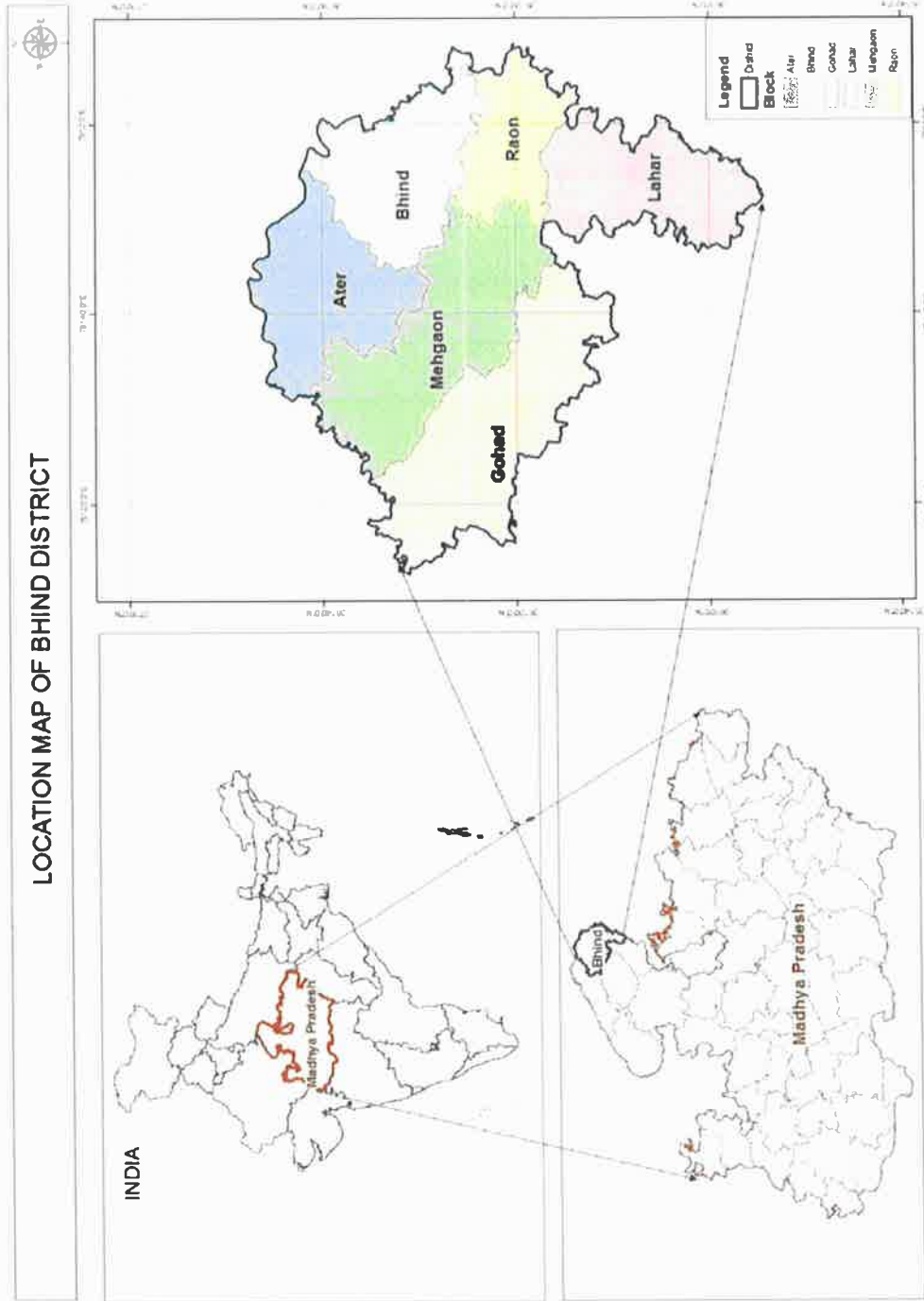


Figure 1 Location Map of the District

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



District Survey Report: Bhind

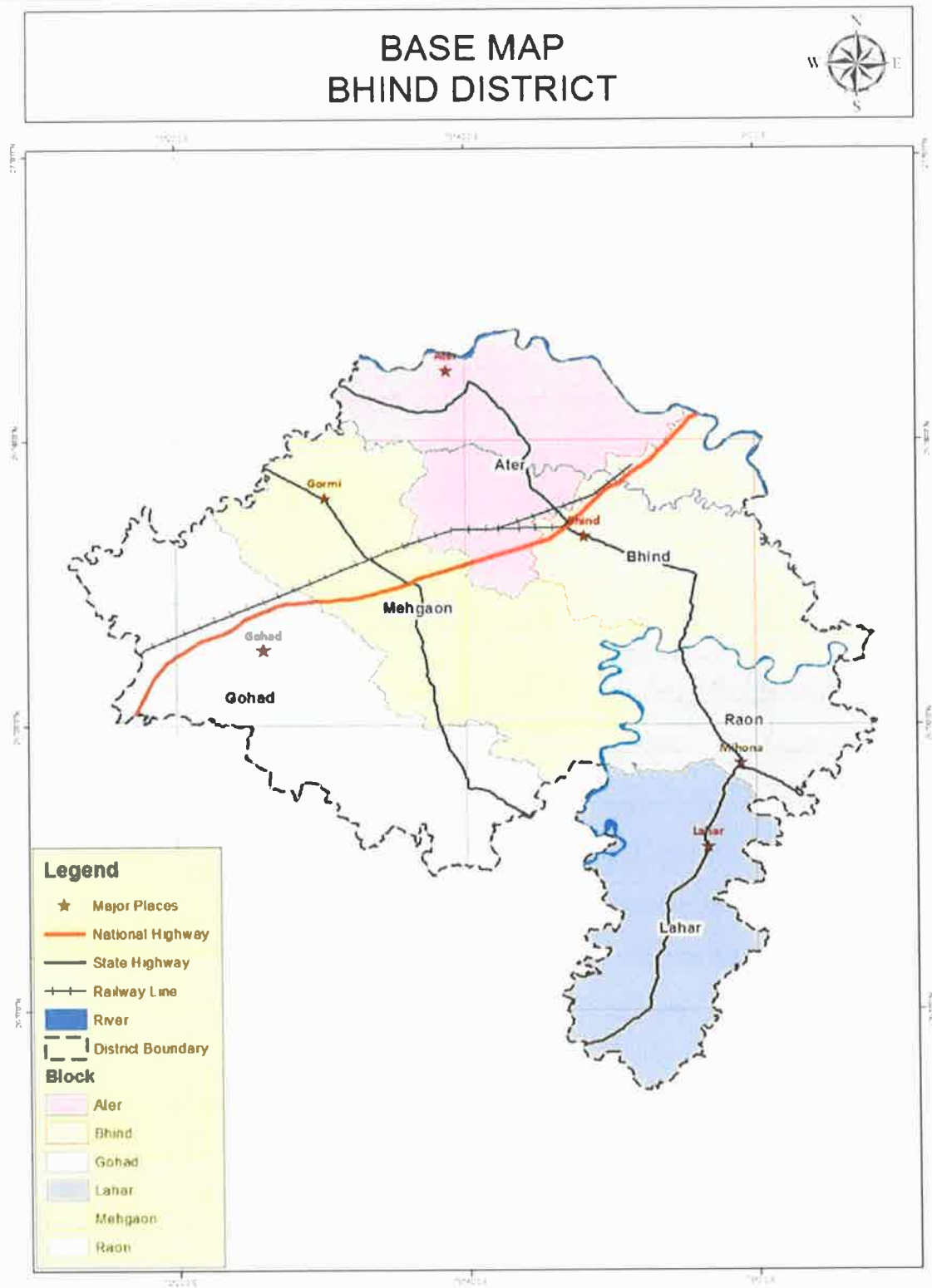


Figure 2 Base Map of the District

[Signature]
State Level Environment Impact
Assessment Authority, M.P.
(SEIAA)
Paryavaran aur
S. Arera Colony, Bhopal, M.P.



District Survey Report: Bhind

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 mined 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
Major Mineral		
1.	Nil	Nil
Minor Mineral		
2.	Stone Gitti	17,42,595.50 M ³
3.	Sand	15,02,315 M ³
4.	Soil Brick	12500 M ³

Mineral Production In the District

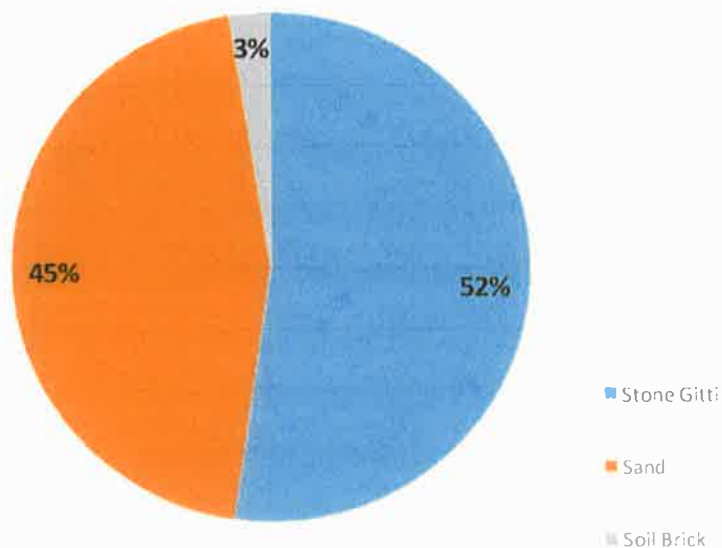
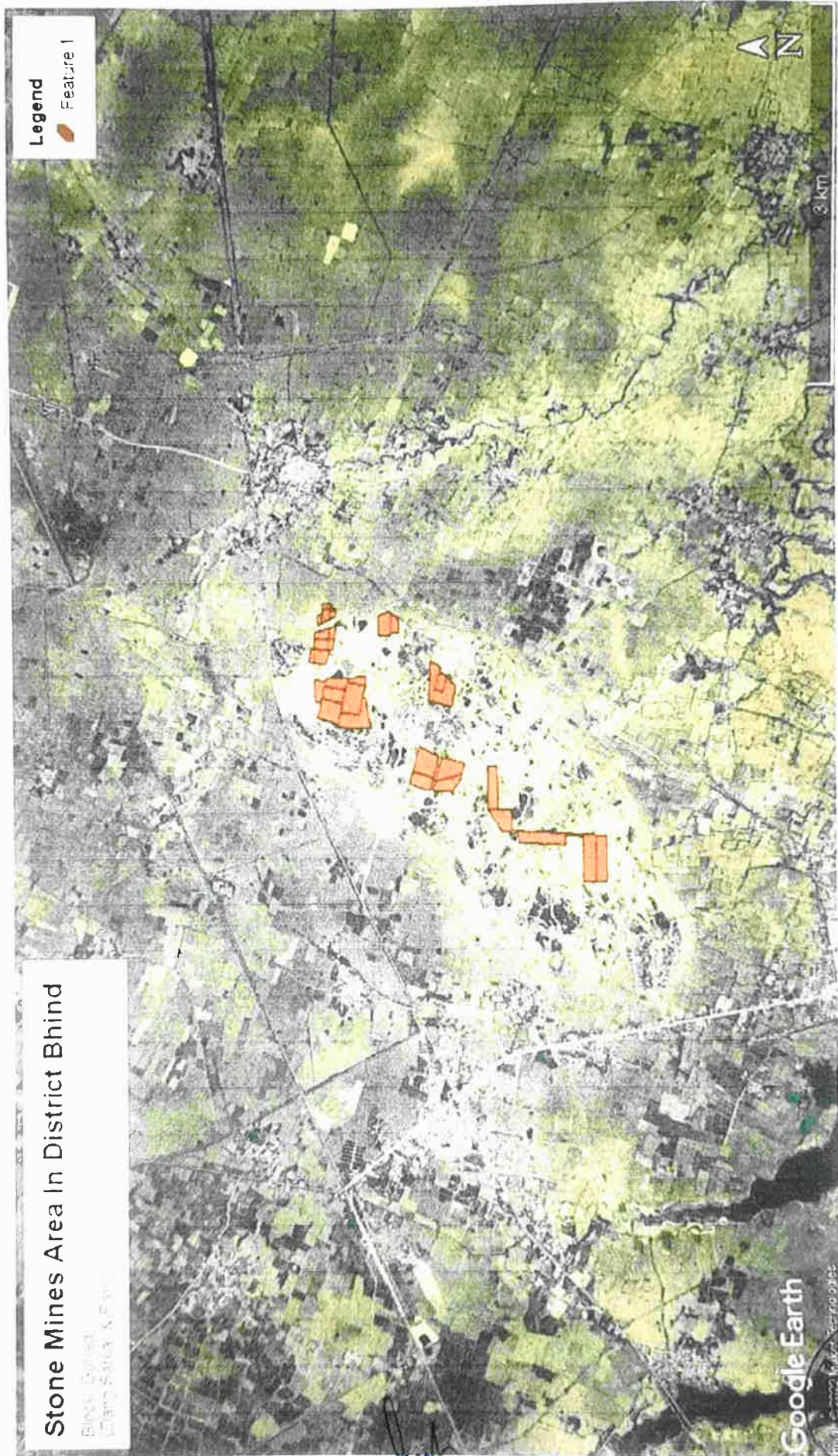


Figure 3 Production of Minor Mineral Mining in the District

[Handwritten signature]
District Surveyor (Mining)
Bhind
Daryavaran & Son
Bhind





Stone Mines Area In District Bhind

Block: Unnam
District: Satna & Etc

Legend
Feature 1

Google Earth

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

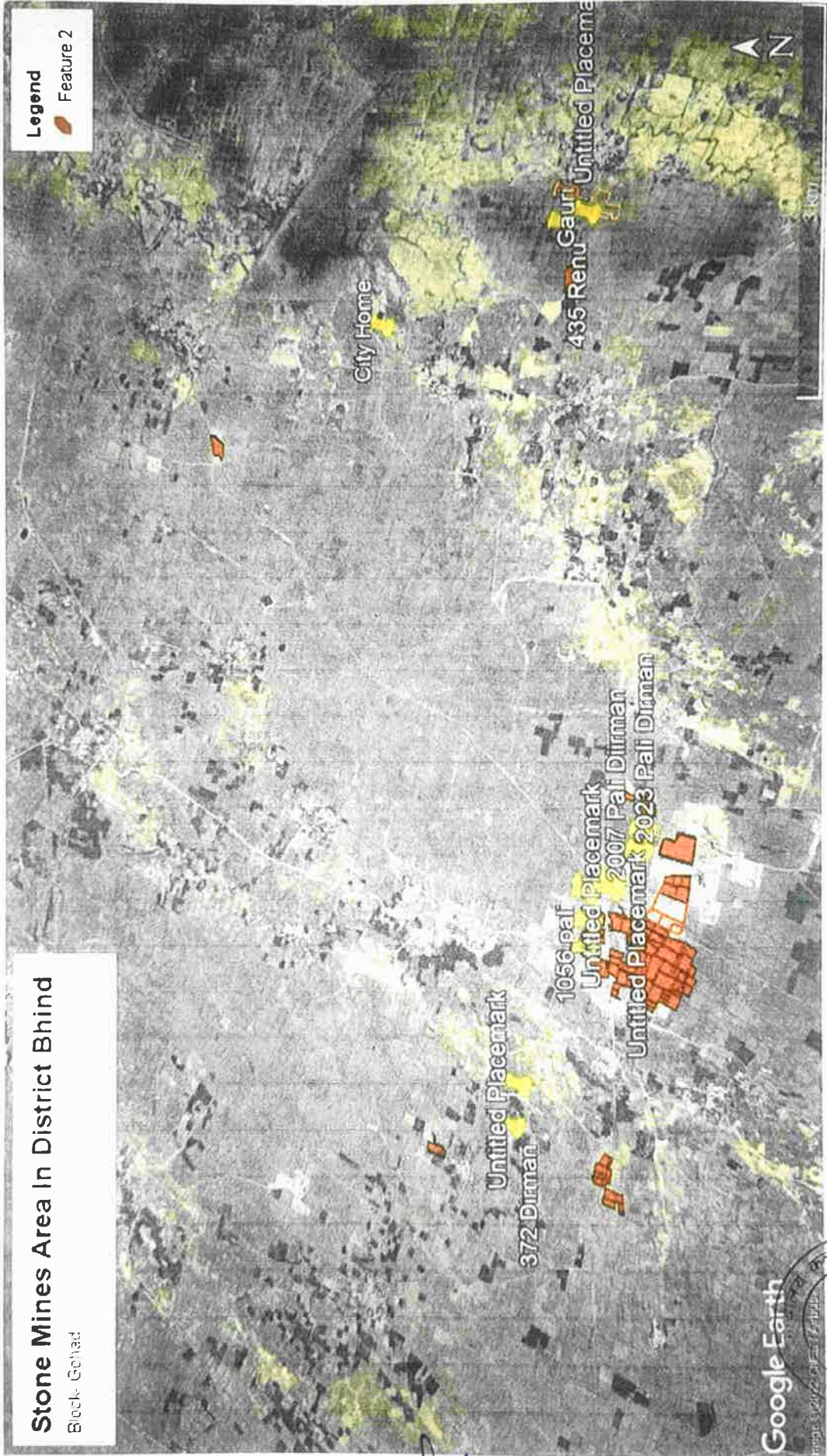
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Stone Mines Area In District Bhind

Block- Gehad

Legend

Feature 2



Google Earth



State Level Environmental Impact Assessment Authority, M.P. (EPCO)
Paryavaran Parishad
E-3, Arun Colony, Bhopal

District Survey Report Bhind

3. Minor Minerals Mined in the District

Table 3 List of Stone (Gitti) Smines in the District

Sl. No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of Lessee	Mining lease Grant Order No. & date	Area of Mining lease (ha.)	Period of Mining lease (Initial)		Period of Mining lease (1 st /2 nd renewal)	
						From	To	From	To
1	2	3	4	5	6	7	8	9	10
1	Gitti	Shri Kedar Singh S/o Dharam Singh	Kadora ka Pura, Ater District Bhind	5120/ 03.04.12	4.00 ha	16.04.2012	15.04.2022	1st	
2	Gitti	Jwala Sangathan Shiksha avam Samaaj Kalyan Samiti, Adhyaksh:	Ward No. 18, Bhind Road, Gohad, Bhind MP	7175/ 28.05.14	3.90 ha	06.06.2014	05.06.2024	-	
3	Gitti	M/s Maa Durga Stone Crusher	96, Saket Nagar Gird Gwalior MP	Q/ 25.02.14	4.00 ha	29.05.2014	28.05.2024	-	
4	Gitti	Shri Harpal Singh Tomar S/o Shri Mahesh Singh	Nabada Baag Bhind	1412/ 03.02.2016	2.00 ha	02.05.2016	01.05.2026	-	
5	Gitti	M/s Bhagwati Infratech Partner Shri Chetan Prakash Gupta	Add. 302, Bajrang Plaza, Tulsi vihar, City Center, Gwalior	3576/ 05.08.2017	1.450 ha	23.08.2017	22.08.2027	-	
6	Gitti	Shri Ateesh Jatav S/o Shri Jodharam	R/o Dileep Singh ka Pura, Tehsil Gohad, Bhind	2126-27 Bhind dated 21.12.2016	4.0 ha	15.02.2017	14.02.2027	-	
7	Gitti	Shrimati Guddi Bai W/o Shri Uttam Adivasi	R/o Matadeen ka Pura, Dang Sarkar, Tehsil Gohad, Bhind	1286/ 26.07.16	2.00 ha	03.05.2018	02.05.2028	-	
8	Gitti	Anil Kumar Jain S/o Shri Gyanchandra Jain MP	R/o 125, Sharda Bihar Colony Gwalior	14781-82/ Bhopal 19.07.2017	3.700 ha	04.09.2017	03.09.2027	-	
9	Gitti	Shrimati Madhu Jain W/o Anil Kumar Jain	R/o 125, Sharda Bihar Gwalior MP	14778-79/ Bhopal dated 19.07.2017	4.00 ha	04.09.2017	03.09.2027	-	


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State Level Environmental Impact Assessment
(EIA) Report
Banyana, Gwalior
E-5, Anand Colony, Gwalior (M.P.)



District Survey Report Bhind


Date of commencement of Mining Operation	Status (Working/Non-Working/Temp. Working for dispatch etc.)	Captive/Non-Captive	Obtained Environmental Clearance (Yes/No), If Yes Letter No with date of grant of EC.	Location of the Mining lease (Latitude & Longitude)	Method of Mining (Opencast/ Underground)
11	12	13	14	15	16
04.10.2013	Non Working	None-captive	Yes 939/17.06.2016	26028°09.2"N, 78027°15.3"E 26028°15.9"N, 78027°15.1"E 26028°15.8"N, 78027°22.6"E 26028°09.1"N, 78027°23.1"E	Opencast
19.11.2015	Working	None-captive	Yes 2679/29.06.2015	26028°15.040"N, 78027°20.362"E 26028°13.693"N, 78027°26.351"E 26028°06.652"N, 78027°26.284"E 26028°08.283"N, 78027°21.208"E	Opencast
13.06.2016	Working	None-captive	Yes 382/23.04.2016	26027°22.81"N, 78027°24.76"E 26027°29.62"N, 78027°24.03"E 26027°29.62"N, 78027°32.80"E	Opencast
14.12.2016	Working	None-captive	Yes 380/ 23.04.2016	26027°44.57"N, 78026°51.04"E 26027°44.12"N, 78026°52.90"E 26027°35.82"N, 78026°55.99"E 26027°36.07"N, 78026°54.87"E	Opencast
02.06.2018	Working	None-captive	Yes 4423/27.10.2020	26017°20.76"N, 78027°32.40"E 26017°20.50"N, 78027°34.64"E 26017°16.98"N, 78027°34.12"E 26017°16.93"N, 78027°34.52"E 26017°14.15"N, 78027°33.72"E 26017°14.42"N, 78027°30.78"E	Opencast
13.07.2018	Working	None-captive	yes 4898/18.05.2018	26.4705210N, 78.4599340E 26.4701870N, 78.4604990E 26.4700460N, 78.4603330E 26.4694220N, 78.4611750E 26.4684230N, 78.4600170E 26.4688130N, 78.4594300E 26.4689940N, 78.4594920E 26.4695790N, 78.4589320E	Opencast
06.02.2019	Working	None-captive	yes 5794/06.10.2018	26°27'48.6"N, 78°26'59.4"E	Opencast
13.11.2020	Non Working	None-captive	yes 5792/06.10.2018	26013°57.60"N, 78031°16.99"E 26013°55.12"N, 78031°23.24"E 26013°52.40"N, 78031°24.39"E 26013°50.76"N, 78031°23.91"E	Opencast
13.11.2020	Non Working	None-captive	yes 5749/05.10.2018	26013°57.60"N, 78031°16.99"E 26013°57.80"N, 78031°14.89"E 26013°58.20"N, 78031°14.80"E 26013°56.79"N, 78031°11.30"E 26013°56.75"N, 78031°10.75"E 26013°50.83"N, 78031°9.57"E 26013°50.04"N, 78031°10.82"E	Opencast


 State Level
 Assessment
 (B.P.C.)
 E. F. Arora
 Arora Company, Bhind



District Survey Report Bhind

10	Gitti	Shrimati Priyanka Jain W/o Shri Aditya Jain	R/o 102, Falke Apartment Chetakpuri Gwalior MP	7977-78/ Bhopal dated 09/05/2018	3.700 ha	09.08.2018	08.08.2028		
11	Gitti	Siddhi Vinayak Stone Aggregate Partner Shri Ajay Sharma S/o Shri Rajendra Prasad	R/o Meghpura Post Soni Mehgaon District Bhind MP	5862/ 18.10.2018	1.870 ha	18.10.2018	17.10.2028		
12	Gitti	Shri Rakesh Singh Jatav S/o Shri Jagdeesh Singh Jatav	R/o Behind Krishi Mandi, Tehsil Mehgaon, Bhind MP	20387-88/ Bhopal dated 22.11.2017	4.360 ha out of which marked:	19.02.2018	18.02.2028		
13	Gitti	Shrimati Preeti Jain W/o Shri Abhishek Jain	R/o C-204 Classic Swastik City Mangal Nagar Indore MP	14784-85/ Bhopal dated 19.07.2017	3.700 ha	&			
14	Gitti	Shri Atish Jatav S/o Shri Jodharam	R/o Dilip Singh ka Poora Tehsil	9558-62/ Bhopal dated	1.780 ha	20.05.2018	19.05.2028		
15	Gitti	Darsh Star Pvt Ltd Pro. Shri Amarnath Sharma	R/o 46, Shanti Vihar, Gwalior MP	5945/ 29.09.2018	3.00 ha	20.12.2018	19.12.2028		
16	Gitti	Shri Ganesh Infratech Partner Shri Munendra Mangal	R/o Prathamtal Ganesh Gas Agency Sadar Bazaar Murar Gwalior MP	7479-7480/ 12.03.2019	2.864 ha	23.02.2019	22.02.2029		
17	Gitti	M/s Maa Sharda Stone Crusher Partner Shri Ranveer Singh Yadav S/o Shri Jandel Singh	R/o A-146 Major Ahmad ka makan Anand Nagar Bahodapur Gwalior MP	408-409/ 12.06.2019	1.340 ha	17.07.2019	16.07.2029		
18	Gitti	Kedar Singh S/o Shri Prahalad Singh	R/o Kiratpura Tehsil Gohad District Bhind	14144-45/Bhopal dated	4.000 ha	06.05.2016	05.05.2026	1st	


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



District Survey Report Bhind

26.09.2019	Working	None-captive	yes 5790/06.10.2018	26012'50.92"N, 78032'41.60"E 26012'52.47"N, 78032'39.64"E 26012'54.41"N, 78032'41.40"E 26012'54.97"N, 78032'40.47"E 26012'56.80"N, 78032'44.07"E 26012'55.18"N, 78032'48.03"E	Opencast
26.07.2019	Working	None-captive	yes 5736/03.10.2018	26016'9.74"N, 78028'33.84"E 26016'12.54"N, 78028'34.89"E 26016'9.34"N, 78028'41.65"E 26016'6.08"N, 78028'40.62"E	Opencast
26.06.2020	Working	None-captive	yes 5732/03.10.2018	26027'45.11"N, 78027'22.08"E 26027'43.46"N, 78027'26.27"E 26027'41.84"N, 78027'26.43"E 26027'41.13"N, 78027'25.23"E	Opencast
	Non Working	None-captive	yes 5788/06.10.2018	26013'52.82"N, 78031'15.43"E 26013'50.76"N, 78031'23.91"E 26013'46.50"N, 78031'16.48"E 26013'48.33"N, 78031'21.50"E 26013'47.49"N, 78031'19.21"E 26013'47.32"N, 78031'13.74"E	Opencast
	Non Working	None-captive	yes 5740/03.10.2018		Opencast
11.09.2019	Working	None-captive	yes 3118/15.11.2019	26016'21.86"N, 78028'45.86"E 26016'21.79"N, 78028'50.85"E 26016'17.87"N, 78028'50.59"E 26016'17.89"N, 78028'50.01"E 26016'16.82"N, 78028'49.69"E 26016'16.83"N, 78028'50.76"E 26016'16.26"N, 78028'50.61"E 26016'16.37"N, 78028'49.61"E 26016'14.92"N, 78028'49.16"E 26016'14.98"N, 78028'48.29"E 26016'14.01"N, 78028'47.91"E 26016'14.83"N, 78028'45.12"E 26016'17.26"N, 78028'45.89"E 26016'17.74"N, 78028'44.35"E 26016'17.88"N, 78028'44.37"E 26016'17.83"N, 78028'45.25"E	Opencast
28.11.2020	Working	None-captive	yes 1313/24.06.2019	26016'29.57"N, 78028'35.70"E 26016'28.60"N, 78028'42.72"E 26016'26.20"N, 78028'42.09"E 26016'26.68"N, 78028'39.25"E 26016'25.98"N, 78028'33.74"E 26016'25.86"N, 78028'34.73"E	Opencast
11.11.2020	Working	None-captive	yes 2385/25.09.2019	26016'19.48"N, 78028'32.28"E 26016'20.00"N, 78028'30.50"E 26016'22.10"N, 78028'30.48"E 26016'22.09"N, 78028'32.82"E 26016'20.42"N, 78028'32.92"E 26016'20.36"N, 78028'36.60"E 26016'17.00"N, 78028'35.90"E 26016'18.20"N, 78028'32.35"E	Opencast
04.07.2019	Working	None-captive	yes 7462/09.11.2015	26027'0.149"N, 78026'22.618"E 26027'0.407"N, 78026'37.047"E 26026'57.160"N, 78026'37.119"E	Opencast


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



District Survey Report Bhind

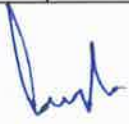
19	Gitti	Kishanpal Singh S/o Shri Maheshpal Singh Tomar	R/o Nabadabaag District Bhind	14148-49 dated 01.09.2016	3.000 ha	26.04.2016	25.04.2026	1st	-
20	Gitti	Ahivaran Singh S/o Shri Bhikam Singh	R/o Kiratpura Ward No. 17 Tehsil Gohad District Bhind MP	14141-42/ Bhopal dated 01.09.2016	4.000 ha	06.05.2016	05.05.2026	1st	-
21	Gitti	M/s Sundarnath Stone Crusher Gwalior Mp	R/o 66, Ater Road, Navadabag Bhind MP Partner Shri Ajaypal Singh Tomar S/o Mahesh Singh	65-66/ Bhind dated 21/05/2020	1.930 ha	06.07.2020	05.07.2030	-	-
22	Gitti	M/s Anjani Stone Crusher Partner Shri Praanveer Singh Kushwaha	R/o Krishna Nagar Gole ka Mandir Gwalior MP	155-156/ Bhind dated 30/05/2020	3.00 ha	18.06.2021	17.06.2031	-	-
23	Gitti	M/s Yashstar Stones Pvt Ltd Pro. Shri Dharmendra Dantre	R/o 46 Shanti Bihari Colony Gwalior	1799-1800/ Bhind dated 03.03.2020	4.800 ha	03.03.2020	02.03.2030	-	-
24	Gitti	Aman Yadav S/o Shri Mahendra Singh Yadav	R/o Jamuna Nagar Darpan Colony Thatipur Gwalior MP	1843-44 Bhind dated 07.03.2020	2.00 ha	11.06.2020	10.06.2030	-	-
25	Gitti	Rahul Singh Yadav S/o Shri Bachan Singh Yadav	R/o Jamuna Nagar Darpan Colony Thatipur	1845-46 Bhind dated 07.03.2020	1.488 ha	11.06.2020	10.06.2030	-	-
26	Gitti	Hariraam Singh S/o Shri Ramadhaar Singh	R/o Gram Dhuraiya ka pura Barendra Morena MP	1277-78/ 28.11.2020	4.00 ha	21.12.2020	20.12.2030	-	-
27	Gitti	M/s J.P. Infracon Partner Shri Pushpendra Gupta	Add. 12, Nagar Nigam Complex Hospital Road Gwalior MP	5001-02/04.02.2022	7.110 ha	10.02.2022	09.02.2032	-	-


 State Level Environment Impact
 Assessment Authority, M.C.
 (EPG)I
 Patyavara-4
 C-5, Arera Colony, Bhopal-462015



District Survey Report Bhind

02.09.2020	Working	None-captive	yes 746/18.04.2016	26027'29.86"N, 78026'43.28"E 26027'29.88"N, 78026'56.98"E 26027'27.32"N, 78026'57.10"E	Opencast
20.05.2021	Working	None-captive	yes 385/08.04.2021	26026'56.17"N, 78026'23.93"E 26026'55.08"N, 78026'38.57"E 26026'51.83"N, 78026'38.18"E 26026'53.08"N, 78026'23.70"E	Opencast
12.08.2021	Working	None-captive	yes 1140/19.06.2020	26018'38.727"N, 78031'36.736"E 26018'35.273"N, 78031'34.060"E 26018'34.826"N, 78031'30.895"E 26018'34.203"N, 78031'27.528"E 26018'34.904"N, 78031'27.445"E 26018'35.048"N, 78031'28.691"E 26018'37.510"N, 78031'28.486"E	Opencast
	Non Working	None-captive	yes 3610/14.10.2020	26016'26.44"N, 78028'32.34"E 26016'31.50"N, 78028'34.18"E 26016'30.52"N, 78028'36.85"E 26016'28.64"N, 78028'36.30"E 26016'28.03"N, 78028'39.40"E 26016'26.44"N, 78028'40.22"E 26016'23.80"N, 78028'39.34"E	Opencast
02.07.2021	Working	None-captive	yes 371/08.04.2021	26016'17.50"N, 78028'47.73"E 26016'14.63"N, 78028'47.09"E 26016'13.75"N, 78028'49.31"E 26016'7.06"N, 78028'46.50"E 26016'7.73"N, 78028'44.69"E 26016'9.89"N, 78028'41.72"E	Opencast
13.01.2021	Working	None-captive	yes 1248/23.06.2020	26016'20.17"N, 78028'36.90"E 26016'19.34"N, 78028'39.06"E 26016'17.28"N, 78028'38.44"E 26016'15.99"N, 78028'43.55"E 26016'13.51"N, 78028'42.67"E	Opencast
13.01.2021	Working	None-captive	yes 1246/23.06.2020	26016'28.26"N, 78028'49.36"E 26016'27.43"N, 78028'53.97"E 26016'23.43"N, 78028'52.93"E	Opencast
26.02.2021	Working	None-captive	yes 3804/19.10.2020	26016'29.64"N, 78032'03.96"E 26016'30.48"N, 78032'4.20"E 26016'34.41"N, 78032'10.40"E 26016'34.16"N, 78032'11.68"E 26016'30.68"N, 78032'11.86"E 26016'29.54"N, 78032'12.28"E 26016'28.19"N, 78032'7.88"E	Opencast
05.04.2022	Working	None-captive	yes EC2213001MP13 4560/17.01.2022	26016'07.10"N, 78028'23.73"E 26016'07.79"N, 78028'24.25"E 26016'06.63"N, 78028'27.20"E 26016'7.00"N, 78028'27.77"E 26016'04.11"N, 78028'35.32"E 26016'05.29"N, 78028'35.94"E 26015'57.67"N, 78028'38.23"E 26016'00.73"N, 78028'30.47"E 26016'02.70"N, 78028'31.10"E 26016'04.52"N, 78028'26.14"E 26016'5.60"N, 78028'26.66"E	Opencast


State Level Environmental
Assessment Authority
 (EPA)
 Parvati Nagar
 P. S. Arera Colony, Bhopal



District Survey Report Bhind

28	Gitti	M/s Dileep Buildcon Ltd	R/o Plot No. 5, Govind Narayan Parisar Choona Bhatti Kolar Road Bhopal	1890-91 Bhind 13.01.2021	3.500 ha	13.01.2021	12.01.2031
29	Gitti	M/s Priska Infratech Pvt Ltd Pro. Shri Amit Kumar	R/o Flat No. 101 Virendra Patel Nagar City Centre Gwalior MP	1894-95 Bhind 13.01.2021	2.390 ha	13.01.2021	12.01.2031
30	Gitti	M/s Arcon Mines and Minerals LLP Pro. Shri Sashank Singh	R/o Flat No. 101 Virendra Patel Nagar City Centre Gwalior MP	1896-97 Bhind 13.01.2021	2.850 ha	27.06.2022	26.06.2032
31	Gitti	M/s Shri Chakradhari Stones LLP Partner Shri Sahil saleem Gwalior	R/o Flat no. 803, RR Tower AB Bahodapur Road Lashkar	1106-07 Bhind dated 13.11.2020	4.00 ha	24.11.2020	23.11.2030
32	Gitti	S.R.S. Star Mining Industries Pvt Ltd Pro. Shri Ramnivas Sharma	R/o 46, Shanti Vihar Colony Gwalior MP	1921-22 Bhind 22.01.2021	4.900 ha	22.01.2021	21.01.2031
33	Gitti	Kuwar Arun Pratap S/o Shri Janak Singh Kushwaha	R/o 34 Ward No. 26 Near Bhartiya Vidhya Mandir, Vijay Nagar Shajapur MP	3000-01 Bhind 03.05.2021	2.310 ha	03.05.2021	02.05.2031
34	Gitti	Shri Gurpreet Singh S/o Shri Harvansh Singh	R/o Purani Chhavni, Punjabipura Post Motijheel District Gwalior MP	4076-77 Bhind 13.08.2021	1.290 ha	13.08.2021	12.08.2031

State Level
Assessment
Part 1
Asra Colony



District Survey Report Bhind

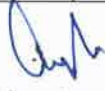
25.06.2021	Working	None-captive	yes 3614/14.10.2020	26028'09.92"N, 78027'48.38"E 26028'13.82"N, 78027'49.43"E 26028'11.84"N, 78027'57.84"E 26028'08.23"N, 78027'56.10"E 26028'06.91"N, 78027'54.19"E 26028'07.98"N, 78027'48.53"E 26028'09.78"N, 78027'49.06"E	Opencast
28.10.2021	Working	None-captive	yes 3698/16.10.2020	26016'25.87"N, 78027'25.52"E 26016'25.06"N, 78027'30.40"E 26016'19.67"N, 78027'29.51"E 26016'19.53"N, 78027'23.56"E 26016'21.00"N, 78027'23.71"E 26016'21.02"N, 78027'27.11"E 26016'22.15"N, 78027'27.24"E 26016'22.33"N, 78027'24.99"E	Opencast
	Non Working	None-captive	yes 4271/27.10.2020	26016'28.76"N, 78027'32.91"E 26016'27.70"N, 78027'37.30"E 26016'27.06"N, 78027'37.31"E 26016'25.13"N, 78027'40.60"E 26016'23.79"N, 78027'39.85"E 26016'24.07"N, 78027'37.16"E 26016'22.80"N, 78027'36.74"E 26016'23.72"N, 78027'31.50"E 26016'24.80"N, 78027'30.87"E 26016'26.17"N, 78027'30.68"E 26016'25.94"N, 78027'32.77"E	Opencast
13.01.2021	Working	None-captive	yes 4375/27.10.2020	26016'08.00"N, 78029'00.80"E 26016'06.76"N, 78029'06.13"E 26016'04.99"N, 78029'06.54"E 26016'02.68"N, 78029'06.78"E 26016'00.37"N, 78029'06.75"E 26016'00.69"N, 78028'58.60"E	Opencast
27.04.2021	Working	None-captive	yes 5530/06.01.2021	26023'11.79"N, 78024'31.11"E 26023'6.15"N, 78024'42.47"E 26023'2.47"N, 78024'41.26"E 26023'6.63"N, 78024'29.31"E	Opencast
28.04.2022	Non Working	None-captive	yes 3746/16.10.2020	26023'22.39"N, 78024'59.05"E 26023'22.14"N, 78024'2.80"E 26023'19.04"N, 78024'2.24"E 26023'18.31"N, 78025'5.69"E 26023'15.99"N, 78025'4.69"E 26023'16.93"N, 78025'0.40"E 26023'17.21"N, 78024'58.24"E	Opencast
	Non Working	None-captive	yes 6595/18.02.2021	26016'20.50"N, 78028'34.36"E 26016'22.30"N, 78028'34.87"E 26016'22.33"N, 78028'36.73"E 26016'22.59"N, 78028'41.02"E 26016'19.01"N, 78028'39.93"E 26016'20.01"N, 78028'37.57"E	Opencast

State Land Survey
Assessment
(S.O.)
Durgam Chauraha
Bhind, Madhya Pradesh



District Survey Report Bhind

35	Gitti	M/s Kaila Devi Mining and Stone Crusher LLP Partner Shri Atul Kumar Mangal	R/o Ist Floor, Orion Tower, Plot Number 11, City Centre Gwalior MP	2316-17 Bhind 26.02.2021	3.890 ha	01.04.2021	31.03.2031	-
36	Gitti	Siddhi Vinayak Stone Aggregate partner Shri Shailendra Singh Yadav	R/o Kushwaha Colony Etawah Road District Bhind MP	14240-41/ 01.12.2020	13.200 ha	13.03.2021	12.03.2031	-
37	Gitti	M/s Sidhh Gurukripa Construction Company Pro. Abhinav Vyas S/o Shri Pawan Vyas	R/o Vyas Gali Near P.G.V. College Jivajiganj Gwalior MP	15782/B - /26.12.2020	1.250 ha			-
38	Gitti	Urbandoor Mining Pvt Ltd Pro. Faisal Khan	R/o B-90 Vibhuti Khand Gomati Nagar Lucknow UP	2304-05 Bhind dated 26.02.2021	4.00 ha	25.03.2021	24.03.2031	-


 State Land Survey Department
 Gwalior
 District Bhind
 Date: 26.02.2021



District Survey Report Bhind

11.01.2022	Working	None-captive	yes 6786/19.02.2021	26016'09.03"N, 78029'23.21"E 26016'15.59"N, 78029'24.60"E 26016'15.03"N, 78029'27.38"E 26016'19.27"N, 78029'28.65"E 26016'18.86"N, 78029'30.50"E 26016'14.82"N, 78029'29.36"E 26016'12.20"N, 78029'28.16"E 26016'11.63"N, 78029'31.77"E 26016'10.20"N, 78029'31.46"E 26016'08.68"N, 78029'30.48"E 26016'10.01"N, 78029'27.52"E 26016'08.98"N, 78029'27.37"E 26016'08.75"N, 78029'25.72"E	Opencast
02.07.2021	Working	None-captive	yes 600/18.05.2021	26016'17.86"N, 78028'32.04"E 26016'16.78"N, 78028'35.43"E 26016'15.61"N, 78028'35.28"E 26016'13.60"N, 78028'42.37"E 26016'10.52"N, 78028'41.35"E 26016'12.55"N, 78028'34.87"E 26016'9.96"N, 78028'33.92"E 26016'9.22"N, 78028'35.44"E 26016'7.19"N, 78028'40.67"E 26016'9.81"N, 78028'41.64"E 26016'6.45"N, 78028'47.21"E 26016'5.42"N, 78028'39.39"E 26016'4.96"N, 78028'39.16"E 26016'6.07"N, 78028'36.03"E 26016'4.18"N, 78028'35.29"E 26016'5.84"N, 78028'30.07"E 26016'6.57"N, 78028'30.30"E 26016'7.53"N, 78028'27.88"E 26016'8.77"N, 78028'28.40"E 26016'9.92"N, 78028'25.76"E 26016'11.22"N, 78028'25.25"E 26016'16.53"N, 78028'28.48"E 26016'15.61"N, 78028'31.20"E	Opencast
	Non-Working	None-captive	No		Opencast
10.02.2022	Working	None-captive	yes EC 2213001MP13 7700/12.01.2022	26016'15.04"N, 78028'59.08"E 26016'14.46"N, 78029'03.21"E 26016'11.53"N, 78029'04.08"E 26016'10.82"N, 78029'05.12"E 26016'10.45"N, 78028'54.68"E 26016'11.07"N, 78028'54.76"E 26016'11.62"N, 78028'55.31"E 26016'12.85"N, 78028'55.95"E 26016'12.08"N, 78028'58.60"E	Opencast


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**State Level Environment Impact
Assessment Authority, M.P.
(EPCO)**
Rajwah
E-5, /



District Survey Report Bhind

39	Gitti	M/s Raj Corporation Limited Authorised Person Shri Jagdeesh Singh	R/o Gali No. 3 Punjabi Colony Mainpuri UP	3002-03 Bhind dated 03.05.2021	4.00 ha.	03.05.2021	02.05.2031
40	Gitti	M/s Simran Stone Crusher Partner Shri Ranveer Singh	R/o Nahar Singh Rathore ka makan, Jadhav Colony, Vinay Nagar Tiraha Gwalior MP	4078-79 Bhind dated 13.08.2021	4.17 ha.	13.08.2021	12.08.2031
41	Gitti	M/s Gurukripa Stone Crusher Partner Shri Chandra Prakash	R/o F-11 City Bazaar Thatipur Gwalior MP	-	2.064 ha	-	-
42	Gitti	M/s Gauri Granite Partner Shri Jayant Sharma	Plot no. CS Beer Awas Gram Khureri Murar Gwalior	-	3.240 ha	-	-
43	Gitti	Sarathi Stone Aggregate partner Shri Bhupendra Singh	R/o A 27, Ramdayal Nagar Bhind Road Gwalior	4383-84 Bhind dated 06.10.2021	4.00 ha	29.03.2022	28.03.2032
44	Gitti	M/s Sun Stone Partner Shri Dhananjay Khandelwal	R/o Paras Jewellers, Sadar bajaar, Murar Gwalior MP	-	4.00 ha	-	-


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



District Survey Report Bhind

02.07.2021	Working	None-captive	yes 702/18.05.2021	26016'6.77"N, 78029'12.07"E 26016'5.57"N, 78029'17.28"E 26016'3.98"N, 78029'17.01"E 26016'3.63"N, 78029'18.72"E 26016'57.89"N, 78029'18.15"E 26016'58.24"N, 78029'15.83"E 26016'1.95"N, 78029'11.64"E 26016'1.94"N, 78029'12.37"E 26016'1.11"N, 78029'13.56"E	Opencast
23.08.2022	Working	None-captive	yes 608/18.05.2021	26020'54.42"N, 78027'51.17"E 26020'55.58"N, 78027'51.77"E 26020'57.69"N, 78027'52.49"E 26020'56.77"N, 78027'56.36"E 26021'03.45"N, 78027'48.31"E 26021'00.07"N, 78027'47.30"E 26020'56.19"N, 78027'45.44"E	Opencast
-	Non Working	None-captive	No	26017'8.79"N, 78026'49.08"E 26017'1.88"N, 78026'52.73"E 26017'0.96"N, 78026'52.79"E 26017'1.39"N, 78026'49.33"E 26017'2.16"N, 78026'49.34"E 26017'2.95"N, 78026'47.03"E	Opencast
-	Non Working	None-captive	No		Opencast
06.06.2022	Working	None-captive	yes EC21B001MP11 0934/19.12.2021	26023'46.800"N, 78025'25.922"E 26023'46.071"N, 78025'30.147"E 26023'43.458"N, 78025'28.748"E 26023'35.246"N, 78025'25.583"E 26023'36.781"N, 78025'21.314"E 26023'39.626"N, 78025'22.683"E 26023'39.633"N, 78025'23.239"E 26023'41.862"N, 78025'24.343"E 26023'41.944"N, 78025'24.182"E 26023'44.489"N, 78025'25.062"E	Opencast
-	Non Working	None-captive	No	26016'22.38"N, 78028'41.06"E 26016'22.07"N, 78028'43.12"E 26016'22.20"N, 78028'44.71"E 26016'20.89"N, 78028'45.00"E 26016'22.58"N, 78028'45.20"E 26016'22.51"N, 78028'47.82"E 26016'21.78"N, 78028'47.80"E 26016'17.54"N, 78028'46.39"E 26016'17.23"N, 78028'46.34"E 26016'17.57"N, 78028'44.36"E 26016'15.63"N, 78028'43.43"E 26016'17.24"N, 78028'38.50"E 26016'19.17"N, 78028'39.35"E 26016'19.11"N, 78028'39.61"E	Opencast


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State Level Environment Impact
Assessment Authority, M.S.
(EIA-2017)
Baryawade, Dist. Solapur
E-5, Area 1, Solapur



District Survey Report Bhind

45	Gitti	Shrimati Renu Gurjar W/o Shri Ravi Gurjar	R/o Gram and Post Dhanela Tehsil and District Morena MP		1.810 ha			
46	Gitti	M/s Mehndipur Balaji Mines And Minerals Partner Shri Manish Singh	Add. Flat No. 514, Prakriti Eedan Shahpura Thana road Bavadiyakalan Bhopal MP	3378-79 Bhopal Dated 11.03.2022	3.650 ha	27.05.2022	26.05.2032	
47	Gitti	Alpine Stone LLP Authourised Person Shri Purushottam Sharma	Add. Near Dr. Khemraaj, Ward No. 12, Dharpuri, Choubeybaag, Bhind		1.128 ha			
48	Gitti	M/s Sectaram Stones Partner Shri Dharmendra Dantre	Add. B-11, Purushottam vihar, Gole ka Mandir, Gwalior		4.640 ha			
49	Gitti	City Home Developers Partner Shri Anuraag Pathak	Add. House No. 228, Pragati Bhavan, Koteshwar Colony, Ward No. 10, Front of Koteshwar Temple, Gwalior		2.500 ha			
50	Gitti	Ashok Shingh S/o Shri Nanhe Singh	Add. Darpan colony, Thatipur, Gwalior	12972-73 Bhopal Dated 21.09.2021	2.970 ha			


State Level Revenue Department
Assessment Authority
(RDCG)
 Bhind
 E-5, Arora Colony



District Survey Report Bhind

	Non-Working	None-captive	No	26016'29.295"N, 78032'18.293"E 26016'27.719"N, 78032'18.345"E 26016'27.498"N, 78032'21.229"E 26016'24.163"N, 78032'21.017"E 26016'23.184"N, 78032'25.252"E 26016'23.748"N, 78032'25.373"E 26016'25.810"N, 78032'25.760"E 26016'26.243"N, 78032'23.433"E 26016'29.692"N, 78032'23.782"E	Opencast
12.07.2022	Working	None-captive	Yes EC22B001MP 113632/ 07.03.2022	26023'8.784"N, 78025'17.447"E 26023'8.612"N, 78025'20.231"E 26023'8.169"N, 78025'22.610"E 26023'7.972"N, 78025'25.962"E 26023'7.603"N, 78025'26.746"E 26023'6.637"N, 78025'26.644"E 26023'4.733"N, 78025'25.611"E 26023'5.459"N, 78025'22.510"E 26023'3.914"N, 78025'22.005"E 26023'2.157"N, 78025'21.491"E 26023'2.735"N, 78025'19.265"E 26023'3.396"N, 78025'16.434"E 26023'5.601"N, 78025'16.993"E 26023'7.237"N, 78025'17.309"E	Opencast
-	Non-Working	None-captive	No	26023'46.800"N, 78025'25.922"E 26023'46.071"N, 78025'30.147"E 26023'43.458"N, 78025'28.748"E 26023'42.999"N, 78025'29.467"E 26023'39.747"N, 78025'27.236"E 26023'39.635"N, 78025'27.354"E 26023'38.093"N, 78025'26.420"E 26023'37.813"N, 78025'27.007"E 26023'35.246"N, 78025'25.583"E 26023'36.781"N, 78025'21.314"E 26023'39.626"N, 78025'22.683"E 26023'39.633"N, 78025'23.239"E 26023'41.862"N, 78025'24.343"E	Opencast
-	Non-Working	None-captive	No	26016'10.27"N, 78028'55.57"E 26016'8.19"N, 78029'1.03"E 26016'0.98"N, 78028'58.22"E 26016'2.14"N, 78028'52.11"E	Opencast
-	Non-Working	None-captive	No		Opencast
-	Non-Working	None-captive	yes 860/24.05.2021	26°15'46.766"N, 78°27'49.532"E	Opencast


 State Level Environment Impact
 Assessment Authority, M.P.
 Paryavaran Parishad
 E-5, Aera CT Building, Bhopal (M.P.)



4 Details of Licensing Fee received in last three years for Minor Mineral Mine lease (2018-19, 2019-20 and 2020-2021):

Table 4 Licensing Fee received in last three years for Minor Mineral Mine lease

Year	Minerals	Licensing Fee (In Rs.)
2018 – 19	Stone Gitti	4,43,19,040
2019 – 20	Stone Gitti	6,38,73,650.4
2020 – 21	Stone Gitti	20,91,11,460

Details of Minor Mineral Production in last 3 years (2018-19, 2019-20 and 2020-2021):

Table 5 Minor Mineral Production in last 3 years

Year	Minerals	Production(In Cu.Mt)
2018 – 19	Stone Gitti	4,43,190.40
2019 – 20	Stone Gitti	6,08,320.48
2020 – 21	Stone Gitti	17,42,595.50

5 Mine Waste Management

Removal of ore from earth generates large quantities of waste such as soil, debris, overburden etc. The bigger the scale of mining, greater is the quantum of waste generation. Open cast mines generate much higher quantities of waste as compared to the underground mines producing 8 to 10 times as much waste as underground mines. However, these are variable and depend on the type of deposit and geology of the project location. All types of mineral mining generate waste materials.

A waste audit will provide information on sources and types of all wastes produced, their characteristics, generation pattern, and cost of storage, treatment and disposal.

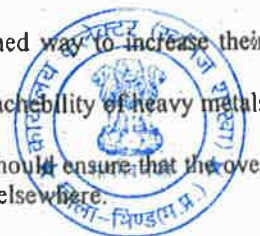
The waste rock generated from both opencast and underground mines varies every year and may require external dumping when opening up. In case of opencast mines progressing internal dumping may be resorted to as far as possible.

The anticipated impacts are

- Impact of run off from overburden, topsoil, low-grade ore and other stockpiles on water bodies (siltation, contamination etc)
- Loss of vegetation and wildlife habitat
- Impact on surrounding agricultural land
- Impact on groundwater quality due to leachate from stockpiles, tailings dam
- Sliding of waste dumps

The dumps should have the following protection measures:

- The individual dump should have maximum slope of 37° and an overall slope not exceed 28°.
- The external dump should have stretches of retaining wall at suitable locations.
- The wall should be constructed with suitable height and top surface. The wall will have weep holes to drain out water to the garland drain.
- The back-filled areas should be levelled to match with adjoining ground level.
- The completed dumps and the back-filled areas should be afforested in a planned way to increase their stability.
- Over burden in most cases are not contaminated. However, composition of the leachability of heavy metals of over burden and low grade ore dumpsites are very important.
- Excavation of new pit should begin only after an existing pit is exhausted. This should ensure that the over burden and inter burden generated is use for back filling instead of being dumped elsewhere.



District Survey Report: Bhind

- The top soil prior to drilling and blasting should be stacked at designated area surrounded by embankment to prevent erosion.
- The over burden and top soil dumps should be stabilized by plantation and ankering with coir nets / blankets.
- Phase-wise waste management should be shown on surface plan in the mine leased area for the 5th year, 10th year, 15th year 20th year, 25th year and 30th year.
- Waste generated from treatment of mine drainage, if normally designated as hazardous waste as per the relevant rules should be disposed off as landfill. Used oil should be stored properly and sold to registered reprocessor.
- The solid waste from the township should be subjected to aerobic composting or vermi composting to produce organic manure and the residues should be disposed off in landfill.
- The over burden disposal underground mines should be explored for putting it inside the void. The method of stowing should be worked out.

The mine waste management should be as per the approved mine plan.

6 General Profile of the District

1. Geographical Position	It lies between N Latitude 25°55' and 26°45' and E longitude 78°12' and 79°05' and falling in Survey of India toposheet numbers 54 J and N.
2. Area and Population	I. Geographical Area (Sq.Km) Total Area (Sq.Km): 4,459 Km ² II. Census 2011 I. Population a. Total Population: 1,703,005 b. Male Population: 926,843 c. Female Population: 776,162 II. Literates a. Total Literates: 1,094,917 b. Male: 676,513 c. Female: 418,404 III. Main Workers (Census 2011) a. Total Workers: 520,768 b. Male Workers: 455,775 c. Female Workers: 64,993 d. Cultivators: 231,185 e. Agricultural Labourers: 158,266 f. Other Workers: 121,479 V. Languages Spoken in the District Hindi is a common language spoken by the inhabitant of the city.




 State Level Environment Impact
 Assessment Authority, M.P.
 (E-5, A-1, Gandhinagar, Bhopal)
 E-5, A-1, Gandhinagar, Bhopal (M.P.)

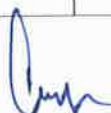
District Survey Report: Bhind

3. Temperature	Mean- Maximum temperature: 32.5°C Mean- Minimum temperature: 21.8°C
4. Rainfall (In mm)	Normal – South West Monsoon:612.7 mm Annual Rainfall: 754.4mm
5.Agriculture	a. Total Cultivated Area (Ha):344.8 b. Net Area Sown (Ha): 320.8 c. Area Sown more than once (Ha): 24.0
6.Rivers, etc.	Chambal, Asad, Kunawari, Besali, Sindh & Pahuj rivers drain the area.
7. Revenue Administrative Divisions	Revenue Divisions: a. Revenue Blocks: 6 b. Revenue Tehsils: 8
8. Local Bodies	a. Municipalities: 2 b. Nagar Panchayats:9

7 Census Data 2011

Table 6 Census Data for year 2011

Description	2011
Actual Population	1,703,005
Male	926,843
Female	776,162
Population Growth	19.21%
Area Sq. km.	4,459
Density/Km ²	382
Proportion to population of Madhya Pradesh	2.34%
Sex Ratio (Per 1000)	837
Child Sex Ratio (0-6 Age)	843
Average Literacy	75.26
Male Literacy	85.40
Female Literacy	63.14
Total Child Population (0-6 Age)	248,230
Male Population (0-6 Age)	134,705
Female Population (0-6 Age)	113,525
Literates	1,094,917


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



District Survey Report: Bhind

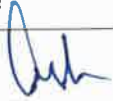
Male Literates	676,513
Female Literates	418,404
Child Proportion (0-6 Age)	14.58%
Boys Proportion (0-6 Age)	14.53%
Girls Proportion (0-6 Age)	14.63%

8 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 7 Land Use Pattern of the Study Area

Sr. No.	Class	Area in Ha.	Percentage of coverage
1	Canal/drain	171.3626	0.04 %
2	Cropland	3,73,815.9	83.97 %
3	Deciduous (Dry/Moist/Thorn)	7,250.911	1.63 %
4	Fallow land	530.2852	0.12 %
5	Forest Plantation	50.17493	0.01 %
6	Gullied/Ravenous land	40,788.25	9.16 %
7	Industrial	1,258.708	0.28 %
8	Lake/Ponds	124.8923	0.03 %
9	Mining / Quarry	267.6955	0.06 %
10	Reservoir/Tank	759.3986	0.17 %
11	River	4,301.775	0.97 %
12	Rural	4,964.047	1.12 %
13	Scrub Forest	1,024.176	0.23 %
14	Scrub land	6,847.507	1.54 %
15	Tree Clad Area	258.9849	0.06 %
16	Urban	2,769.467	0.62 %
	Total	4,45,183.553	100 %


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



District Survey Report: Bhind

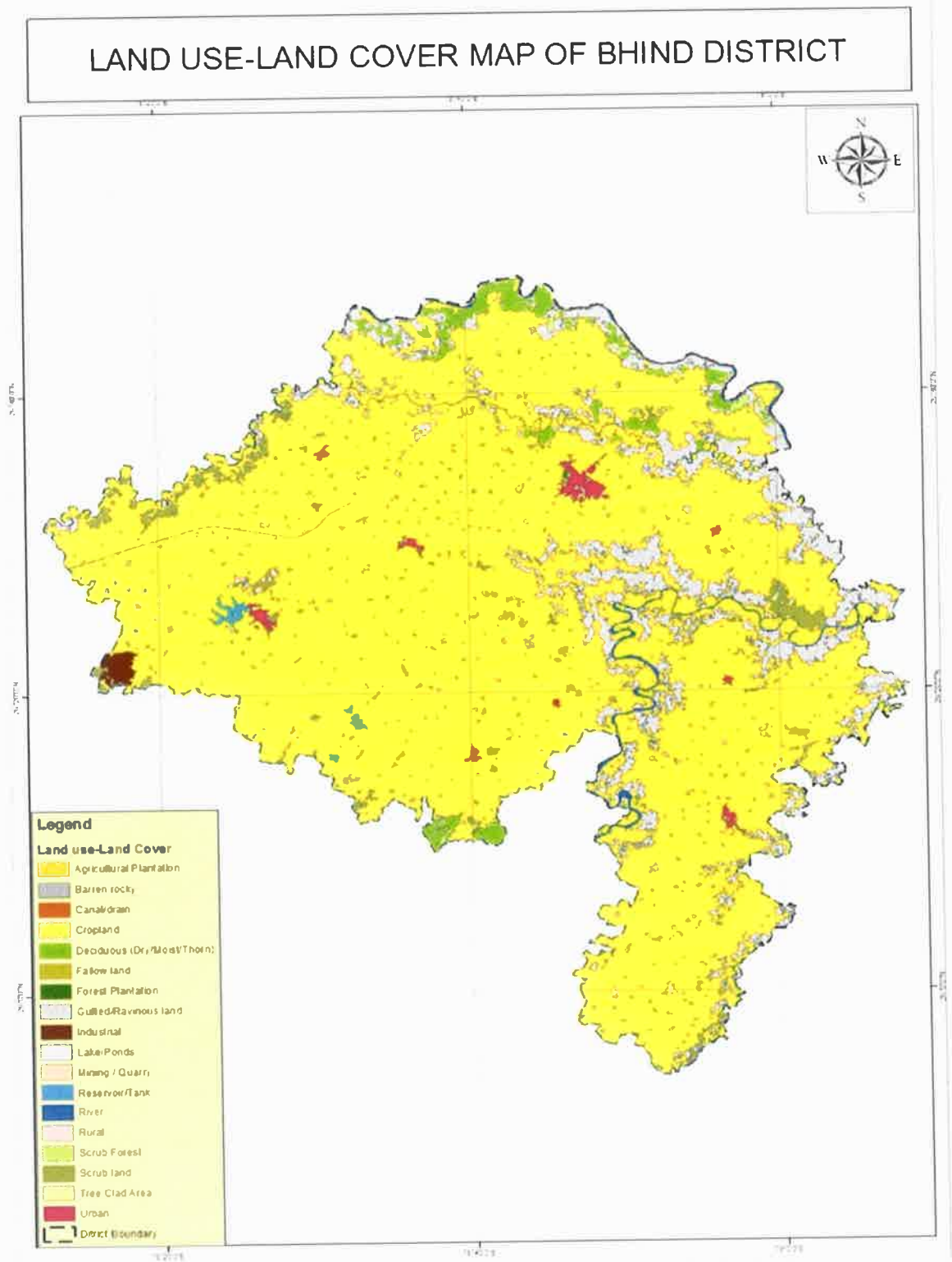



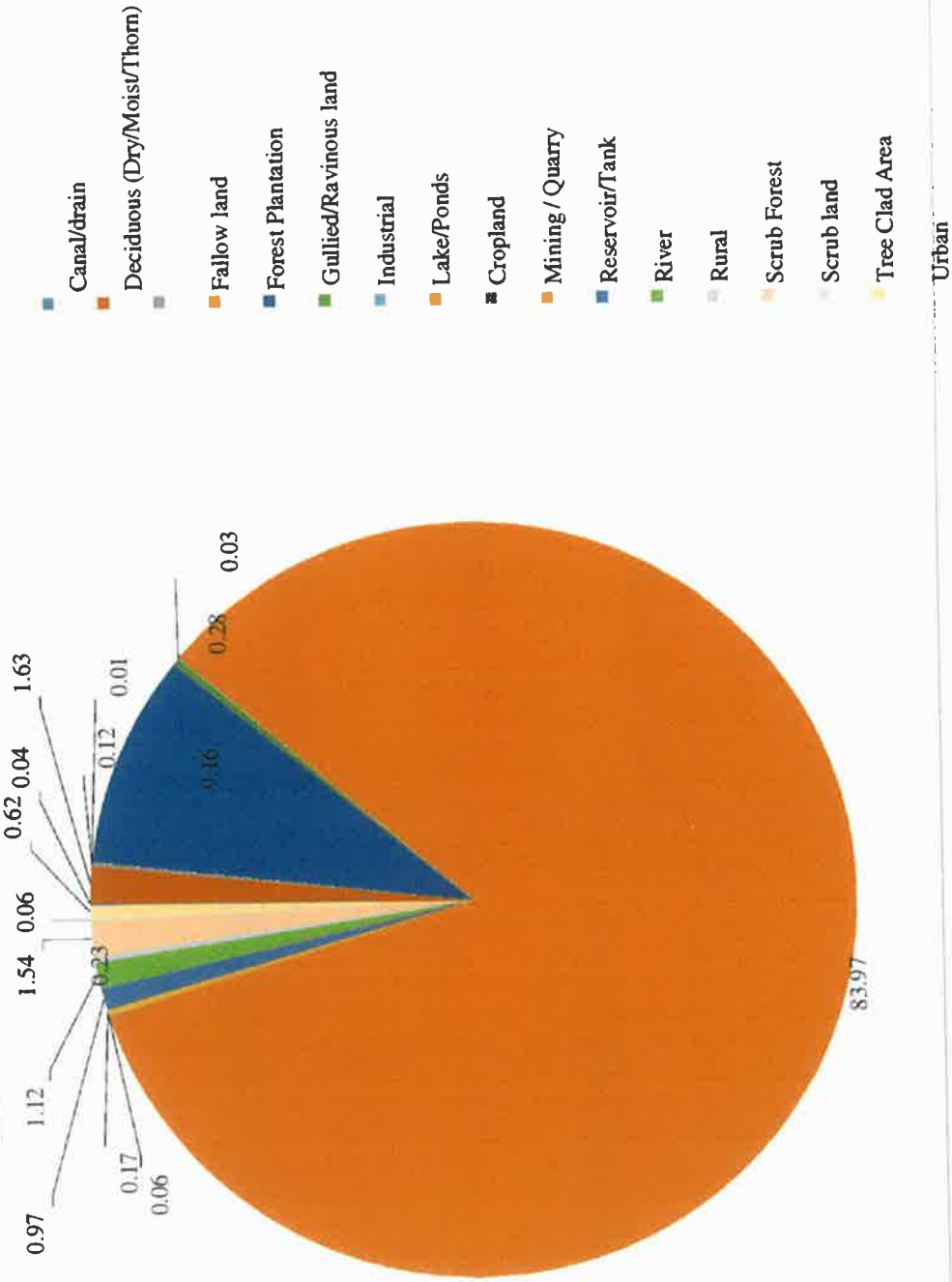
Figure- Land Use and Land Cover Map of the District


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



District Survey Report: Bhind

Land use Breakup for the District in Percentage



[Signature]
 District Land Use Survey
 Assessment and Mapping
 ISRO
 Patyavara Road
 B.S. Area Colony, Bhopal



Figure 6 Land Use and Land Cover Breakup of the District

District Survey Report: Bhind

9 Rainfall Data (Month wise) of the District

Table 8 Month wise Rainfall data (in mm) of the district

S. No.	Block	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1.	Barra	0.0	0.0	0.0	0.0	0.0	-	-	407.5	162.5	-	0.0	0.0
	Bhind	53.0	48.0	8.0	7.0	1.0	9.0	141.0	98.0	45.0	1.0	0.0	33.0
3.	Gohad	68.0	47.0	9.0	5.0	0.0	31.0	104.0	133.0	153.0	0.0	0.0	30.0
4.	Lahar	23.4	23.5	8.5	2.3	0.0	8.3	68.0	194.0	159.2	0.0	0.0	35.5
5.	Mehgaon	56.8	62.0	4.2	2.6	2.0	26.8	72.2	134.7	107.5	0.0	0.0	25.8

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10 Physiography of the District

Physiographically, a large area of the district forms part of the vast older alluvial plains. Ravines along the river Chambal is special feature of the district. The area has very gentle slope towards northeast with highest elevation of 190 m above MSL in the southwestern part and the lowest elevation of 149 m above MSL in the northwestern part. The district is crossed by a number of rivers and streams. The Chambal and the Sind are the main rivers of the district. The Chambal forms the northern boundary. As the 2 rivers are the tributaries of the Yamuna, they form parts of the Ganga drainage system. Apart from these, the other important rivers of the district are the Kunwari, the Pahuj, the Asan and the Vaisali.


11 Rainfall of the District and Climate Conditions

11.1 Rainfall

The normal rainfall of the district is 754.4 mm. District receives maximum rainfall during south west monsoon period i.e., June to September. About 91.9% of the annual rain fall predicates during the monsoon season.

11.2 Climatic Conditions

The climate of Bhind district, characterized by a hot summer and general dryness except during the southwestern monsoon. A year may be divided into four seasons, cold season from December to February followed by the hot season from March to about middle of June. The period from Middle of June to September is the southwestern monsoon season. October & November forms the post monsoon or transition period. During the southwest monsoon season the relative humidity generally exceeds 83% (August month). The driest period is summer season when relative humidity is less than 26%. May is the driest month of the year. Normal maximum temperature during the month of May is 42°C and minimum during January month is 7.1°C. Normal mean maximum & minimum temperature is 32.5°C & 21.8°C respectively. Wind velocity is higher during the pre-monsoon period as compared to the post monsoon period. The maximum wind velocity is 11.3 km/h during the month of June and minimum is 3.1 km/h during the month of November. Average normal annual wind velocity is 6.4 km/h.


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



12 Geology of the District

The Chambal Badlands consist of alluvial deposits that are 50 – 60 m thick, and were deposited during the Quaternary period: the soils include highly oxidized fine sands, sandy loam and clayey loam, with some coarse sand in some areas (Joshi, 2014). The alluvial deposits include sediment rich in mica and non-expanding clays like illite and kaolinite, as well as high amounts of smectite clays.

The alluvial formation covers the major part of the district. Thickness varies from 70 to 250m and resting over the Vindhyan & Archaeans rocks. Alluvium consists of clay, sand & gravels. The thickness of the clay overburden generally decreases towards north. Thickness of sand and gravel aquifers vary from 3 to 17 m. The thickness of the overburden more than 60 m is occurring in south of Mehgaon.

Some outcrops of this formation are exposed in the western parts of the district in Gohad tehsil. The sandstone & shales of the formation are encountered in the tube wells between 86 to 172 m b.g.l. (Source CGWB, Ground water Exploration). As these rocks are hard compact & devoid of weaker zones therefore the ground water occurrence is meager and ground water development in this formation is less. The Vindhyan Basin, containing more than 5000 m thick sequence of sandstones, shales and limestone, occupies an area of about 1,62,000 sq.km of which about 80,000 Sq.km extends into the Ganga valley in the north and northeast beneath the Tertiary sediment of the Himalayan foredeep. In the southwest, the Vindhyan rocks are covered by Deccan volcanics.

Gwalior series is exposed in southwestern part of the district and consists of Banded Hematite Quartzite. Ground water occurs under semi confined to confined conditions and yield potential is less.




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



District Survey Report: Bhind

Table 9 Geological Profile of the District

Age	Super Group	Group/ Formation	Lithology
Holocene	-	Younger Alluvium	Grey, red to brownish red, quartzo-felspathic, and micaceous sand and silt (cut off meanders, point bar and channel deposits)
Middle to late Pleistocene	-	Old Alluvium	Grey, red to brownish micaceous sand silt and clay loos, unconsolidated rock debris, colluvium, oxidised silt, subordinate grey to brown, micaceous sand with kankar and ferruginous nodules. Silt clay with red, medium to coarse sand stoned quartzo felspathic sand with ferruginous nodules at places.
Early Pleistocene	Vindhyan	-	White to greyish-white fine to medium grained thickly bedded sandstone. Green, brown, dirty white soft shale with limestone, dark grey to black hard, massive jaspilite.
Paleo to Meso Proterozoic	-	Gwalior Group	Ochre yellow, reddish brown, red, ferruginous shale with bands of chert, jasper, and limestone at base.


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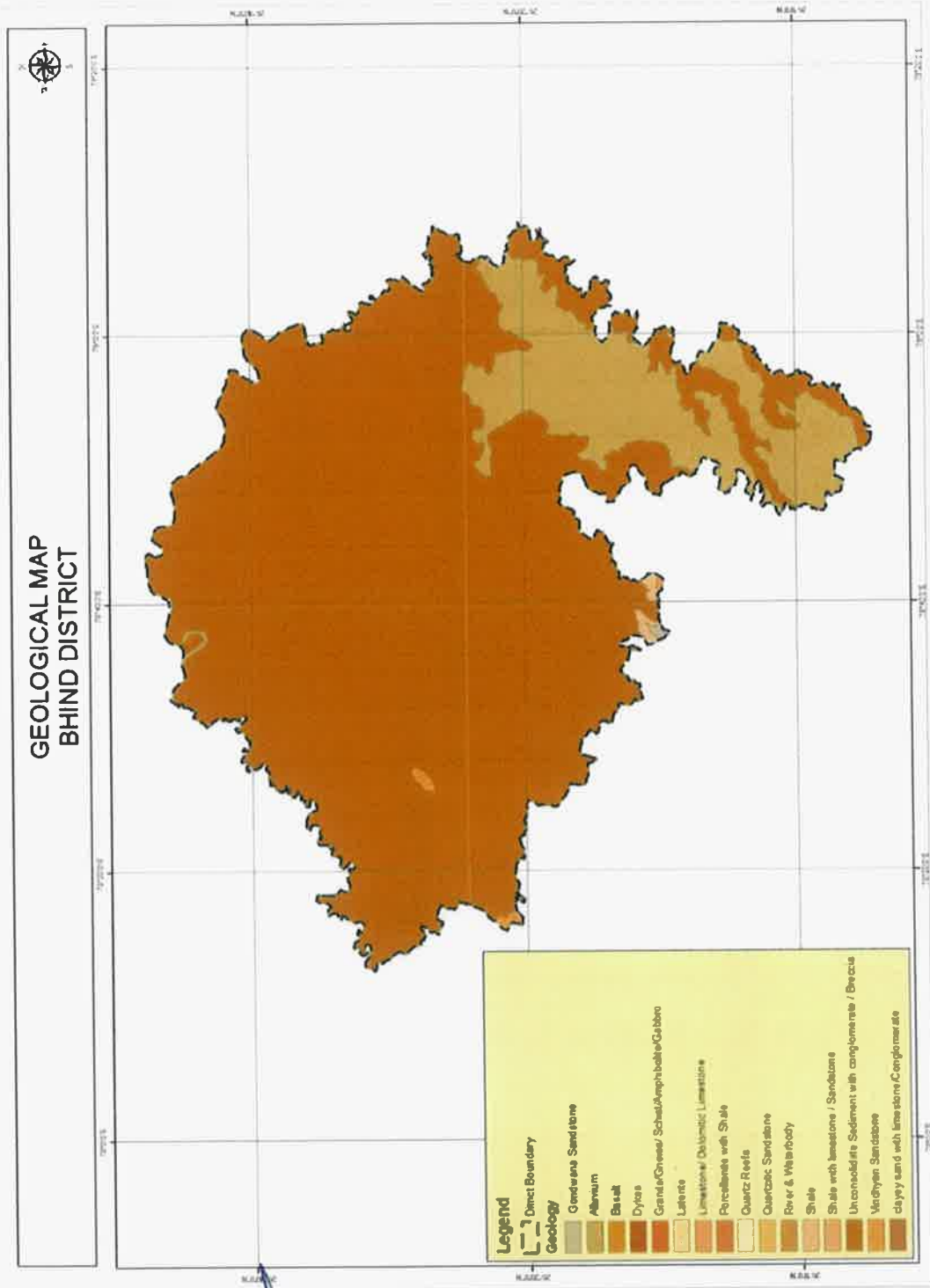


Figure- Geological Map of the District

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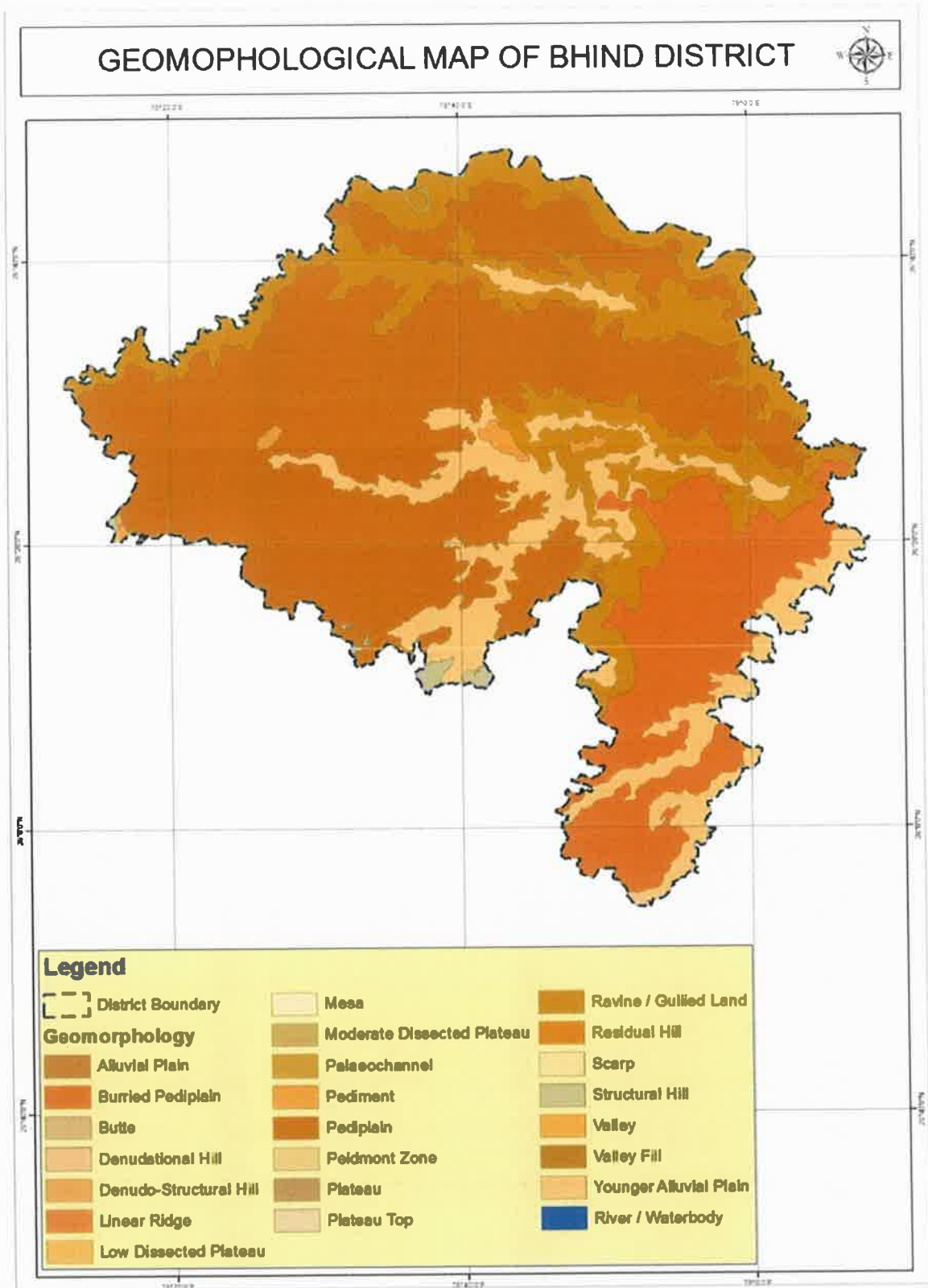


Figure- Geomorphologic Map of the District

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13 Drainage and Irrigation Pattern

13.1 Drainage Pattern

Chambal, Asad, Kunawari, Besali, Sindh and Pahuj rivers drain the area. Ravines & Gullies have developed along the course of all rivers particularly along the flood plains. A very fine network of gullies and forming dendritic drainage network characterizes these. The depth of dissection by gullies is more intense along the river Chambal as compared to others.

13.2 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.



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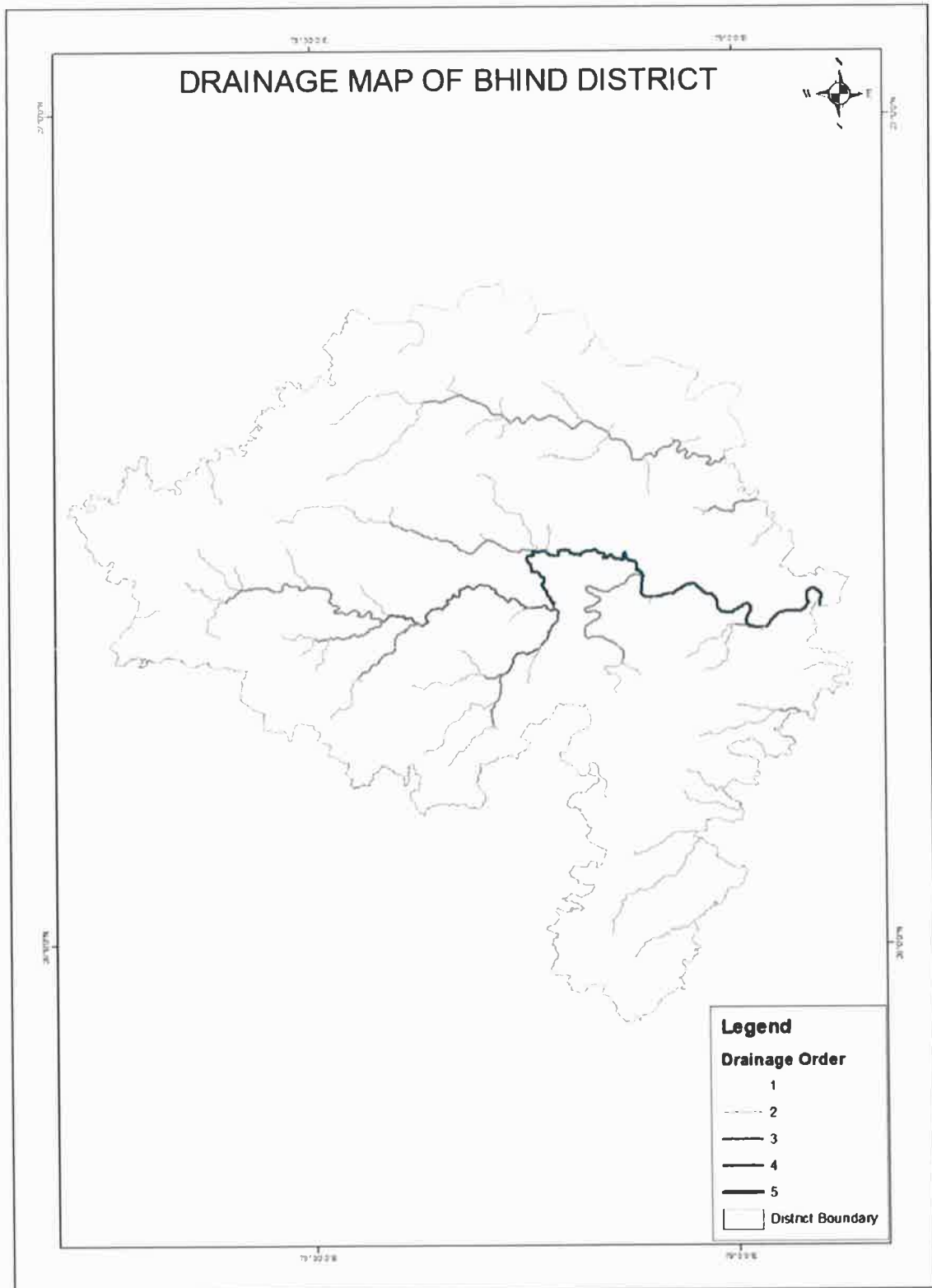


Figure- Drainage Map of the District

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14 Surface Water and Ground water scenario of the district

14.1 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. During the pre-monsoon period depth to water level ranges from 4.10 mbgl to 34.9 mbgl. However, in major part the depth to water level is less than 28 mbgl. Deeper water level of more than 30 mbgl is observed in small, isolated patches in northern and northeastern part. The depth to water level in post monsoon ranges from 2.40 mbgl to 34.9 mbgl. However, in major part the depth to water level ranges from 5 to 30 mbgl. Deeper water level of more than 30 mbgl is observed in two isolated patches one each in northern and north eastern part. During Pre-monsoon period an overall declining trend is observed. It ranges from 11.17 cm/year to 76.13 cm/year.

14.2 Surface Water

Chambal, Asad, Kunawari, Besali, Sindh and Pahuj rivers drain the area. Ravines & Gullies have developed along the course of all rivers particularly along the flood plains. A very fine network of gullies and forming dendritic drainage network characterizes these. The depth of dissection by gullies is more intense along the river Chambal as compared to others. The entire Bhind district lies in lower Chambal basin. Major tributaries are Kunwari, Asad, Besali, Sindh & Pahuj rivers.


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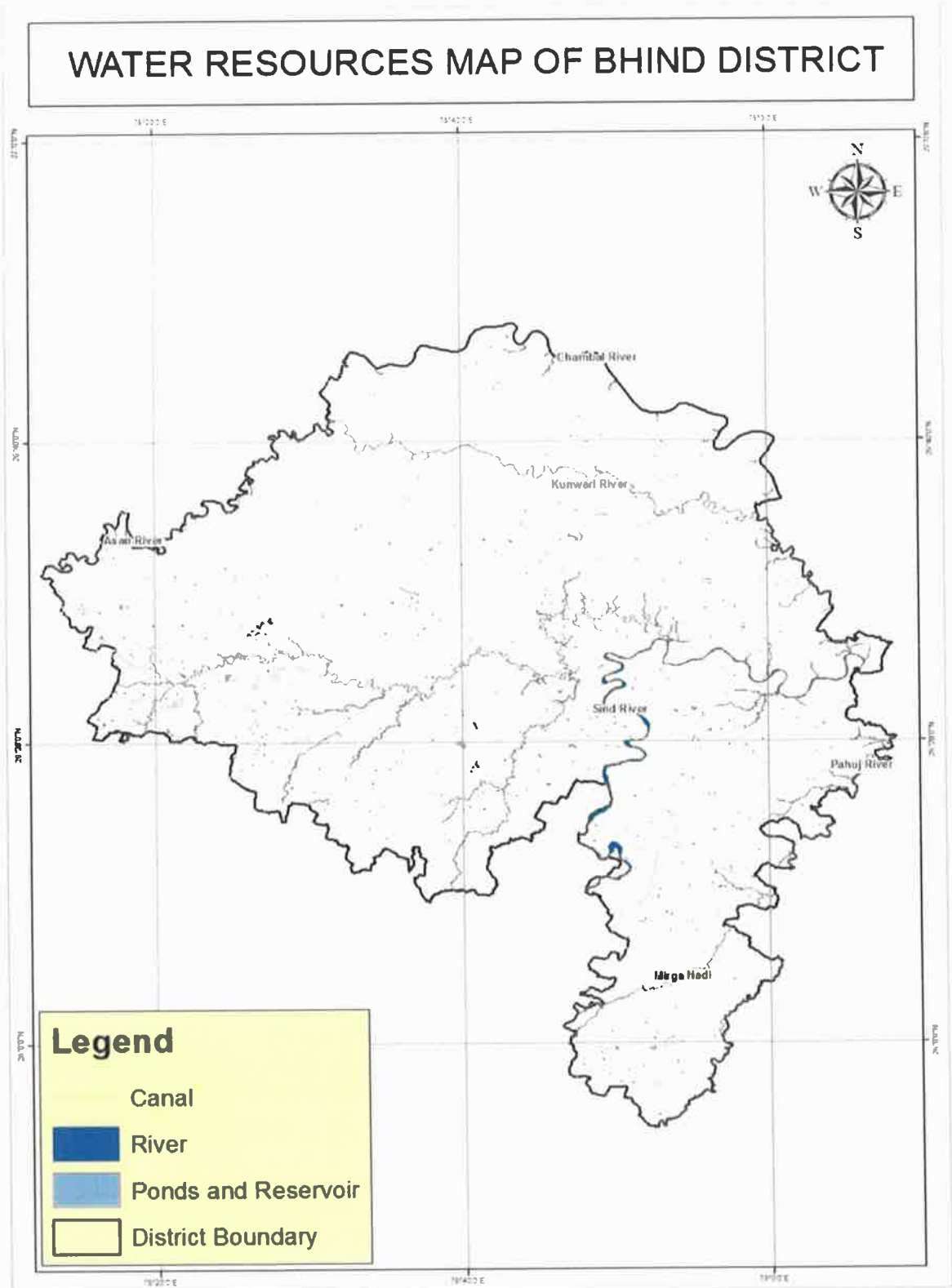


Figure- Water Resources Map of the District

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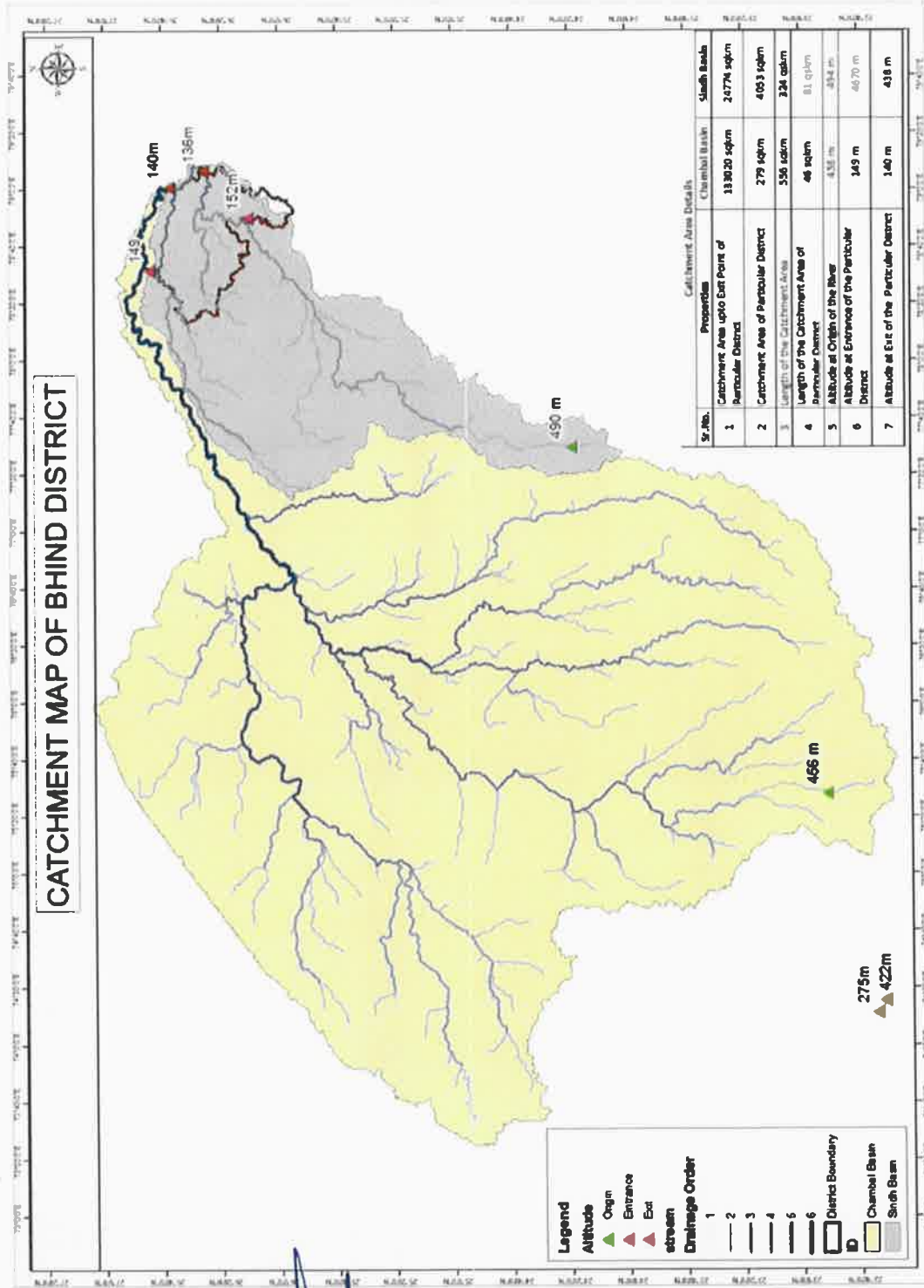


Figure- Catchment Map of District

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Table 10 Details of Catchment Area

Sr.No.	Properties	Chambal Basin	Sindh Basin
1	Catchment Area up to Exit Point of Particular District	133,020 sq. km	24,774 sq. km
2	Catchment Area of Particular District	279 sq. km	4,053 sq. km
3	Length of the Catchment Area	556 sq. km	324 sq. km
4	Length of the Catchment Area of Particular District	46 sq. km	81 sq. km
5	Altitude at Origin of the River	456 m	494 m
6	Altitude at Entrance of the Particular District	440 m	4670 m
7	Altitude at Exit of the Particular District	418 m	438 m

15 Details of Eco – Sensitive Area, if any, in the district

The National Chambal Sanctuary is spread over 435 square kilometres and lies across Sheopur, Morena and Bhind districts of Madhya Pradesh with a length of more than 400 kilometres. It is home to naturally living population of 75 per cent of gharial. The sanctuary also harbours national aquatic animal – the fresh water Gangetic dolphins, nine species of fresh water turtles and more the 180 species of migratory birds.

The critically endangered gharial and the red-crowned roof turtle live here, and together with the endangered Ganges River dolphin are the keystone species of the sanctuary. Other large, threatened inhabitants of the sanctuary include mugger crocodile, smooth-coated otter, striped hyena, and Indian wolf. Chambal supports 8 of the 26 rare turtle species found in India, including Indian narrow-headed soft-shell turtle, three-striped roof turtle and crowned river turtle. Other reptiles that live here are: Indian flap shell turtle, soft shell turtle, Indian roofed turtle, Indian tent turtle and monitor lizard. The National Chambal Sanctuary is listed as an important bird area and is a proposed Ramsar site. The sanctuary is protected under India's Wildlife Protection Act of 1972. The sanctuary is administered by the Department of Forest under the Project Officer with headquarter at Morena, Madhya Pradesh. Parts of the

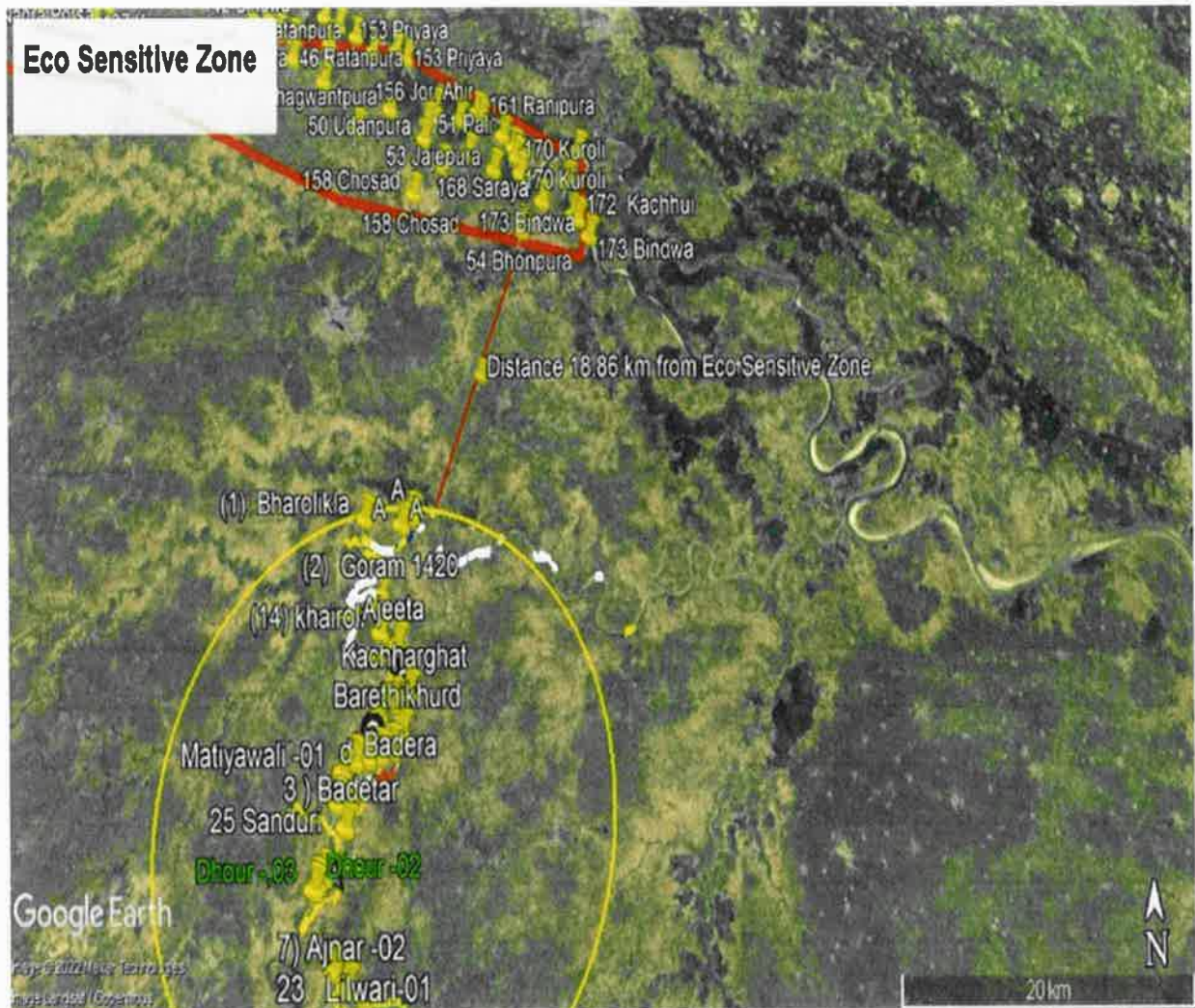
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sanctuary are threatened by extensive illegal sand mining, which is endangering the fragile lotic ecosystem critical for Gharial breeding.

**FIGURE-
SATELLITE MAP SHOWING Eco Sensitive Zone**



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16 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.

16.1 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 (NOx and SOx) emissions, usually at low levels. Dust can be of significant nuisance surrounding land users and potential health risk in some circumstances.

16.2 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, etc., surface water system, Drainage pattern of the area is altered.


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16.3 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.

16.4 Land Environment

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

16.5 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.


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

17.1 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.


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17.4 Land Environment

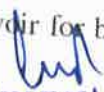
- Riparian vegetation should be developed that does not stress with changes over short period of time.
- Safety barrier zone should be left out in order to prevent quick sand condition or rapid erosion of river banks.
- Development of suitable greenbelt in safety and barrier zone
- Waste dumps should 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.

17.5 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.

18 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.


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Table 11 Drainage System with description of main Rivers

S. NO.	Name of the River	Area Drained	Area Drained in the District
1	Chambal River	133,020 sq. km	279 sq. km
2	Sindh River	24,770 sq. km	4,053 sq. km

Table 12 Salient Features of Important Rivers and Streams

S. NO.	Name of the River or Stream	Total Length in the District (in km)	Place of Origin	Altitude at origin
1	Chambal River	46 km	Janapav (Village Vindhayn Range). Indore	456 m
2	Sindh River	81 km	Bagli (Malwa Plateau). Vidisha	494 m

Table 13 Details of the Concession area in the district

Name of River or Stream recommended the for mineral concession	Portion of the River or Stream Recommended for Mineral Concession	Length of area recommended for mineral concession (in kilometres)	Average width of area recommended for mineral concession (in meters)	Area recommended for mineral concession (in M ²)	Minicable mineral potential (in M3 (60 % of total mineral potential))
Chambal River		0	0	0	0
Sindh River	Hilgawan, Ojhaghat, Jakhmoli, Larol, Muratpura, Bahadurpura, Padhora-1, Padhora-2, Gahenda.	46 km	91	7640240	3492736.2

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19 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.

19.1 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.

19.2 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 to carry 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.

19.3 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
- Effective prevention of damage to property.


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- 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.

20 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).


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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.

The CM&HO Bhind is responsible for the public Health activities and is in charge of the District Hospital, and the Civil and Ayurvedic dispensaries in the District. Administratively his office functions under the immediate control of the Joint Director of Health Services, Gwalior and under the overall control of the Director of Health Services Madhya Pradesh Bhopal.


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Table 15 Number of Health Centre' s in Bhind District

Block wise Distribution of Hospitals				
Block	Ayurvedic, Homeo & Yunani	PHC+ Allopathic	SHC	Allopathic
Ater	11	7	33	30
Bhind	11	5	29	262
Mehgaon	12	5	41	40
Gohad	7	4	30	60
Roan	4	2	22	30
Lahar	9	5	25	30
Total	54	28	180	452

Table 16 Employees in formation of Health Centre' s in Bhind District

Medical and Health Employees (Block wise)							
Block	Medical Officer		Health Inspectors	Nurse	Compounder	Others	Total
	Allopathic	Others					
Ater	9	11	-	56	13	78	167
Bhind	33	08	1	85	23	173	323
Mehgaon	09	11	-	64	15	91	190
Gohad	14	05	-	54	10	74	157
Roan	03	1	-	31	07	36	78
Lahar	09	7	-	40	12	57	125
Total	77	43	1	330	80	509	1040


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Table 17 Tuberculosis Patient' s list of Bhind District.

Sr. No.	Year	No. of Patient in Govt. Hospital	No of Patient In Private Hospital	No of Active Patient in Govt. & Private Hospital
1.	2017	2262	76	(0)
2.	2208	551	551	(0)
3.	2019	2457	885	(0)
4.	2020	2551	566	(0)
5.	2021	2758	1272	765 Active Patient in Govt. Hospital and 357 Active Patient in Private Hospital from October 2021 to December 2021

Table 18 Silicosis Patient' s list of Bhind District.

S. no.	Village	No. of patients	Name of Patients	Age	Disease	Death
1.	Gohad	11	Shri Badansingh s/o Dharmjeet , gram dilipsingh ka pura	32	Silicosis	--
2.	Gohad		Shri Jagram s/o Dharmjeet, Gram Dang Sarkar	62	Silicosis	--
3.	Gohad		Shri Shivlal s/o Maanpal , Gram Dang Sarkar	70	Silicosis	--
4.	Gohad		Shri Chotelal s/o Ramdeen,	53	Silicosis	--
5.	Gohad		Shri Maharaj Singh s/o Dharmjeet , Gram Dang Sarkar	55	Silicosis	--
6.	Gohad		Smt Bisuna w/o Amarsingh , Gram Dang Sarkar	55	Silicosis	--
7.	Gohad		Shri Nathuram s/o Hargovind , Tonde wali Mata ka pura		Silicosis	Dead
8.	Gohad		Shri Asharam s/o Nanhelal , Gram Dang Sarkar		Silicosis	Dead
9.	Gohad		Shri Hakimsingh s/o Mahendrasingh	40	Silicosis	Dead
10.	Gohad		Shri Mangilal, Toliwali Mata		Silicosis	Dead
11.	Gohad		Shri Ramasare s/o Khutansingh , tode wali Mata		Silicosis	Dead


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21 Plantation and Green Belt Development in respect of lease granted in the District:

Mining activities result in pollution of the environment. This requires protection of our environment. Plantation is the oldest technology for the restoration of the land damaged by the human activities as well as air pollution.

Trees are highly suitable for the detection and monitoring of the air pollutants and have been effectively used at various places by planting trees we can achieve the dual purpose of bio aesthetics as well as mitigation of pollution. Proper planning and plantation scheme depends upon the magnitude and type of pollution, selection of pollution tolerant and dust capturing plants

The plants should be ever green, large leaved, with rough bark, ecologically compatible, with low water requirement, requiring minimum care, capable to absorb pollutants, pollutant resistant, agro climatically suitable, fast growing, free from wind throw and breakage and with high pollution tolerance index. The species should be suitable to the climate, topography and soil. A minimum two rows of plantation will be carried out to minimize the effect of pollution. This would attenuate the pollutants level

Seondha Range of Datia Forest Division lie in the impact zone. The forest is a tropical dry deciduous mixed forest and tropical thorny scrub forest of density varying between 0.2 to 0.4. General site quality of the forests is V with some patches of site quality IVB. Greenbelt will be developed along the lease periphery covering 0.358 ha area. Native species will be planted like Amla, Neem, Pipal, Sissoo, Bargad, Mango, Amaltas, Karanj and about 1600 number of trees will be planted each year within safety zone, along approach Road, and in Village area and other places.


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Table 19 Recommended Plant species for green belt development/plantation

S. No.	Botanical Name	Family	Common Name
1.	Acacia leucophloea	Fabaceae	safed kikkar
2.	Acacia nilotica	Fabaceae	Babool
3.	Azadirachta indica	Meliaceae	Neem
4.	Balanites aegyptica	Zygophyllaceae	Hingor / Hingot
5.	Cordia dicotoma	Boraginaceae	gunda
6.	Dalbergia sisoo	Fabaceae	Shisham
7.	Capparis sepriaria	Capparaceae	Kanthari
8.	Delonix regia	Csesalpinaceae	Gulmohar
9.	Ficus religiosa	Moraceae	Pipal
10.	Miliusa tomentosa	Miliusa tomentosa	Annonaceae
11.	Prosopis cineraria	Mimosaceae	Shemi
12.	Prosopis juliflora	Mimosaceae	Junglee kikar
13.	Clerodendrum multiflorum	Verbenaceae	Arani
14.	Salvadora oleoides	Salvadoraceae	Bada Pilu
15.	Ziziphus oenoplea	Rhamnaceae	Makkay
16.	Capparis decidua	Capparaceae	Kair
17.	Ziziphus mauritiana	Rhamnaceae	ber
18.	Commiphora wightii	Burserseae	guggul
19.	Jatropha curcas	Euphorbiaceae	Jamal Ghota
20.	Ricinus comunis	Euphorbiaceae	Arandi
21.	Securinega leucopyrus	Phyllanthaceae	Ghat baur
22.	Lantana indica	Verbnaceae	Ghaneri
23.	Mimosa himalayana	Mimosaceae	Agla
24.	Grewia flavescens	Tiliaceae	Chapra
25.	Achyranthes aspera	Amaranthaceae	Chirchita
26.	Alysicarpus vaginalis	Fabaceae	Chauli

Plantation has been done by project proponent on Barrier Zone, Non Mining Area, Approach road, nearby river bank and ravines etc. as per the suggestions of the authority.



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प्रति,

प्रभारी अधिकारी,
खनिज शाखा
जिला भिण्ड




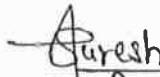
विषय:-

जिला पोर्टल पर प्रदर्शित जिला सर्वेक्षण रिपोर्ट में दावा आपत्ति सुझाव विषयक।

उपरोक्त विषयांतर्गत लेख है कि जिला पोर्टल पर जो जिला सर्वेक्षण रिपोर्ट प्रदर्शित की गई है उसमें गिट्टी खदानों के अक्षांश एवं देशांश (Cordinates) का उल्लेख नहीं किया गया है एवं खदानों को नक्शे में नहीं दर्शाया गया है।

अतः इसे खदानवार शामिल किया जाये।


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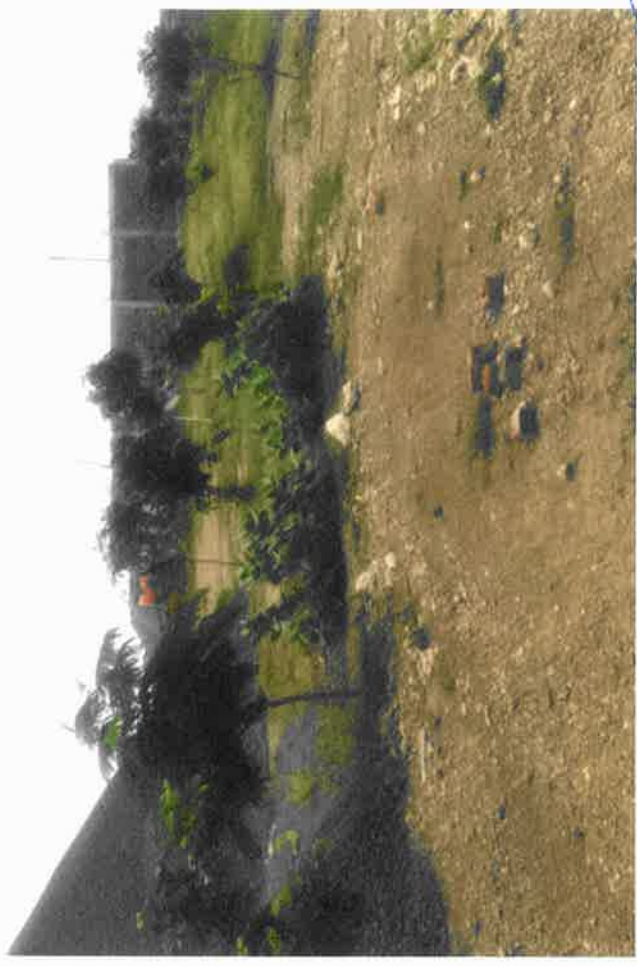

भगदीय
नाम - सुरेश सिंह
पता - मेहगांव, भिण्ड





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





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State Level Environment Impact
Assessment Authority, M.P.
(E&CO)
Paryavaran Parisar
E-3, Aerea Colony, Bhopal (M.P.)



Ok

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

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



मैसर्स एस.आर.एस. स्टार माइनिंग इण्डस्ट्रीज प्रा०लि०

ग्राम कठवाहांजी, तहसील गोहद जिला भिण्ड म.प्र.

सर्वे क्र. 2351, 2352, 2353

रकबा 4.90 हेक्टेयर

वर्ष 2021-22 में खदान क्षेत्र एवं ग्राम में लगाये गये पौधों का विवरण

स.क्र.	पौधों का प्रकार	संख्या
1	ऊमर	15
2	अमरुद कलमी हाईब्रिड	15
3	कागजी नीबू	15
4	हाईब्रिड करोंदा	15
5	कलमी आम	15
6	इमली	15
7	बेलपत्र बडा	15
8	सीसम बडी	25
9	करेन्जी	25
10	मोलश्री	15
11	अर्जुन	35
12	नीम	30
13	कटहल	15
14	पीपल	25
15	वरगद	10
16	पपीता	15
17	शाहतूत	15
18	कैथ	15
19	जामुन	15
20	बबूल	50
21	चिरोल	15
22	पुत्रजीवा	15
23	सप्तपर्णी	10
24	जंगल जलेवी	25
25	सिरसू	25
26	कदम	5
27	मुनगा	5
28	आंवला	5
	कुल	500

State Level Environment Impact
Assessment Authority, M.P.
(FPCO)
Paryavaran Parishad
E-5 Area Colony, Bhopal (M.P.)



MANISH

मैसर्स यश स्टार स्टोन्स प्रा०लि०

ग्राम डिरमन, तहसील गोहद जिला भिण्ड म.प्र.

सर्वे क. 1057, 1058, 1059, 1060, 1061, 1122/2, 1123/1 एवं 1123/2

रकबा 4.800 हैक्टेयर

वर्ष 2021-22 में खदान क्षेत्र एवं ग्राम में लगाये गये पौधों का विवरण

स.क्र.	पौधों का प्रकार	संख्या
1	ऊमर	15
2	अमरुद कलमी हाईब्रिड	15
3	कागजी नीबू	15
4	हाईब्रिड करोंदा	15
5	कलमी आम	15
6	इमली	15
7	बेलपत्र बडा	15
8	सीसम बडी	25
9	करेन्जी	25
10	मोलश्री	15
11	अर्जुन	35
12	नीम	30
13	कटहल	15
14	पीपल	25
15	बरगद	10
16	पपीता	15
17	शाहतूत	15
18	कैथ	15
19	जामुन	15
20	ववूल	50
21	चिरोल	15
22	पुत्रजीवा	15
23	सप्तपर्णी	10
24	जंगल जलेबी	25
25	सिरसू	25
26	कदम	5
27	मुनगा	5
28	आंवला	5
	कुल	500



State Level Environment Impact
Assessment Authority, M.P.
16/05/21
Brijeshwar Pandey
B-5, Akshay Colony, Jabalpur (M.P.)

मैसर्स दर्श स्टार स्टोन प्रा०लि०

ग्राम डिरमन पाली, तहसील गोहद जिला भिण्ड म.प्र.

सर्वे क. 1983, 1985, 1986, 1987, 1989, 1991

रकवा 3.000 हैक्टेयर

वर्ष 2021-22 में खदान क्षेत्र एवं ग्राम में लगाये गये पौधों का विवरण

स.क्र.	पौधों का प्रकार	संख्या
1	ऊमर	5
2	अमरुद कलमी हाईब्रिड	5
3	कागजी नीवू	5
4	हाईब्रिड करोंदा	5
5	कलमी आम	5
6	इमली	5
7	वेलपत्र वडा	5
8	सीसम वडी	5
9	करेन्जी	5
10	मोलश्री	5
11	अर्जुन	5
12	नीम	5
13	कटहल	5
14	पीपल	10
15	बरगद	10
16	पपीता	5
17	शाहतूत	5
18	कैथ	5
19	जामुन	5
20	बबूल	100
21	चिरोल	15
22	पुत्रजीवा	15
23	सप्तपर्णी	10
24	जंगल जलेवी	50
25	सिरसू	40
26	कदम	5
27	मुनगा	5
28	आंवला	5
	कुल	350

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



अध्यक्ष, ए.पी.सी.ए.ए. (एस.ए.ए.ए.)
भोपाल

गैरर्स श्री गणेश इन्फ्राटेक

ग्राम डिरमन पाली, तहसील गोहद जिला मिण्ड म.प्र.

सर्वे क्र.1711,1712,1714,1715,1716

रकबा 3.000 हेक्टर

वर्ष 2021-22 में खदान क्षेत्र एवं ग्राम में लगाये गये पौधों का विवरण

स.क्र.	पौधा का प्रकार	संख्या
1	ऊगर	5
2	अमरुद कलगी	5
3	नींबू	5
4	करांदा	5
5	आम	5
6	इमली	5
7	बेलपत्र वडा	5
8	सीसग नडी	5
9	करंजी	10
10	अर्जुन	20
11	नीम	10
12	कटहल	20
13	पीपल	30
14	बरगद	10
15	कंथ	30
16	बबूल	15
17	चिरोल	15
18	पुत्रजीवा	10
19	सप्तपर्णी	20
20	जंगल जलेवी	25
21	कदम	10
22	आंवला	270
	कुल	

State Level Environment Impact
Assessment Authority, M.P.
(EPCO)
Parvavaran Parisar
Arers Colony, Bhopal (M.P.)



Shri Ganesha Infra Tech
Mogal
Partner

महानगर विमान सेवा

पुनर् विमानन, पुनर् विमान सेवा

वर्धमान रोड विमान विमान (स.प.)


विमानन क्षेत्र क. 980, 1053/1, 1053/2, 1056, 1094, 1093, 1098, 1096 क्षेत्र-2 पुनर्

क्षेत्र-1003, 1006, 1005, 1003 3.71 हेक्टर

वर्ष 2021, 2022 में खदान क्षेत्र एवं केंद्र क्षेत्र में लागू गये प्रयोग के विवरण इस प्रकार है

स.क.	प्रकार के वन	क्षेत्र
1	पीपल	8
2	बट फूल	5
3	जखर	5
4	नीम	4
5	सोहन	8
6	काजी	6
7	जखर	4
8	दही पकड़ा	4
9	धिरवा	8
10	अचला	4
11	बला पत्र	2
12	अमरुद	4
कुल		62

क्षेत्र में खदान के जंगल वनक विनाशकारी प्रभाव के रोकथाम हेतु उपरोक्त वनकी संख्या लागू करके वन संरक्षण हेतु है


State Level Environment Impact
Assessment Authority, M.P.
(SEAAA)
Paryavaran Bhawan
B-3, Green Colony, Bhopal (M.P.)



श्री आणविक शिक्षा विद्यापीठ
गोवर्धन जिल्हा (मि/०६)

जॉर्नल क्र. ५३ रचना परीक्षेबाबत.

दि. २०२१-२२ ची रचनात्मक क्षेत्रातील परीक्षा

जिल्हा शाळा (मि/०६) विभागात

१९११६-२०२१/२०२२

क्र.सं.	विषय व नाम	संख्या
१	हिंदी कविता	१५
२	अंग्रेजी कविता	१०
३	मराठी कविता	१२
४	गुजराती कविता	१५
५	संस्कृत कविता	१०
६	असतोय कविता	१२
७	व्यंग्य कविता	१५
८	कथा कविता	१५
९	अनाम कविता	१५
१०	आप कविता	१५
११	सिद्ध कविता	१५
१२	परिचय कविता	१५
१३	कविता कविता	१५
१४	परिचय कविता	१५
१५	कविता कविता	१०
१६	कविता कविता	१५
१७	परिचय कविता	१५
१८	परिचय कविता	१३
१९	परिचय कविता	१५
२०	आयुष्य कविता	१२
कुल		२७५.



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

श्री आणविक शिक्षा

श्री लक्ष्मी विद्युत निगम लिमिटेड
 श्री लक्ष्मी विद्युत निगम लिमिटेड
 15, अररा कॉलोनी, भुवनेश्वर - 751005

दिनांक 28/11/2022. 22:30 को प्रत्यक्ष बैठक का आयोजन किया गया।
 जहाँ श्री लक्ष्मी विद्युत निगम लिमिटेड के अधिकारियों ने

DATE => 01/12/2022

क्र.सं.	प्राधिकृत नाम	समय (घंटा)
1	अध्यक्ष	12
2	उप-अध्यक्ष	16
3	सहायक अध्यक्ष	15
4	सि.डी.ओ.	15
5	ए.डी.ओ.	13
6	डी.डी.ओ.	10
7	ए.डी.ओ.	15
8	ए.डी.ओ.	20
9	ए.डी.ओ.	15
10	ए.डी.ओ.	13
11	ए.डी.ओ.	15
12	ए.डी.ओ.	15
13	ए.डी.ओ.	15
14	ए.डी.ओ.	20
15	ए.डी.ओ.	15
16	ए.डी.ओ.	18
17	ए.डी.ओ.	15
18	ए.डी.ओ.	15
19	ए.डी.ओ.	15
20	ए.डी.ओ.	20
21	ए.डी.ओ.	10
22	ए.डी.ओ.	12
23	ए.डी.ओ.	10
24	ए.डी.ओ.	12
25	ए.डी.ओ.	12
कुल		360



श्री लक्ष्मी विद्युत

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

मैसर्स मां दुर्गा स्टोन केशर

ग्राम डांग सरकार, तहसील गोहद जिला भिण्ड म.प्र.

सर्वे क्र. 833

रकबा 4.000 हैक्टेयर

वर्ष 2021-22 में खदान क्षेत्र एवं ग्राम में लगाये गये पौधों का विवरण

स.क्र.	पौधों का प्रकार	संख्या
1	ऊमर	15
2	अमरुद कलमी हाईब्रिड	15
3	कागजी नीबू	15
4	हाईब्रिड करोंदा	15
5	कलमी आम	15
6	इमली	15
7	बेलपत्र बडा	15
8	सीसम बडी	25
9	करेन्जी	25
10	मोलश्री	15
11	अर्जुन	35
12	नीम	30
13	कटहल	15
14	पीपल	25
15	बरगद	10
16	पपीता	15
17	शाहतूत	15
18	कैथ	15
19	जामुन	15
20	बबूल	50
21	चिरोल	15
22	पुत्रजीवा	15
	कुल	425

State Level Environment Impact
Assessment Report
18/01/2022
Bharwara Jharkhand
P.O. Khera Colony, Bhadrachal



मैसर्स राज कारपोरेशन लि०

पता: डिस्ट्रिक्ट पार्सी क्वार्टर गौड्ड जिला विण्ड म.प्र.

सं क्रमांक : 2023, 2591, 2596, 2597, 2599

रकबा - 4 डिग्रेड

वर्ष : 2021-22 में खदान क्षेत्र एवं ग्राम में लगाए पीछों का विवरण

स.क्र	पीछों के प्रकार	संख्या
1	खदान	8
2	परमेश्वर गणेशी लक्ष्मि	6
3	नीच	4
4	सुरेन्द्र करिया	5
5	कल्याण भाग	7
6	इमली	5
7	बनारस बड़ा	7
8	मोहन बड़ी	10
9	जगदी	4
10	मोहन	5
11	भूत	20
12	पुलक	4
13	शिव	6
14	देवद	8
15	पुलक	6
16	भूत	6
17	केला	8
18	जामुन	8
19	सुत	8
20	विशाल	6
21	शिव	2
22	जगद बलेंदी	4
23	सिख	6
24	कदम	12
25	मुनगा	5
26	आवला	4
27	नीम	15
28	पुत्रादीवा	5
	कुल योग	194

कुल योग

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



Raj Corporation Ltd

(Handwritten signature)
Director

भगवती इंफ्राटेक

ग्राम पिपरसाना तहसील गोंडाल जिला विण्ड (म.प्र.)

सर्वे क्रमांक- 653/1, 653/2, 654.

रकबा--1.45 हेक्टर क्षेत्र

वर्ष 2021-22 में खदान क्षेत्र एवं ग्राम में लगाये गये पौधों का विवरण

सं. क्र.	पौधे का प्रकार	संख्या
1	सोरोसन	10
2	पीरल	25
3	खमल जलोवी	15
4	नीम	20
5	नीचू	20
6	कटहल	5
7	दरगद	5
8	चयूल	15
	कुल	115



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



अतीश जाटव पुत्र जोधाराम


ग्राम डांग सरकार, तहसील गोहद, जिला भिण्ड (म.प्र.)

सर्वे क्र. ६५०, ६५१, ६५२

रकबा ५.० हैक्टेयर

वर्ष २०२१-२२ में खदान क्षेत्र एवं ग्राम में लगाये गये पौधों का विवरण

क्र.	पौधों का प्रकार	संख्या
१.	सीसोन	२०
२.	पीपल	२५
३.	परवल	१५
४.	नीम	२०
५.	नीबू	२०
६.	कटहल	१५
७.	वरगद	१५
८.	आम	१५
	कुल संख्या	१४५


State Level Environment Impact
Assessment Authority, M.P.
18-PC/01
Parvathanan Campus
E-5, Ganga Colony, Indore (M.P.)

अतीश

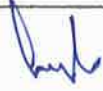


मैसर्स सारथी स्टोन एग्रीगेट


ग्राम सिसोनिया, तहसील गोहद, जिला भिण्ड (म.प्र.)
सर्वे क्र. 495, 500/1, 500/2, 500/4
रकबा 4.000 हैक्टेयर

वर्ष 2021-22 में खदान क्षेत्र एवं ग्राम में लगाये गये पौधों का विवरण

क्र.	पौधों का प्रकार	संख्या
1.	नीम	15
2.	पीपल	20
3.	अमरुद	10
4.	बबूल	12
5.	कटहल	10
6.	शीशम	9
7.	जामुन	12
8.	वरगद	10
9.	तुलसी	20
	कुल संख्या	118


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

M/s. Sarthi Stone Aggregate


Partner



मैसर्स सिद्धि विनायक स्टोन एग्रीगेट

ग्राम डिरमन, तहसील गोहद, जिला भिण्ड (म.प्र.)
सर्वे क्र. (1) 1045, 1046, 1047, 1062, 1063, 1065, 1066, 1067, 1068, 1069,
रकवा 13.2 हैक्टेयर

सर्वे क्र. (2) 1064 , रकवा 1.870 हैक्टेयर

वर्ष 2021-22 में खदान क्षेत्र एवं ग्राम में लगाये गये पौधों का विवरण

क्र.	पौधों का प्रकार	संख्या
1.	नीबू	7
2.	जामुन	1
3.	कसौंदा	1
4.	अशोक	17
5.	अमरूद	10
6.	कटहल	2
7.	गुलाब	15
8.	आम	4
9.	गूड़हल	6
10.	चम्पा	10
11.	नीम	3
12.	पीपल	2
13.	वरगद	2
14.	तुलसी	20
15.	सीसौन	15
16.	परवल	11
17.	रिस	11
18.	वयूल	280
	कुल संख्या	417



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

ज्वाला संगठन शिक्षा एवं समाज कल्याण समिति

ग्राम डांग सरकार, तहसील गोहद, जिला भिण्ड (म.प्र.)

सर्वे क्र. 834, 835

रकबा 3.90 हैक्टेयर

वर्ष 2021-22 में खदान क्षेत्र एवं ग्राम में लगाये गये पौधों का विवरण

क्र.	पौधों का प्रकार	संख्या
1.	शीशम	20
2.	आम	25
3.	वयूल	15
4.	नीम	20
5.	तुलसी	25
6.	कटहल	15
7.	वरगद	15
8.	नीचू	15
	कुल संख्या	150

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

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



डिप्टी

J.P. INFRACON


ग्राम डिरमन पाली, तहसील गोहद, जिला- भिण्ड (म० प्र०)

सर्वे क्र०- 1071,1072,1074,1078,1079,1080,1086


रकबा - 7.11 हैक्टेयर

वर्ष 2022-23 में खदान क्षेत्र एवं ग्राम में लगाये गए पौधों का विवरण

क्र०	पौधों का प्रकार	संख्या
1	वकायन नीम	450
2	इलेक्टोनिया	300
3	सहजन	200
4	गुलमोहर	200
5	आंवला	50
	कुल संख्या	1200


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




04-09-2022

राकेश सिंह जाटव पुत्र श्री जगदीश सिंह

ग्राम डांग सरकार ,तेहसील गोहद , जिला भिण्ड (म.प्र.)

सर्वे क्र. 819, रकबा 1 हेक्टेयर

वर्ष 2021 में खदान क्षेत्र एवं ग्राम मे लगाये गये पौधों का विवरण

क्र.-	पौधों का प्रकार	संख्या
1.	सीसोन	19
2.	पीपल	27
3.	परवती	34
4.	नीम	17
5.	कटहल	23
6.	बरगद	18
7.	आम	17
8.	देशी बबूल	20
9.	रेमजा	19
10.	जामुन	9
11.	करीला	27
12.	सपेता	11
13.	लवेरा	17
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State Level Environment
Assessment Authority, M.P.
(F&CO)
Paryavaran Parisar
E-5, Area Colony, Bhopal (M.P.)


02/09/2022

P

कैला देवी माइनिंग एण्ड स्टोन क्रेशर ग्राम डरमन पाली तह-गोहद ,जिला-भिण्ड (म.प्र.)

सर्वे क्र./२४३३,२४५२,२४५३,२४५४,२४५५,२४५६,२४६०,२४६१,२४६२,

रकवा / ३.८९ हेक्टेयर

वर्ष २०२१-२२ में खाधान क्षेत्र एवं ग्राम में लगाये गए पौधों का विवरण

क्र.	पौधों का प्रकार	संख्या
1	शीषम	29
2	नीम	17
3	एल्स्टोनिया	31
4	जामुन	9
5	आम	8
6	बबूल	26
7	पाखर	15
8	नीबू	4
9	अमरुद	7
10	अशोक	6
	कुल-	152



State Level Environment Impact
Assessment Authority, M.P.
(SEIAA)
Paragvanan, Pansari
B.S. Park Colony, Bhopal (M.P.)

श्री चक्रधारी स्टोन एल.एल.पी

ग्राम डिरमन पाली, तहसील गोहद जिला भिण्ड म.प्र

वर्ष 2021-22 में खदान क्षेत्र एवं ग्राम में लगाये गये पौधों का विवरण

स.क्र	पौधों का प्रकार	संख्या
1	नीम	15
2	बरगद	3
3	सीसाग बडी	10
4	वपूल	10
5	चिरोल	5
6	गेंदा	5
7	पीपल	5
8	पाखर	10
9	कनेर	10
10	नीबू	5
11	अमरुद	7
12	लीपटस	5
13	जागुन	5
14	एस्केटोनिया	15
15	अशोक	18
16	वेलपत्र	9
17	अर्जुन	7
18	आम	8
19	सगी	5
20	कदम	10
21	कंजीर	15
22	आमला	6
	कुल	188

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

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

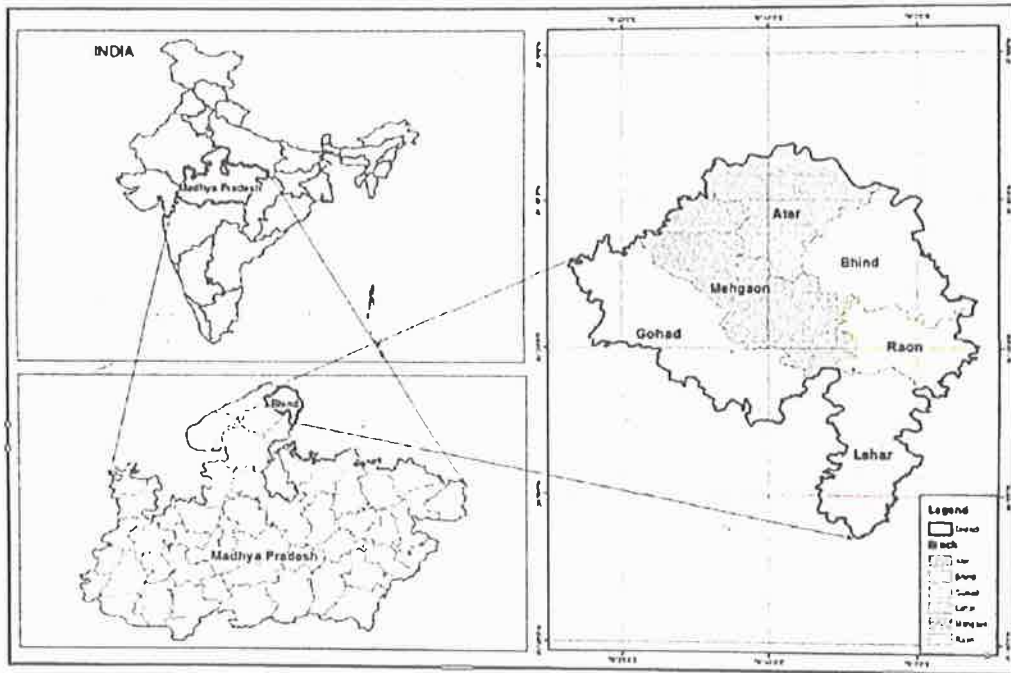


श्री चक्रधारी स्टोन

एल.एल.पी



DISTRICT SURVEY REPORT DISTRICT BHIND, M.P.



Soil Mining

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



कार्यालय कलेक्टर (खनिज शाखा) जिला भिण्ड (म०प्र०)

Email - modgmbhi@mp.gov.in

क्रमांक-5886...../खनिज/2022
प्रति,

भिण्ड, दिनांक 28/7/22

सदस्य सचिव
राज्य स्तरीय पर्यावरण समाघात प्राधिकरण (MPSEIAA),
पर्यावरण परिसर,
ई-5, अरेरा कॉलोनी, भोपाल (म.प्र.)

विषय:- भिण्ड जिले की रेत खनिज से भिन्न गौण खनिज यांत्रिकी क्रिया से गिट्टी (क्रेशर पत्थर) एवं ईट वास्ते गिट्टी की जिला सर्वेक्षण रिपोर्ट (DSR) प्रस्तुत करने बावत्।
संदर्भ:- इस कार्यालय का पत्र क्रमांक 5608 दिनांक 19.05.2022

—0—

उपरोक्त विषयान्तर्गत संदर्भित पत्र के माध्यम से भिण्ड जिले की रेत खनिज से भिन्न गौण खनिज यांत्रिकी क्रिया से गिट्टी (क्रेशर पत्थर) एवं ईट वास्ते गिट्टी की जिला सर्वेक्षण रिपोर्ट (DSR) भेजी जा रही है।

अतः अग्रिम कार्यवाही हेतु जिला सर्वेक्षण रिपोर्ट (DSR) आपकी ओर सादर प्रेषित है।

संलग्न:- उपरोक्तानुसार।


कलेक्टर

जिला भिण्ड (म.प्र.)


भिण्ड, दिनांक 28/7/22

पृ० क्रमांक-5887...../खनिज/2022
प्रतिलिपि:-

1. प्रमुख सचिव, म.प्र. शासन, खनिज साधन विभाग, मंत्रालय, भोपाल की ओर सूचनार्थ।
2. संचालक, भौमिकी तथा खनिकर्म, 29-ए, अरेरा हिल्स, भोपाल की ओर सूचनार्थ।
3. सचिव (SEAC), अनुसंधान एवं विकास विंग, म.प्र. प्रदूषण नियंत्रण बोर्ड, पर्यावरण परिसर, ई-5, अरेरा कॉलोनी, भोपाल (म.प्र.) की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु।


कलेक्टर

जिला भिण्ड (म.प्र.)


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

प्रति.

कलेक्टर महोदय
जिला भिण्ड (म.प्र.)

विषय:-

जिला सर्वेक्षण रिपोर्ट (DSR) के संबंध में प्रतिवेदन विषयक।


सन्दर्भ:-


1. माननीय राष्ट्रीय हरित प्राधिकरण नई दिल्ली का आदेश 726/2018/ एवं 456/2018 दिनांक 04.11.2020।
2. संचालनालय, भौमिकी तथा खनिकर्म, म.प्र. भोपाल का पत्र क्रमांक-16039 दिनांक 25.11.2021 एवं पत्र क्रमांक 2981 दिनांक 03.03.2022।


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उपरोक्त विषयांतर्गत आज दिनांक ~~18/07/2021~~ को कार्यालय संचालक, भौमिकी तथा खनिकर्म, मध्यप्रदेश भोपाल के पत्र क्रमांक 2981 दिनांक 03.03.2022 तथा कार्यालय कलेक्टर (खनिज शाखा) जिला भिण्ड का आदेश क्रमांक 5303 दिनांक 30.03.2022 के परिपालन में गठित समिति के सदस्य उपस्थित हुये। जिला स्तर पर गठित समिति के सदस्यों द्वारा रेत खनिज से भिन्न गौण खनिज क्लेशर पत्थर एवं मिट्टी हेतु पृथक-पृथक जिला सर्वेक्षण रिपोर्ट तैयार की गई तथा उसे आमजन की दावा/आपत्ति एवं सुझाव हेतु दिनांक 24.06.2022 को 21 दिन की अवधि के लिये जिले के पोर्टल bhind.nic.in पर तथा भौतिक रूप से अवलोकन हेतु खनिज कार्यालय में रखी गई। प्राप्त दावा/आपत्ति/सुझाव के आधार पर जिला सर्वेक्षण रिपोर्ट का पुनः परीक्षण कर आवश्यक संशोधन किया गया। इस प्रकार अंतिम रूप से तैयार जिला सर्वेक्षण रिपोर्ट (DSR) का समिति द्वारा अनुमोदन किया गया। प्रतिवेदन श्रीमान की ओर सादर प्रेषित है।


अनुविधागीय अधिकारी
राजस्व
(जिला भिण्ड (म.प्र.))


कार्यपालन यंत्री
जल संसाधन विभाग
जिला भिण्ड (म.प्र.)


वनमण्डलाधिकारी
सामान्य वनमण्डल
जिला भिण्ड (म.प्र.)


प्रभारी अधिकारी
(खनिज शाखा)
जिला भिण्ड (म.प्र.)


प्रभारी अधिकारी
राज्य प्रदूषण नियंत्रण मण्डल
ग्वालियर (म.प्र.)



जिला सर्वेक्षण रिपोर्ट (DSR)
आवेदन संख्या: 140/21
दिनांक: 21/07/2021
जिला भिण्ड (म.प्र.)

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



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

District Survey Report: Bhind


1. Introduction

A mineral wise district survey report (DSR) of Bhind district for mining minor minerals has prepared as mentioned in the In pursuance to th Gazette Notification , Ministry of Environment , Forest and Climate Change (MoEF & CC), the Government of India Notification No 5.O. 141 (E) Appendix-X. Dated 15.01.2016 & S.O. 3611 (E) New Delhi, 25th July 2018 laid procedure for preparation of District Survey Report of Minor mineral. The main purpose of preparation of District Survey Report (DSR) is to identify the Minor Mineral resources and developing the minor mineral mining activities along with other relevant data of the district. The entire District lies in the Chambal valley. It forms the south western part of Ganga Valley. The Hills are only a few, small and isolated, mostly in the south west. It is only in the Bhind Tehsil that the rivers flow towards east. The topology of Bhind is the topography of the valley plains. The plains at present are closely cultivated fields devoid of trees, stubbed with shrubby growth only along the moist hollows , and thickly populated. The only divisions of topography are offered by the network of rivers with deep channels and steep bank. The shape of the district is semicircular, bulging towards the north east. The greatest length of Bhind district measures about 105 km south east to North West.

Objective of District Survey Report

The District Survey Report shall form the basis for application for environmental clearance , preparation of reports and appraisal of projects .

- The District Survey Report (DSR) shall be prepared for each minor mineral in the district separately .
- The Report shall be updated once every five years .


State Level Environment Impact
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District Survey Report: Bhind

Location and Boundary:

Bhind district is situated in the northern part of the Madhya Pradesh and covers an area of 4459 sq . km . It lies between N Latitude 25 55 and 26 ° 45 ' and E longitude 78 ° 12 ' and 79 ° 05 ' and falling in Survey of India toposheet numbers 54 J and N. The District is bounded by Agra and Etawa districts of Uttar Pradesh in the north and Gwalior and Datia districts in the south. The eastern boundary is closed by the districts of Etawah Auraiya and Jalaun of Uttar Pradesh in the east , where as the western and north western boundaries are common with Morena district . The north western boundary is marked by the Asan and the Kunwari rivers , the northern and eastern boundaries being traversed by the Chambal and the Pahuj . Bhind district is divided into 8 tehsils and 6 blocks . It has 949 villages.

History:

The district is named after the mythological Hindu saint Vibhandak Rishi. also called Bhindi Rishi . During the Mahabharata war it was believed to have been ruled by the Chedis , then the Yadus . The Chedis were one of the Mahajanapadas . In the Mughal period the district fell under the Subedar of Agra . At the latter half of the 17th century a Jat family founded the town of Gohad and captured all the territory around it . He was . however , defeated by the Bhadawar rajputs . In 1736 and 1737 , the Marathas defeated the Raja of Bhadawar and forced him to flee from the district . In 1805 , the British , under a treaty with Gwalior , gave all the land comprising Bhind to the Scindias of Gwalior . In 1899 , the Bhind Gwalior light rail was built .


State Level Environment Impact
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E-5, Arera Colony, Bhopal (M.P.)



District Survey Report: Bhind

Table 1 Administrative Setup of the District

SUB-DIVISION	TEHSIL	BLOCKS
Bhind	Bhind	Janpad Panchayat Bhind
Ater	Ater	Janpad Panchayat Ater
Lahar	Lahar	Janpad Panchayat Roun
Gohad	Mehgaon	Janpad Panchayat Lahar
Mehgaon	Mau	Janpad Panchayat Gohad
	Raon	Janpad Panchayat Mehgaon
	Mihona	
	Gohad	
	Gormi	


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



District Survey Report: Bhind

1.1 Location of the District

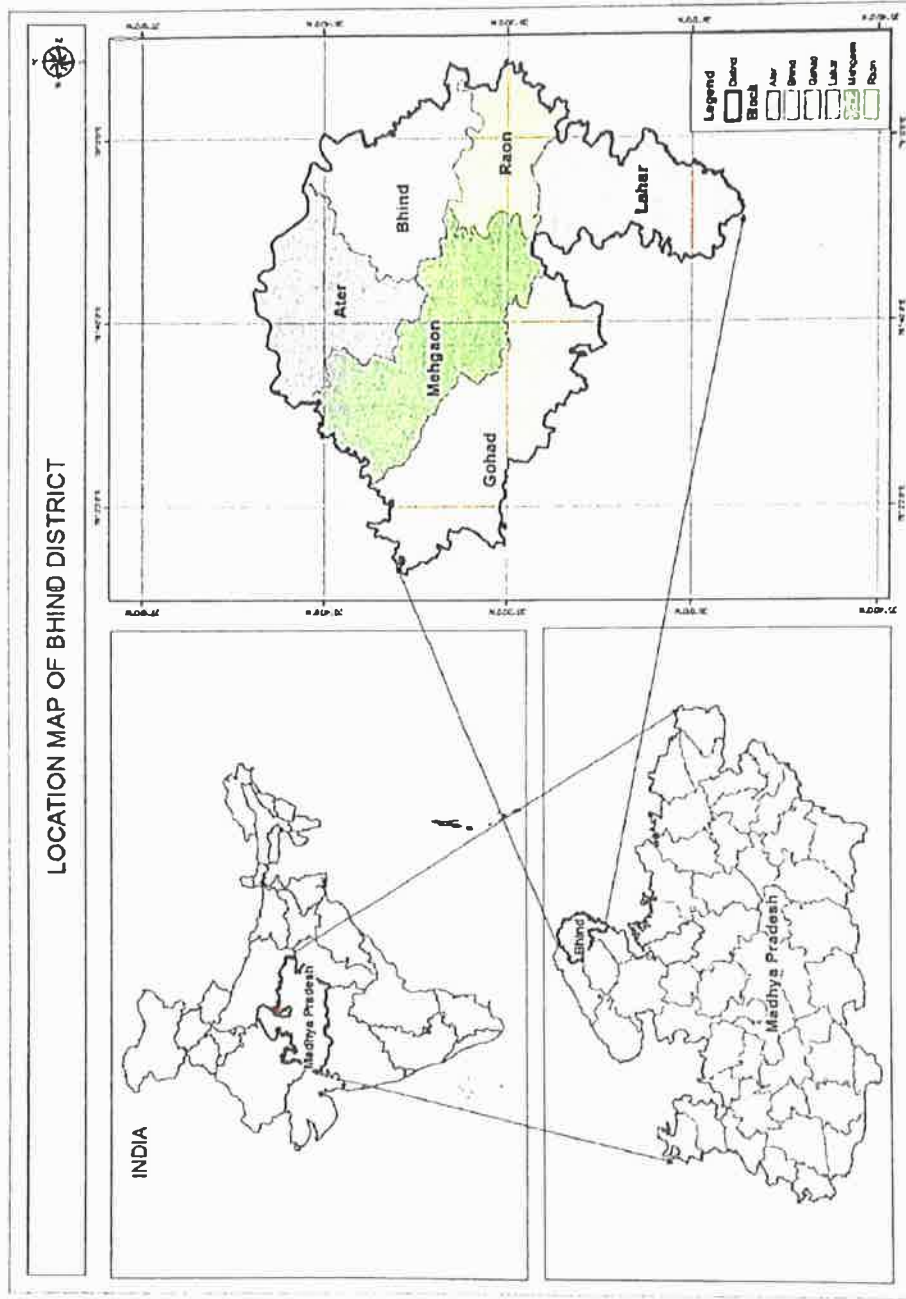



Figure 1 Location Map of the District


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



District Survey Report: Bhind

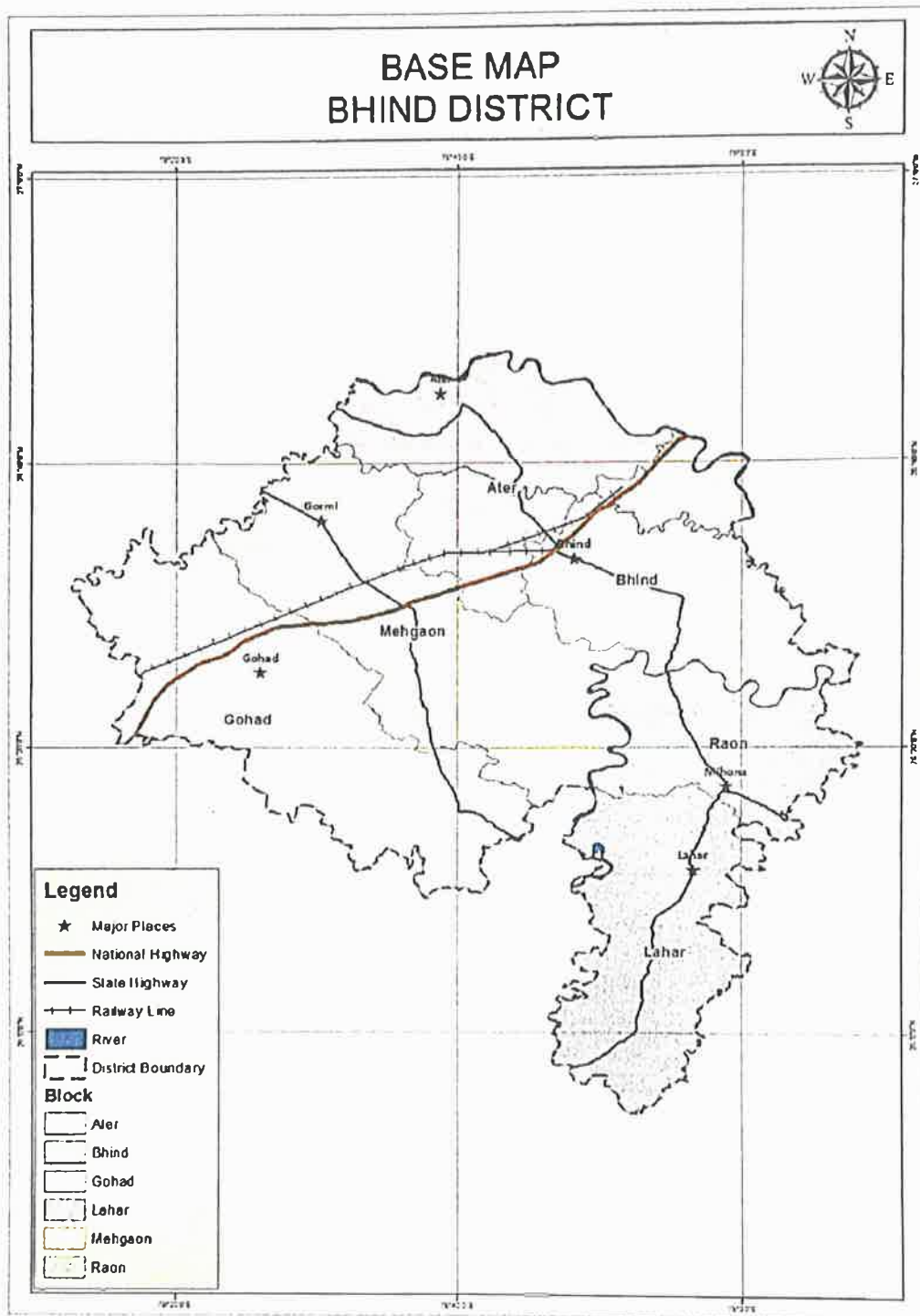


Figure 2 Base Map of the District

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



District Survey Report: Bhind

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 mined 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
Major Mineral		
1.	Nil	Nil
Minor Mineral		
2.	Stone Gitti	17,42,595.50M ³
3.	Sand	15,02,315 M ³
4.	Soil Brick	12500 M ³

Mineral Production In the District

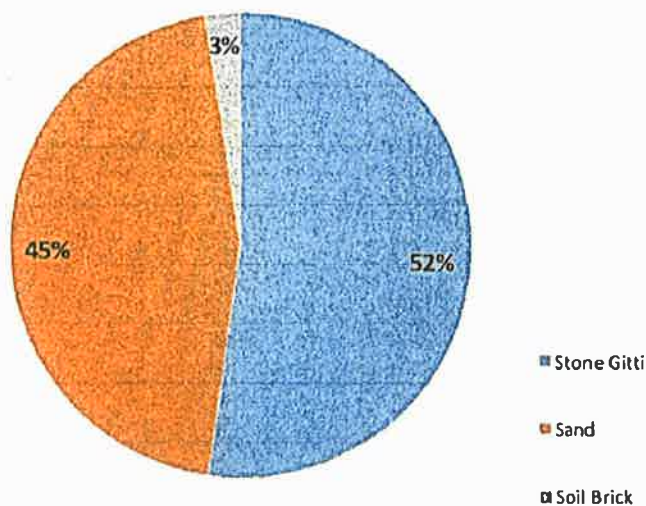


Figure 3 Production of Minor Mineral Mining in the District

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




District Survey Report Bhind

3. Minor Minerals Mined in the District

Table 3 List of Brick Soil mines


Sl. No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of Lessee	Mining lease Grant Order No. & date	Area of Mining lease (ha.)	Period of Mining lease (Initial)		Period of Mining lease (1 st /2 nd renewal)	
						From	To	From	To
1	2	3	4	5	6	7	8	9	10
1	Ordinary Clay	Shri Jitendra Sharma S/o Shri Kailash Narayan Sharma	R/o Village Viradhanpura District Bhind	Q/ dated 23.08.2014	1.620 ha	23.08.2014	22.08.2024		
2	Ordinary Clay	Shri Virendra Kumar S/o Shri Chhakkilal Sharma	R/o Village Akoda. District Bhind	13810/ 30.12.2015	1.098 ha	21.01.2016	20.01.2026		
3	Ordinary Clay	Shri Ranveer Singh Yadav S/o Shri Devidayal Singh	R/o Bhootabajar Bhind	13809 dated 20.12.2015	1.700 ha	16.04.2020	15.04.2025	1st	
4	Ordinary Clay	Shri Kamlesh Singh Yadav S/o Shri Devidayal Singh	R/o Bhootabajar Bhind	1197/ 28.01.2016	1.250 ha	09.02.2016	08.02.2026		
5	Ordinary Clay	Narendra Singh S/o Shri Janak Singh	R/o Village Nalipura Tehsil and District Bhind	9316/ 04.03.2016	1.00 ha	05.03.2016	04.03.2026		


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 P.O. Anara Colony, Bhopal (M.P.)



District Survey Report Bhind


Date of commencement of Mining Operation	Status (Working/Non-Working/Temporary Working for dispatch etc.)	Captive/Non-Captive	Obtained Environmental Clearance (Yes/No), If Yes Letter No with date of grant of EC.	Location of the Mining lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
11	12	13	14	15	16
—	Non-Working	Non-Captive	Yes 12384/21.03.16	26031'57.70"N, 78047'19.20"E 26031'53.40"N, 78047'16.40"E 26032'00.00"N, 78047'15.30"E 26031'55.40"N, 78047'12.40"E	Opencast
—	Non-Working	Non-Captive	Yes 10719/23.01.2016	26031'50.20"N, 78053'28.00"E 26031'53.00"N, 78053'31.80"E 26031'53.00"N, 78053'27.30"E 26031'52.40"N, 78053'29.50"E 26031'54.30"N, 78053'31.30"E 26031'50.90"N, 78053'29.80"E	Opencast
—	Non-Working	Non-Captive	Yes 9704/23.12.2015	26029'39.05"N, 78055'34.62"E 26029'38.33"N, 78055'36.09"E 26029'41.60"N, 78055'39.26"E 26029'40.22"N, 78055'41.29"E 26029'37.61"N, 78055'39.62"E 26029'38.33"N, 78055'38.55"E 26029'35.31"N, 78055'36.16"E 26029'36.22"N, 78055'34.62"E 26029'37.15"N, 78055'33.57"E	Opencast
—	Non-Working	Non-Captive	Yes 466/06.04.2016	26029'26.30"N, 78056'37.00"E 26029'25.10"N, 78056'38.60"E 26029'24.30"N, 78056'38.00"E 26029'25.30"N, 78056'36.20"E 26029'24.20"N, 78056'31.40"E 26029'23.60"N, 78056'31.00"E 26029'21.96"N, 78056'35.83"E 26029'21.18"N, 78056'38.11"E 26029'17.94"N, 78056'35.65"E 26029'18.54"N, 78056'33.85"E	Opencast
—	Non-Working	Non-Captive	Yes 419/23.04.2016	26033'15.42"N, 78044'47.23"E 26033'17.10"N, 78044'47.23"E 26033'14.76"N, 78044'41.29"E 26033'12.24"N, 78044'46.15"E	Opencast


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6	Ordinary Clay	Sanjay Daipuriya S/o Shri Kailash Narayan	R/o Ater Road Bhind	1092/ 27.01.2016	1.00 ha	03.03.2016	02.03.2026	—
7	Ordinary Clay	Ravindra Kumar Agnihotri S/o Shri Baburam	R/o Nabadabag Bhind	1336/ 02.02.2016	1.380 ha	09.02.2016	08.02.2026	—
8	Ordinary Clay	Anand Shivhare S/o Shri Murarilal	R/o Patch No. 1, Devnagar Colony Bhind	1090/ 27.01.2016	1.00 ha	02.03.2016	01.03.2026	—
9	Ordinary Clay	Soneram S/o Shri Bhoorelal	R/o Village Silauli Gormi District Bhind	100/ 04.08.2016	1.00 ha	08.03.2016	07.03.2026	—
10	Ordinary Clay	Arun Pratap S/o Shri Kailash Narayan Yadav	R/o Gram Gudupura Bhind	99/ 04.03.2016	1.390 ha	08.03.2016	07.03.2026	—
11	Ordinary Clay	Ashok Kumar Sharma S/o Shri Ram ji Lal	R/o Kanhausa Sadan Meeru Colony Bhind	1093/ 27.01.2016	1.32 ha	09.02.2016	08.02.2026	—
12	Ordinary Clay	Ashok Kumar Chaturvedi S/o Shri Kedarnath	R/o Village Akoda District Bhind	114/16, 09.03.2016	1.450 ha	16.03.2016	15.03.2026	—


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—	Non-Working	Non-Captive	Yes 1002/20.06.2016	26036'12.6"N, 78043'31.1"E 26036'10.1"N, 78043'29.8"E 26036'11.7"N, 78043'33.1"E 26036'09.0"N, 78043'31.5"E 26036'12.3"N, 78043'35.1"E 26036'11.6"N, 78043'36.6"E 26036'11.1"N, 78043'34.3"E 26036'10.5"N, 78043'36.1"E 26036'10.2"N, 78043'34.4"E 26036'09.1"N, 78043'35.4"E 26036'08.4"N, 78043'33.0"E 26036'07.6"N, 78043'34.6"E	Opencast
—	Non-Working	Non-Captive	Yes 395/23.04.2016	26035'36.85"N, 78042'1.200"E 26035'36.01"N, 78042'3.180"E 26035'32.29"N, 78042'1.140"E 26035'34.99"N, 78042'55.64"E 26035'36.43"N, 78042'56.54"E 26035'35.17"N, 78042'59.96"E	Opencast
—	Non-Working	Non-Captive	Yes 407/23.04.2016	26035'40.4"N, 78046'46.3"E 26035'38.4"N, 78046'45.2"E 26035'39.1"N, 78046'49.9"E 26035'37.0"N, 78046'48.8"E 26035'36.2"N, 78046'47.3"E 26035'36.8"N, 78046'46.0"E 26035'34.7"N, 78046'46.1"E 26035'35.4"N, 78046'45.2"E	Opencast
—	Non-Working	Non-Captive	Yes 386/23.04.2016	26036'34.80"N, 78029'33.30"E 26036'30.00"N, 78029'33.80"E 26036'33.40"N, 78029'35.40"E 26036'33.20"N, 78029'36.00"E 26036'34.00"N, 78029'36.20"E 26036'34.80"N, 78029'33.30"E	Opencast
—	Non-Working	Non-Captive	Yes 423/23.04.2016	26036'23.4"N, 78044'38.3"E 26036'22.4"N, 78044'39.3"E 26036'18.9"N, 78044'35.8"E 26036'19.9"N, 78044'35.7"E 26036'17.6"N, 78044'42.3"E 26036'16.9"N, 78044'42.3"E 26036'19.4"N, 78044'40.8"E 26036'16.0"N, 78044'39.7"E	Opencast
—	Non-Working	Non-Captive	Yes 425/23.04.2016	26031'35.95"N, 78048'57.74"E 26031'31.39"N, 78049'56.36"E 26031'33.67"N, 78049'01.44"E 26031'31.39"N, 78049'01.00"E	Opencast
—	Non-Working	Non-Captive	Yes 1004/20.06.2016	26031'15.1"N, 78053'14.6"E 26031'17.4"N, 78053'11.9"E 26031'16.3"N, 78053'10.5"E 26031'14.4"N, 78053'14.5"E 26031'13.6"N, 78053'14.7"E 26031'13.0"N, 78053'16.1"E 26031'15.4"N, 78053'19.0"E 26031'18.0"N, 78053'20.7"E 26031'19.8"N, 78053'17.4"E	Opencast


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13	Ordinary Clay	Ashok Yadav S/o Shri Moharman Singh	R/o Village Murlipura Bhind	150/ 18.03.2016	1.160 ha	13.07.2016	12.07.2026	—
14	Ordinary Clay	Omkar Singh S/o Shri Ranveer Yadav	Village Gehvat Umari District	129/16 14.03.2016	1.250 ha	15.03.2016	14.03.2026	—
15	Ordinary Clay	Vijay Kumar Gupta S/o Shri Jagdeesh Gupta	R/o Mahaveer ganj Bhind	1091/ 27.01.2016	2.00 ha	15.03.2016	14.03.2026	—
16	Ordinary Clay	Prahalad Sharma S/o Shri Matrulal	R/o Village Akoda District Bhind	1397/ 01.02.16	1.150 ha	10.06.2016	09.06.2026	—
17	Ordinary Clay	BrajMohan Singh Yadav S/o Shri Ramratan Singh	R/o Village Rachhedi Post Kachongra, in front of MJS College Bhind	95/16, 04.03.2016	1.00 ha	14.03.2016	13.03.2026	—
18	Ordinary Clay	Anuj Kumar Mishra S/o Shri Vinod Mishra	R/o Jhansi Mohalla Bhind	12273/ 24.11.2015	1.438 ha	26.07.2016	25.07.2026	—
19	Ordinary Clay	Shrimati Anita Bhadoriya W/o Ramkumar Bhadoriya R/o Village Kanawar Bhind	R/o Village Kanawar Bhind	894/ 10.06.2016	1.552 ha	13.06.2016	12.06.2026	—


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District Survey Report Bhind


—	Non-Working	Non-Captive	Yes 409/23.04.2016	26030'53.4"N, 78053'17.4"E 26030'54.9"N, 78053'14.8"E 26030'51.4"N, 78053'12.4"E 26030'50.1"N, 78053'14.4"E	Opencast
—	Non-Working	Non-Captive	Yes 1006/20.06.2016	26028'55.32"N, 78056'35.06"E 26028'51.24"N, 78056'41.34"E 26028'52.94"N, 78056'43.27"E 26028'57.18"N, 78056'37.32"E	Opencast
—	Non-Working	Non-Captive	Yes 415/23.04.2016	26029'5.46"N, 78056'39.37"E 26029'7.08"N, 78056'36.00"E 26029'10.92"N, 78056'38.59"E 26029'9.60"N, 78056'41.59"E 26029'5.10"N, 78056'39.73"E 26029'3.48"N, 78056'38.65"E 26029'2.10"N, 78056'41.53"E 26029'3.78"N, 78056'42.73"E	Opencast
—	Non-Working	Non-Captive	No	26031'33.4"N, 78053'24.0"E 26031'32.7"N, 78053'25.6"E 26031'35.2"N, 78053'25.1"E 26031'34.3"N, 78053'26.5"E 26031'35.5"N, 78053'27.9"E 26031'37.6"N, 78053'29.9"E 26031'35.3"N, 78053'24.2"E 26031'39.6"N, 78053'25.5"E	Opencast
—	Non-Working	Non-Captive	Yes 397/23.04.2016	26029'47.8"N, 78054'48.8"E 26029'45.5"N, 78054'52.4"E 26029'43.9"N, 78054'50.9"E 26029'44.2"N, 78054'50.0"E 26029'42.2"N, 78054'48.4"E 26029'43.2"N, 78054'46.8"E 26029'45.2"N, 78054'48.5"E 26029'46.3"N, 78054'47.4"E	Opencast
—	Non-Working	Non-Captive	Yes 399/23.04.2016	26031'27.00"N, 78052'57.9"E 26031'26.6"N, 78052'57.4"E 26031'24.9"N, 78052'00.2"E 26031'24.5"N, 78052'59.6"E 26031'22.8"N, 78052'57.8"E 26031'24.4"N, 78052'00.10"E 26031'22.00"N, 78052'58.8"E 26031'20.2"N, 78052'00.0"E 26031'19.0"N, 78052'58.5"E 26031'14.2"N, 78052'02.8"E 26031'14.0"N, 78052'01.5"E 26031'18.0"N, 78052'57.7"E 26031'19.9"N, 78052'57.4"E	Opencast
—	Non-Working	Non-Captive	Yes 3426/11.07.2017	26033'17.0"N, 78059'33.5"E 26033'13.8"N, 78059'30.3"E 26033'12.0"N, 78059'31.4"E 26033'12.7"N, 78059'33.0"E 26033'18.5"N, 78059'31.2"E 26033'16.6"N, 78059'29.6"E	Opencast


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20	Ordinary Clay	Amar Singh S/o Shri Nathu Singh	R/o Pur Tehsil and District Bhind	329/04.04.2016	1.980 ha	06.06.2016	05.06.2026	—
21	Ordinary Clay	Kaushalendra Singh S/o Shri Shishupal Singh	R/o Mahaveerganj, Near Masjid, Bhind	94/04.03.2016	2.560 ha	08.06.2016	07.06.2026	—
22	Ordinary Clay	Sarveshwar Dayal Sharma S/o Shri Shivnarayan Sharma	R/o Housing Colony Bhind	112/16, 09.03.16	1.140 ha	27.08.2016	26.08.2026	—
23	Ordinary Clay	Ramprakash Sharma S/o Bhogiram Sharma	R/o village Silauli Tehsil Gormi District Bhind	4124-4125/20.12.2017	1.096 ha	26.12.2017	25.12.2027	—
24	Ordinary Clay	Shrimati Munni Devi W/o Kailash Prajapati	R/o Village Silauli Tehsil Gormi District Bhind	2213-2214/10.01.2017	1.400 ha	10.01.2017	09.07.2027	—
25	Ordinary Clay	Narayan Prajapati S/o Shri Vidhyaram Prajapati	R/o Gohas District Bhind	5577-5578/15.09.2018	1.200 ha	15.09.2018	14.09.2028	—
26	Ordinary Clay	Ravi Yadav S/o Shri Rakesh Yadav	R/o Village Gormi District Bhind	4122-4123/20.12.2017	1.348	26.12.2017	25.12.2027	—


 State Level Environment Impact
 Assessment Authority, M.P.
 (EPCO)
 Parvathan Pansar
 E-5, Area Colony, Bhopal (M.P.)



District Survey Report Bhind

—	Non-Working	Non-Captive	Yes 3428/11.07.2017	26033'18.70"N, 78044'10.10"E 26033'21.70"N, 78044'12.20"E 26033'23.30"N, 78044'09.90"E 26033'20.40"N, 78044'07.30"E 26033'18.40"N, 78044'11.80"E 26033'17.40"N, 78044'15.40"E 26033'14.60"N, 78044'13.90"E 26033'16.20"N, 78044'10.20"E	Opencast
—	Non-Working	Non-Captive	Yes 3424/11.07.2017	26036'16.50"N, 78044'50.00"E 26036'19.20"N, 78044'46.20"E 26036'14.90"N, 78044'46.80"E 26036'11.20"N, 78044'47.00"E 26036'17.10"N, 78044'50.20"E 26036'18.40"N, 78044'45.70"E 26036'11.70"N, 78044'45.20"E 26036'12.40"N, 78044'47.60"E	Opencast
—	Non-Working	Non-Captive	Yes 405/23.04.2016	26032'04.8"N, 78046'51.8"E 26032'03.8"N, 78046'54.7"E 26032'0.24"N, 78046'52.28"E 26032'01.2"N, 78046'49.7"E	Opencast
—	Non-Working	Non-Captive	Yes 3418/11.07.2017	26036'34.4"N, 78029'35.3"E 26036'36.7"N, 78029'36.1"E 26036'35.2"N, 78029'39.8"E 26036'33.9"N, 78029'38.8"E 26036'31.4"N, 78029'34.3"E 26036'30.7"N, 78029'36.4"E	Opencast
—	Non-Working	Non-Captive	Yes 3422/11.07.2017	26037'36.00"N, 78030'06.30"E 26037'34.00"N, 78030'10.80"E 26037'40.50"N, 78030'14.40"E 26037'41.50"N, 78030'13.10"E 26037'37.90"N, 78030'07.20"E	Opencast
—	Non-Working	Non-Captive	Yes 3420/11.07.2017	26024'41.6"N, 78024'55.2"E 26024'39.6"N, 78024'58.4"E 26024'40.0"N, 78024'52.0"E 26024'37.6"N, 78024'53.6"E 26024'47.6"N, 78024'56.4"E 26024'48.1"N, 78024'50.9"E 26024'45.0"N, 78024'54.6"E 26024'43.4"N, 78024'50.7"E	Opencast
—	Non-Working	Non-Captive	Yes 3416/11.07.2017	26036'13.9"N, 78029'33.4"E 26036'10.3"N, 78029'33.4"E 26036'08.8"N, 78029'33.4"E 26036'11.1"N, 78029'33.4"E 26036'12.0"N, 78029'33.4"E 26036'13.6"N, 78029'33.4"E	Opencast


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



District Survey Report Bhind

27	Ordinary Clay	Shri Bhuvnesh Singh Tomar S/O Shri Rajendra Singh	Add.- 74, Ibrahimpur Tehsil Bharthana District Etawah U.P.	4461/27.01.2018	1.00 Ha.	14.03.2019	13.03.2029	-
28	Ordinary Clay	Smt. Keshwati W/O Shri Kedar Singh	Add.-House No. 171, Dilip Nagar New Kachahri ke Pass Lahar Road Bhind M.P.	408/24.07.2020	2.79 Ha.	-	-	-
29	Ordinary Clay	Shri Man Singh S/O Shri Dhruv Singh Bhadoriya	Add.- Gram & Post Kanavar, Chari District Bhind M.P.	3158/21.05.2021	1.360 Ha.	-	-	-
30	Ordinary Clay	Shri Jabar Singh S/O Shri Ramlakhan Singh	Add.-Gram Bilaav, Bhind M.P.	Q/20.01.2021	1.00 Ha.	30.11.2021	29.11.2031	-

[Signature]

State Level Environment Impact
Assessment Authority, M.P.
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Daryawala Badsar
E-5, Arera Colony, Bhopal (M.P.)



District Survey Report Bhind

-	Non-Working	Non-Captive	Yes 5747/05.10.2018	26016'24.19"N, 78053'25.72"E 26016'23.70"N, 78053'27.75"E 26016'21.10"N, 78053'27.40"E 26016'21.60"N, 78053'25.40"E 26016'20.07"N, 78053'28.39"E 26016'19.19"N, 78053'31.14"E 26016'17.85"N, 78053'31.21"E 26016'18.19"N, 78053'28.09"E 26016'19.53"N, 78053'25.13"E 26016'18.84"N, 78053'25.07"E 26016'19.04"N, 78053'22.35"E 26016'19.46"N, 78053'22.35"E	Opencast
-	Non-Working	Non-Captive	No	-	Opencast
-	Non-Working	Non-Captive	No	-	Opencast
-	Non-Working	Non-Captive	Yes 718/18.05.2021	26028'19.82"N, 78055'07.51"E 26028'17.37"N, 78055'11.96"E 26028'17.02"N, 78055'11.55"E 26028'16.82"N, 78055'11.50"E 26028'16.48"N, 78055'11.04"E 26028'16.54"N, 78055'10.77"E 26028'16.53"N, 78055'10.34"E 26028'16.36"N, 78055'09.85"E 26028'17.56"N, 78055'07.63"E 26028'16.46"N, 78055'06.72"E 26028'17.36"N, 78055'05.64"E	Opencast


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31	Ordinary Clay	Smt. Meena Singh W/O Shri Manvendra Singh	Add.- Mahua, Colony, Lahar District Bhind M.P.	1725/10.02. 2020	1.00 Ha.	24.09.2021	23.09.2031	—
32	Ordinary Clay	Shri Devidayal S/O Shri Asharam Prajapati	Add.- Ward 1, Chatarpura, Gohand, Gohadi, Gohad District Bhind M.P.	1034/28.10. 2020	1.00 Ha.	21.05.2021	20.05.2031	—


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



District Survey Report Bhind

-	Non-Working	Non-Captive	Yes 4373/27.10.2020	26007'08.76"N, 78053'58.10"E 26007'08.55"N, 78053'00.35"E 26007'07.85"N, 78053'00.31"E 26007'06.99"N, 78053'00.45"E 26007'06.78"N, 78053'00.99"E 26007'05.97"N, 78053'01.48"E 26007'05.94"N, 78053'02.42"E 26007'04.60"N, 78053'03.09"E 26007'04.40"N, 78053'59.22"E 26007'05.17"N, 78053'59.24"E 26007'06.10"N, 78053'58.91"E 26007'06.23"N, 78053'58.44"E	Opencast
-	Non-Working	Non-Captive	Yes 680/18.05.2021	26024'47.41"N, 78024'51.03"E 26024'47.25"N, 78024'54.51"E 26024'46.99"N, 78024'54.49"E 26024'46.82"N, 78024'54.00"E 26024'45.23"N, 78024'52.54"E 26024'43.08"N, 78024'52.76"E 26024'42.81"N, 78024'52.15"E 26024'44.39"N, 78024'51.91"E 26024'44.60"N, 78024'50.47"E 26024'46.21"N, 78024'50.57"E	Opencast



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

4 Details of Licensing Fee received in last three years for Minor Mineral Mine lease (2018-19, 2019-20 and 2020-2021):

Table 4 Licensing Fee received in last three years for Minor Mineral Mine lease

Year	Minerals	Licensing Fee (In Rs.)
2018 – 19	Soil	14,70,000
2019 – 20	Soil	45,00,000
2020 – 21	Soil	49,00,000

Details of Minor Mineral Production in last 3 years (2018-19, 2019-20 and 2020-2021):

Table 5 Minor Mineral Production in last 3 years

Year	Minerals	Production(In Cu.Mt)
2018 – 19	Soil	14,700
2019 – 20	Soil	56,250
2020 – 21	Soil	98,000

5. Mine Waste Management

Removal of ore from earth generates large quantities of waste such as soil, debris, overburden etc. The bigger the scale of mining, greater is the quantum of waste generation. Open cast mines generate much higher quantities of waste as compared to the underground mines producing 8 to 10 times as much waste as underground mines. However, these are variable and depend on the type of deposit and geology of the project location. All types of mineral mining generate waste materials.

A waste audit will provide information on sources and types of all wastes produced, their characteristics, generation pattern, and cost of storage, treatment and disposal.

The waste rock generated from both opencast and underground mines varies every year and may require external dumping when opening up. In case of opencast mines progressing internal dumping may be resorted to as far as possible.

The anticipated impacts are

- Impact of run off from overburden, topsoil, low-grade ore and other stockpiles on water bodies (siltation, contamination etc)
- Loss of vegetation and wildlife habitat
- Impact on surrounding agricultural land
- Impact on groundwater quality due to leachate from stockpiles, tailings dam
- Sliding of waste dumps

The dumps should have the following protection measures:

- The individual dump should have maximum slope of 37° and an overall slope not exceed 28°.
- The external dump should have stretches of retaining wall at suitable locations.
- The wall should be constructed with suitable height and top surface. The wall will have weep holes to drain out water to the garland drain.
- The back-filled areas should be levelled to match with adjoining ground level.
- The completed dumps and the back-filled areas should be afforested in a planned way to increase their stability.
- Over burden in most cases are not contaminated. However, composition of the leachability of heavy metals of over burden and low grade ore dumpsites are very important.
- Excavation of new pit should begin only after an existing pit is exhausted. This should ensure that the over burden and inter burden generated is use for back filling instead of being dumped elsewhere.

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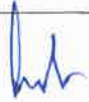
- The top soil prior to drilling and blasting should be stacked at designated area surrounded by embankment to prevent erosion.
- The over burden and top soil dumps should be stabilized by plantation and ankering with coir nets / blankets.
- Phase-wise waste management should be shown on surface plan in the mine leased area for the 5th year, 10th year, 15th year 20th year, 25th year and 30th year.
- Waste generated from treatment of mine drainage, if normally designated as hazardous waste as per the relevant rules should be disposed off as landfill. Used oil should be stored properly and sold to registered reprocessor.
- The solid waste from the township should be subjected to aerobic composting or vermi composting to produce organic manure and the residues should be disposed off in landfill.
- The over burden disposal underground mines should be explored for putting it inside the void. The method of stowing should be worked out.

The mine waste management should be as per the approved mine plan.

6 General Profile of the District

1. Geographical Position	It lies between N Latitude 25°55' and 26°45' and E longitude 78°12' and 79°05' and falling in Survey of India toposheet numbers 54 J and N.
2. Area and Population	I. Geographical Area (Sq.Km) Total Area (Sq.Km): 4,459 Km ² II. Census 2011 I. Population a. Total Population: 1,703,005 b. Male Population: 926,843 c. Female Population: 776,162 II. Literates a. Total Literates: 1,094,917 b. Male: 676,513 c. Female: 418,404 III. Main Workers (Census 2011) a. Total Workers: 520,768 b. Male Workers: 455,775 c. Female Workers: 64,993 d. Cultivators: 231,185 e. Agricultural Labourers: 158,266 f. Other Workers: 121,479 V. Languages Spoken in the District Hindi is a common language spoken by the inhabitant of the city.




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3. Temperature	Mean- Maximum temperature: 32.5°C Mean- Minimum temperature: 21.8°C
4. Rainfall (In mm)	Normal – South West Monsoon: 612.7 mm Annual Rainfall: 754.4mm
5. Agriculture	a. Total Cultivated Area (Ha): 344.8 b. Net Area Sown (Ha): 320.8 c. Area Sown more than once (Ha): 24.0
6. Rivers, etc.	Chambal, Asad, Kunawari, Besali, Sindh & Pahuj rivers drain the area.
7. Revenue Administrative Divisions	Revenue Divisions: a. Revenue Blocks: 6 b. Revenue Tehsils: 8
8. Local Bodies	a. Municipalities: 2 b. Nagar Panchayats: 9

7 Census Data 2011

Table 6 Census Data for year 2011

Description	2011
Actual Population	1,703,005
Male	926,843
Female	776,162
Population Growth	19.21%
Area Sq. km.	4,459
Density/Km ²	382
Proportion to population of Madhya Pradesh	2.34%
Sex Ratio (Per 1000)	837
Child Sex Ratio (0-6 Age)	843
Average Literacy	75.26
Male Literacy	85.40
Female Literacy	63.14
Total Child Population (0-6 Age)	248,230
Male Population (0-6 Age)	134,705
Female Population (0-6 Age)	113,525
Literates	1,094,917



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Male Literates	676,513
Female Literates	418,404
Child Proportion (0-6 Age)	14.58%
Boys Proportion (0-6 Age)	14.53%
Girls Proportion (0-6 Age)	14.63%

8 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 7 Land Use Pattern of the Study Area

Sr. No.	Class	Area in Ha.	Percentage of coverage
1	Canal/drain	171.3626	0.04 %
2	Cropland	3,73,815.9	83.97 %
3	Deciduous (Dry/Moist/Thorn)	7,250.911	1.63 %
4	Fallow land	530.2852	0.12 %
5	Forest Plantation	50.17493	0.01 %
6	Gullied/Ravenous land	40,788.25	9.16 %
7	Industrial	1,258.708	0.28 %
8	Lake/Ponds	124.8923	0.03 %
9	Mining / Quarry	267.6955	0.06 %
10	Reservoir/Tank	759.3986	0.17 %
11	River	4,301.775	0.97 %
12	Rural	4,964.047	1.12 %
13	Scrub Forest	1,024.176	0.23 %
14	Scrub land	6,847.507	1.54 %
15	Tree Clad Area	258.9849	0.06 %
16	Urban	2,769.467	0.62 %
	Total	4,45,183.553	100 %


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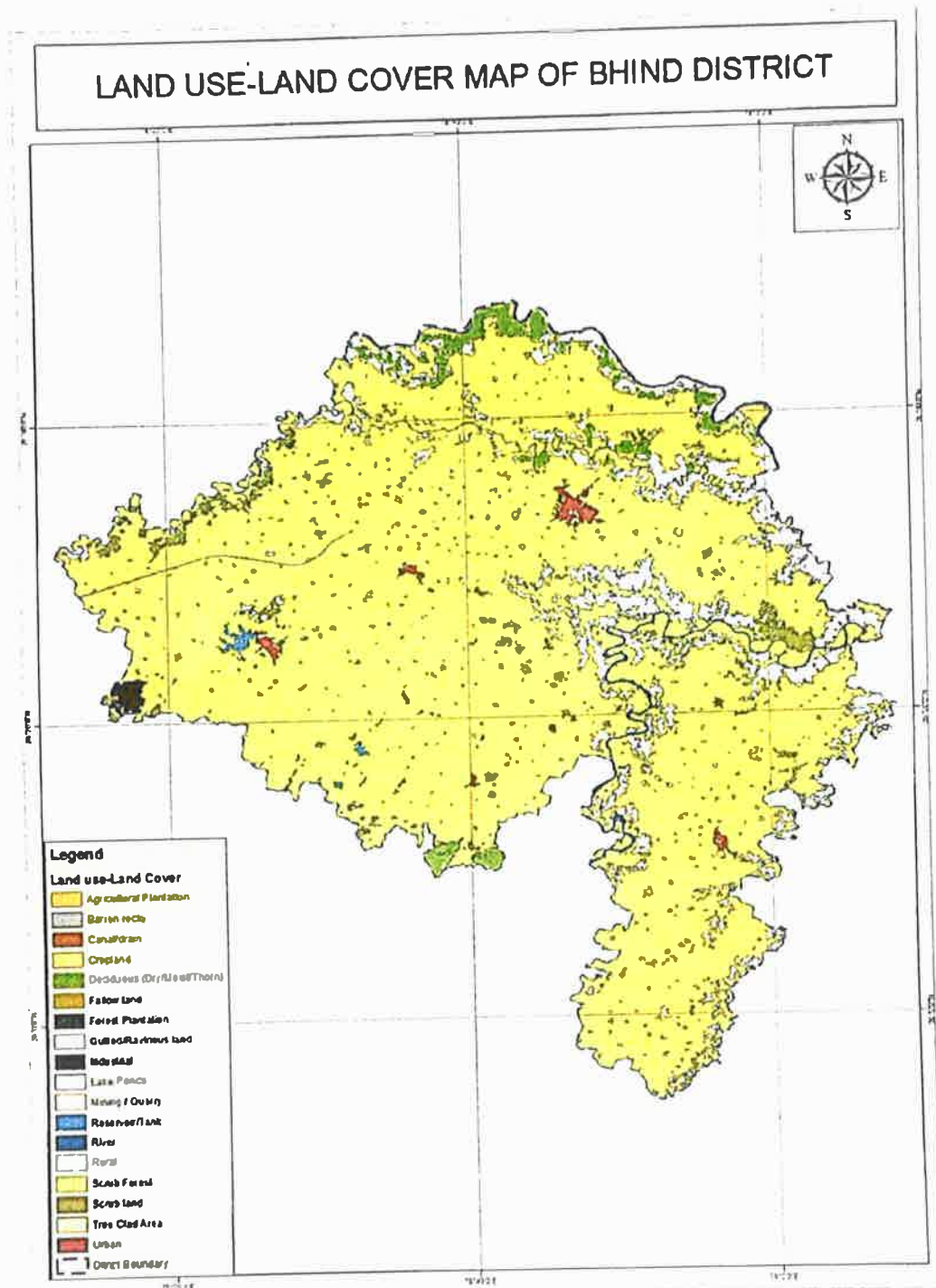


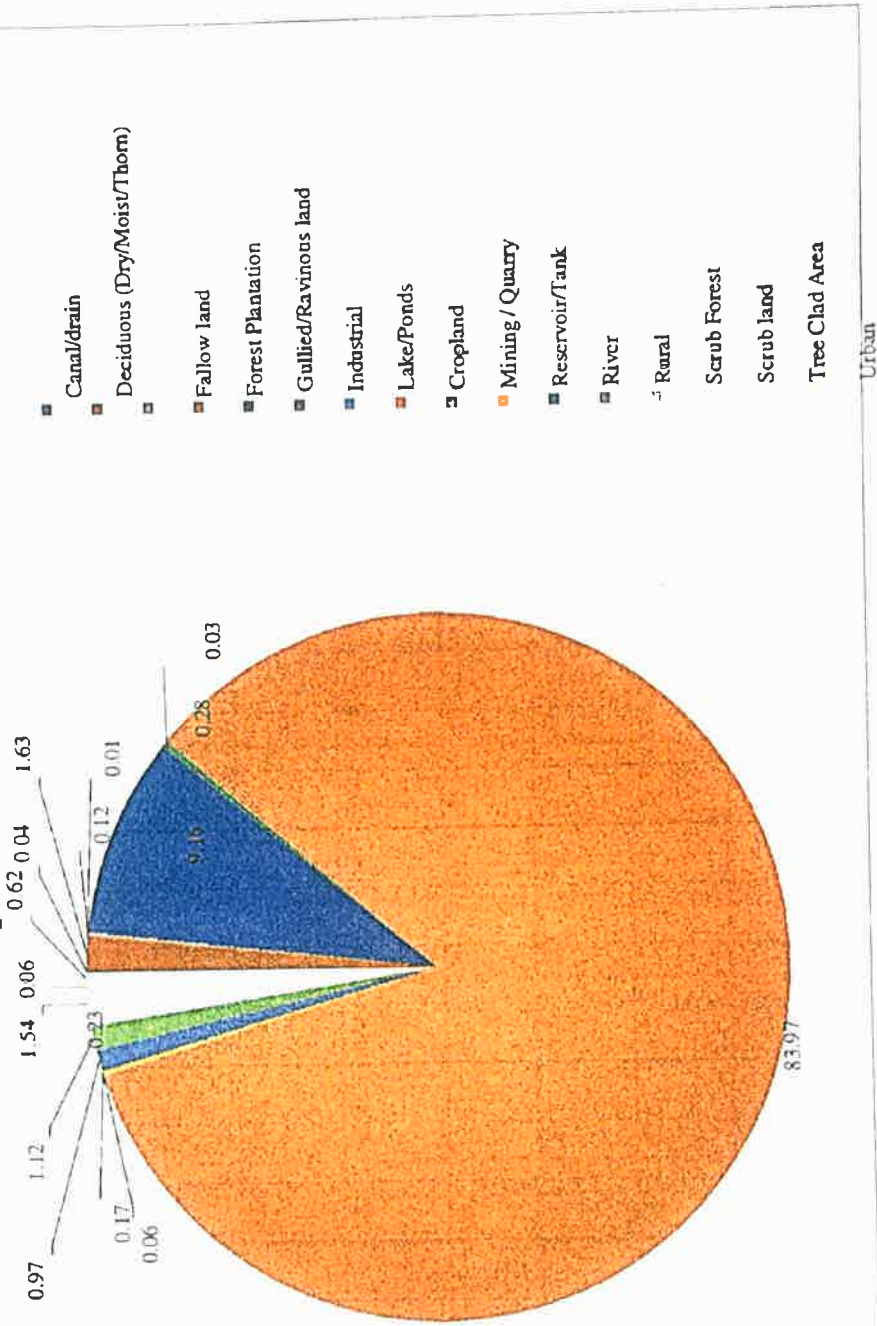
Figure- Land Use and Land Cover Map of the District

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Land use Breakup for the District in Percentage





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Figure 6 Land Use and Land Cover Breakup of the District

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9 Rainfall Data (Month wise) of the District

Table 8 Month wise Rainfall data (in mm) of the district

S. No.	Block	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1.	Barra	0.0	0.0	0.0	0.0	0.0	-	-	407.5	162.5	-	0.0	0.0
2.	Bhind	53.0	48.0	8.0	7.0	1.0	9.0	141.0	98.0	45.0	1.0	0.0	33.0
3.	Gohad	68.0	47.0	9.0	5.0	0.0	31.0	104.0	133.0	153.0	0.0	0.0	30.0
4.	Lahar	23.4	23.5	8.5	2.3	0.0	8.3	68.0	194.0	159.2	0.0	0.0	35.5
5.	Mebgaon	56.8	62.0	4.2	2.6	2.0	26.8	72.2	134.7	107.5	0.0	0.0	25.8


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10 Physiography of the District

Physiographically, a large area of the district forms part of the vast older alluvial plains. Ravines along the river Chambal is special feature of the district. The area has very gentle slope towards northeast with highest elevation of 190 m above MSL in the southwestern part and the lowest elevation of 149 m above MSL in the northwestern part. The district is crossed by a number of rivers and streams. The Chambal and the Siad are the main rivers of the district. The Chambal forms the northern boundary. As the 2 rivers are the tributaries of the Yamuna, they form parts of the Ganga drainage system. Apart from these, the other important rivers of the district are the Kunwari, the Pahuj, the Asan and the Vaisali.


11 Rainfall of the District and Climate Conditions

11.1 Rainfall

The normal rainfall of the district is 754.4 mm. District receives maximum rain fall during south west monsoon period i.e., June to September. About 91.9% of the annual rain fall predicates during the monsoon season.

11.2 Climatic Conditions

The climate of Bhind district, characterized by a hot summer and general dryness except during the southwestern monsoon. A year may be divided into four seasons, cold season from December to February followed by the hot season from March to about middle of June. The period from Middle of June to September is the southwestern monsoon season. October & November forms the post monsoon or transition period. During the southwest monsoon season the relative humidity generally exceeds 83% (August month). The driest period is summer season when relative humidity is less than 26%. May is the driest month of the year. Normal maximum temperature during the month of May is 42°C and minimum during January month is 7.1°C. Normal mean maximum & minimum temperature is 32.5°C & 21.8°C respectively. Wind velocity is higher during the pre-monsoon period as compared to the post monsoon period. The maximum wind velocity is 11.3 km/h during the month of June and minimum is 3.1 km/h during the month of November. Average normal annual wind velocity is 6.4 km/h.


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12 Geology of the District

The Chambal Badlands consist of alluvial deposits that are 50 – 60 m thick, and were deposited during the Quaternary period: the soils include highly oxidized fine sands, sandy loam and clayey loam, with some coarse sand in some areas (Joshi, 2014). The alluvial deposits include sediment rich in mica and non-expanding clays like illite and kaolinite, as well as high amounts of smectite clays.

The alluvial formation covers the major part of the district. Thickness varies from 70 to 250m and resting over the Vindhyan & Archaeans rocks. Alluvium consists of clay, sand & gravels. The thickness of the clay overburden generally decreases towards north. Thickness of sand and gravel aquifers vary from 3 to 17 m. The thickness of the overburden more than 60 m is occurring in south of Mehgaon.

Some outcrops of this formation are exposed in the western parts of the district in Gohad tehsil. The sandstone & shales of the formation are encountered in the tube wells between 86 to 172 m b.g.l. (Source CGWB, Ground water Exploration). As these rocks are hard compact & devoid of weaker zones therefore the ground water occurrence is meager and ground water development in this formation is less. The Vindhyan Basin, containing more than 5000 m thick sequence of sandstones, shales and limestone, occupies an area of about 1,62,000 sq.km of which about 80,000 Sq.km extends into the Ganga valley in the north and northeast beneath the Tertiary sediment of the Himalayan foredeep. In the southwest, the Vindhyan rocks are covered by Deccan volcanics.

Gwalior series is exposed in southwestern part of the district and consists of Banded Hematite Quartzite. Ground water occurs under semi confined to confined conditions and yield potential is less.


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Table 9 Geological Profile of the District

Age	Super Group	Group/ Formation	Lithology
Holocene	-	Younger Alluvium	Grey, red to brownish red, quartzo-felspathic, and micaceous sand and silt (cut off meanders, point bar and channel deposits)
Middle to late Pleistocene	-	Old Alluvium	Grey, red to brownish micaceous sand silt and clay loos, unconsolidated rock debris, colluvium, oxidised silt, subordinate grey to brown, micaceous sand with kankar and ferruginous nodules. Silt clay with red, medium to coarse sand stoned quartzo felspathic sand with ferruginous nodules at places.
Early Pleistocene	Vindhyan	-	White to greyish-white fine to medium grained thickly bedded sandstone. Green, brown, dirty white soft shale with limestone, dark grey to black hard, massive jaspilite.
Paleo to Meso Proterozoic	-	Gwalior Group	Ochre yellow, reddish brown, red, ferruginous shale with bands of chert, jasper, and limestone at base.


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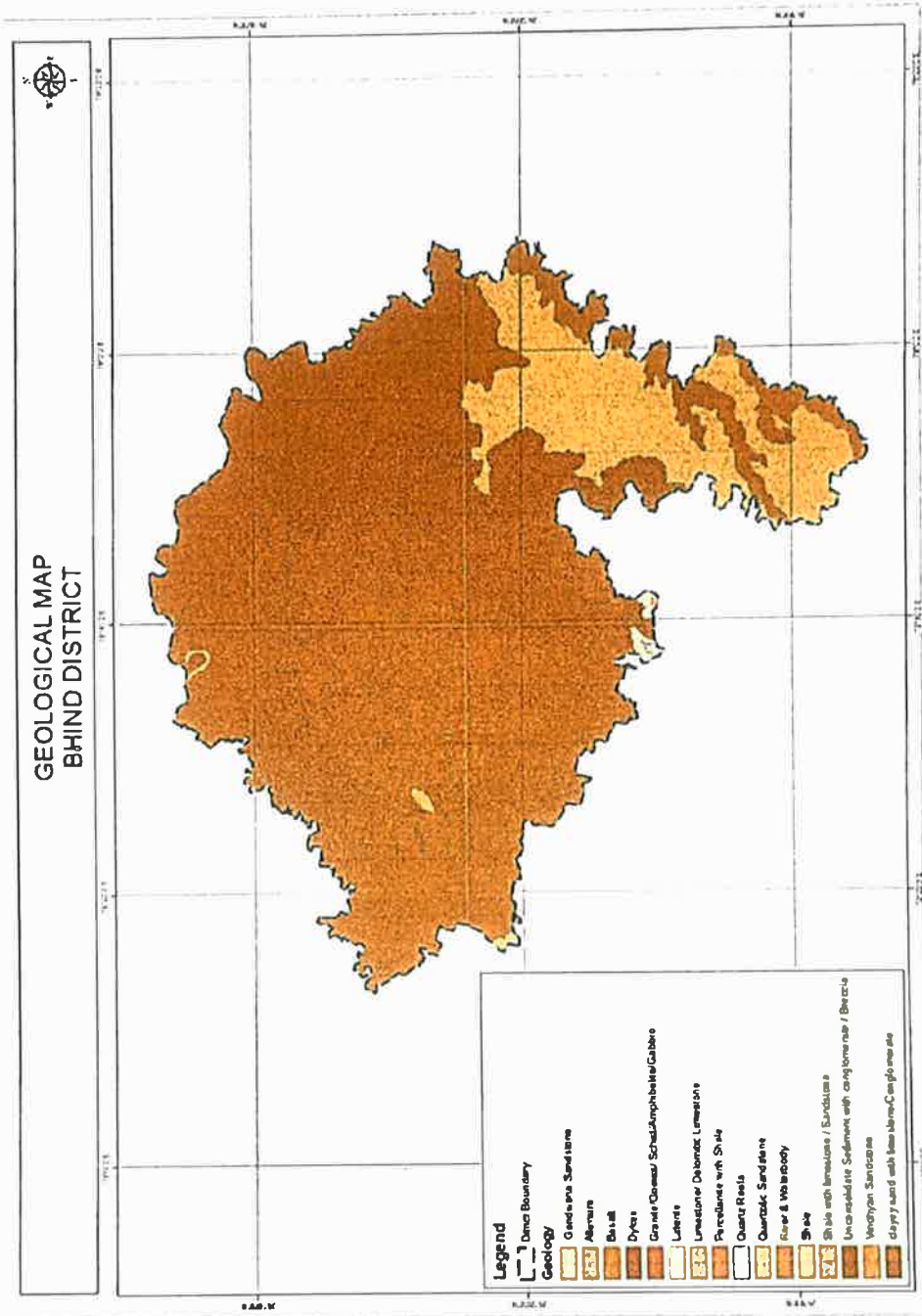



Figure- Geological Map of the District


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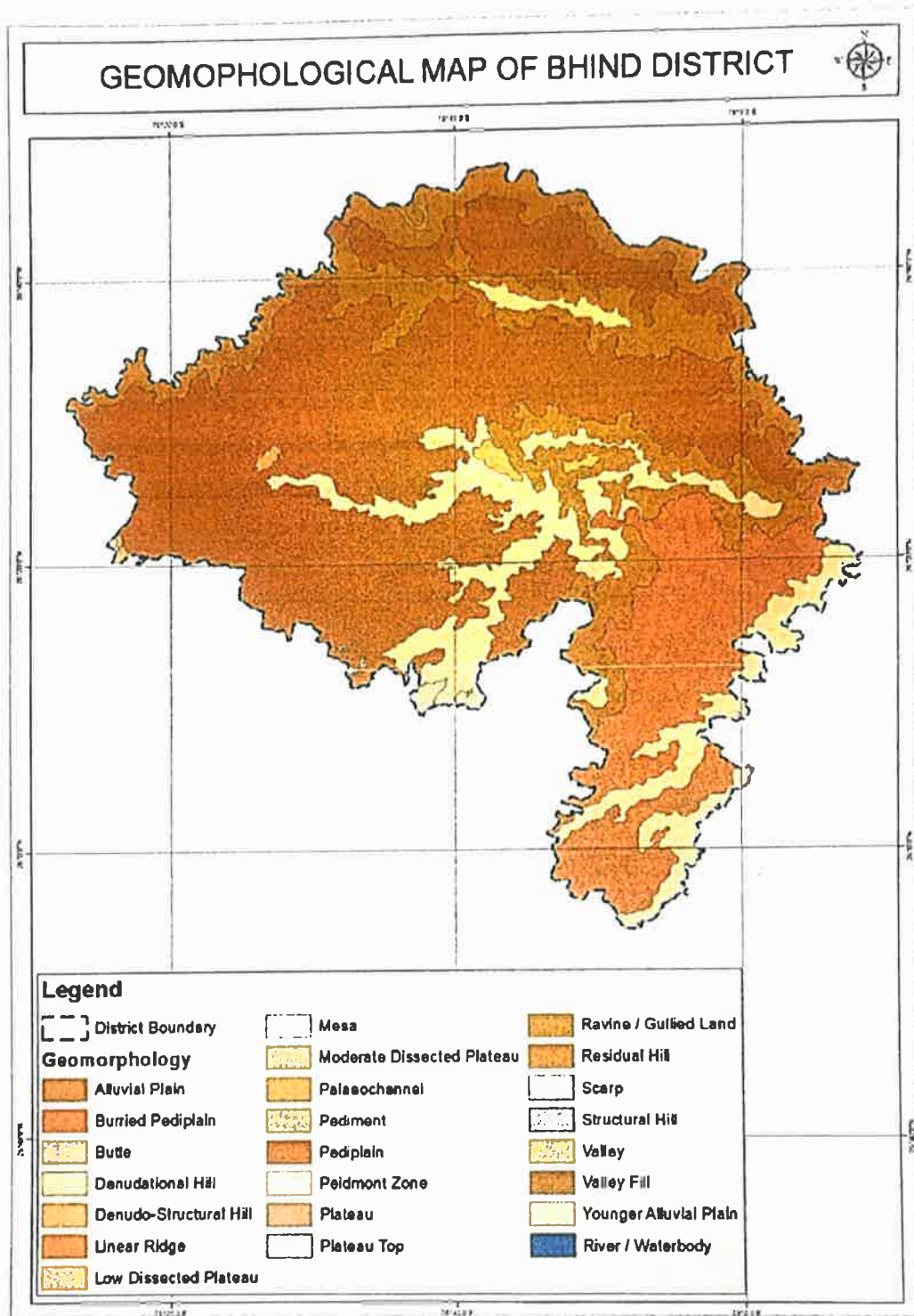


Figure- Geomorphologic Map of the District

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13 Drainage and Irrigation Pattern

13.1 Drainage Pattern

Chambal, Asad, Kunawari, Besali, Sindh and Pahuj rivers drain the area. Ravines & Gullies have developed along the course of all rivers particularly along the flood plains. A very fine network of gullies and forming dendritic drainage network characterizes these. The depth of dissection by gullies is more intense along the river Chambal as compared to others.

13.2 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.

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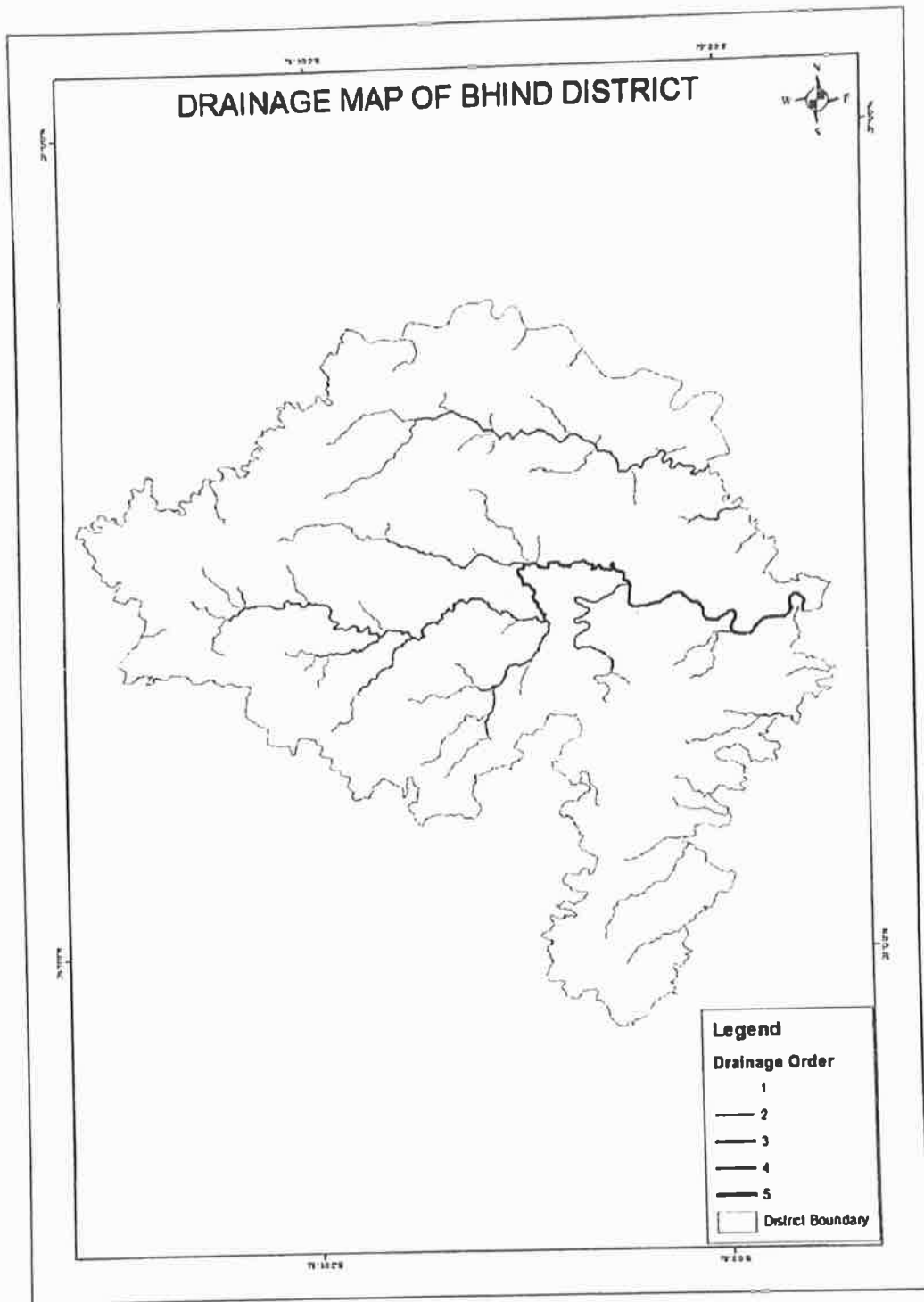


Figure- Drainage Map of the District

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14 Surface Water and Ground water scenario of the district

14.1 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. During the pre-monsoon period depth to water level ranges from 4.10 mbgl to 34.9 mbgl. However, in major part the depth to water level is less than 28 mbgl. Deeper water level of more than 30 mbgl is observed in small, isolated patches in northern and northeastern part. The depth to water level in post monsoon ranges from 2.40 mbgl to 34.9 mbgl. However, in major part the depth to water level ranges from 5 to 30 mbgl. Deeper water level of more than 30 mbgl is observed in two isolated patches one each in northern and north eastern part. During Pre-monsoon period an overall declining trend is observed. It ranges from 11.17 cm/year to 76.13 cm/year.

14.2 Surface Water

Chambal, Asad, Kunawari, Besali, Sindh and Pahuj rivers drain the area. Ravines & Gullies have developed along the course of all rivers particularly along the flood plains. A very fine network of gullies and forming dendritic drainage network characterizes these. The depth of dissection by gullies is more intense along the river Chambal as compared to others. The entire Bhind district lies in lower Chambal basin. Major tributaries are Kunwari, Asad, Besali, Sindh & Pahuj rivers.

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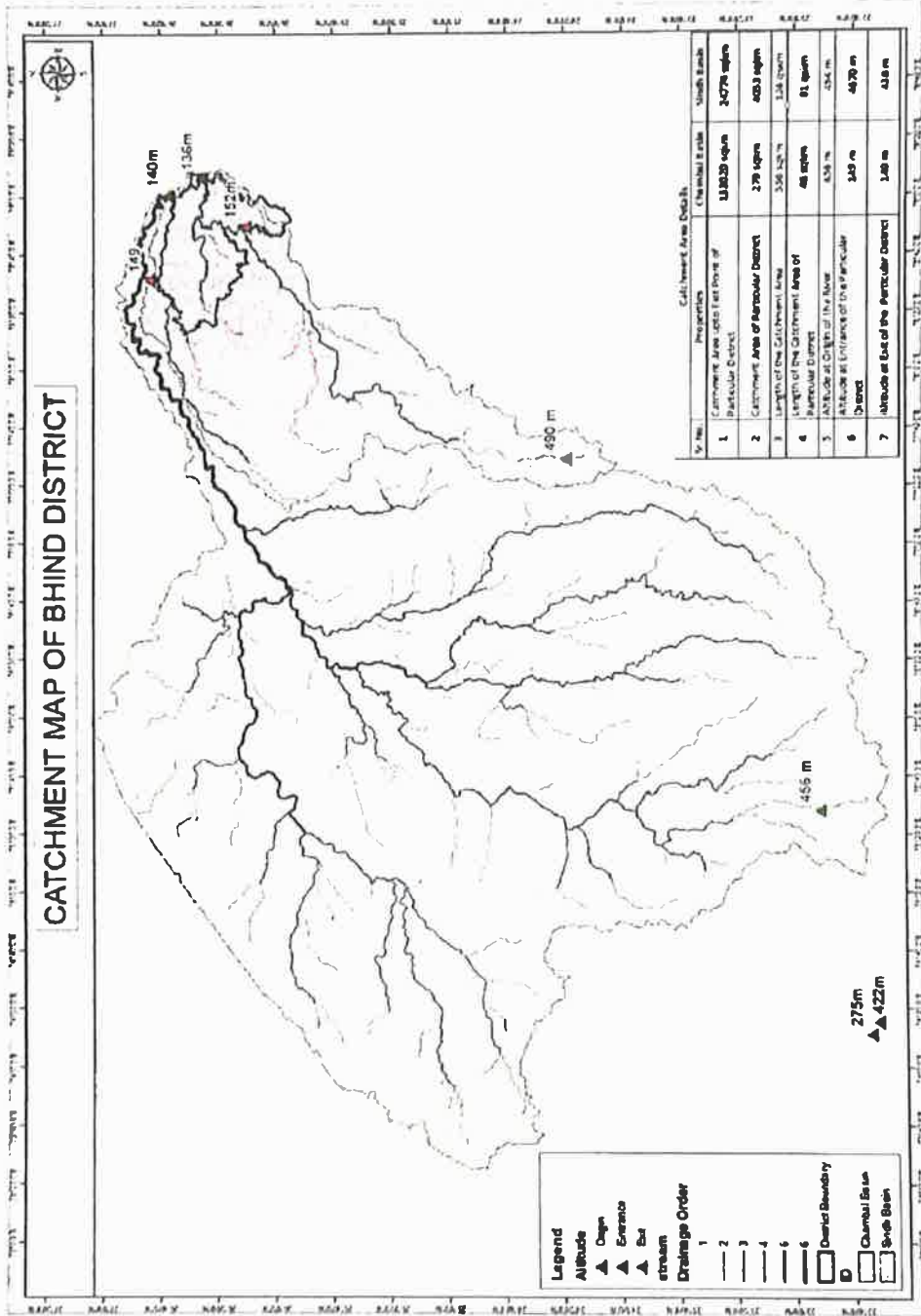



Figure- Catchment Map of District


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Table 10 Details of Catchment Area

Sr.No.	Properties	Chambal Basin	Sindh Basin
1	Catchment Area up to Exit Point of Particular District	133,020 sq. km	24,774 sq. km
2	Catchment Area of Particular District	279 sq. km	4,053 sq. km
3	Length of the Catchment Area	556 sq. km	324 sq. km
4	Length of the Catchment Area of Particular District	46 sq. km	81 sq. km
5	Altitude at Origin of the River	456 m	494 m
6	Altitude at Entrance of the Particular District	440 m	4670 m
7	Altitude at Exit of the Particular District	418 m	438 m

15 Details of Eco – Sensitive Area, if any, in the district

The National Chambal Sanctuary is spread over 435 square kilometres and lies across Sheopur, Morena and Bhind districts of Madhya Pradesh with a length of more than 400 kilometres. It is home to naturally living population of 75 per cent of gharial. The sanctuary also harbours national aquatic animal – the fresh water Gangetic dolphins, nine species of fresh water turtles and more the 180 species of migratory birds.

The critically endangered gharial and the red-crowned roof turtle live here, and together with the endangered Ganges River dolphin are the keystone species of the sanctuary. Other large, threatened inhabitants of the sanctuary include mugger crocodile, smooth-coated otter, striped hyena, and Indian wolf. Chambal supports 8 of the 26 rare turtle species found in India, including Indian narrow-headed soft-shell turtle, three-striped roof turtle and crowned river turtle. Other reptiles that live here are: Indian flap shell turtle, soft shell turtle, Indian roofed turtle, Indian tent turtle and monitor lizard. The National Chambal Sanctuary is listed as an important bird area and is a proposed Ramsar site. The sanctuary is protected under India's Wildlife Protection Act of 1972. The sanctuary is administered by the Department of Forest under the Project Officer with headquarter at Morena, Madhya Pradesh. Parts of the

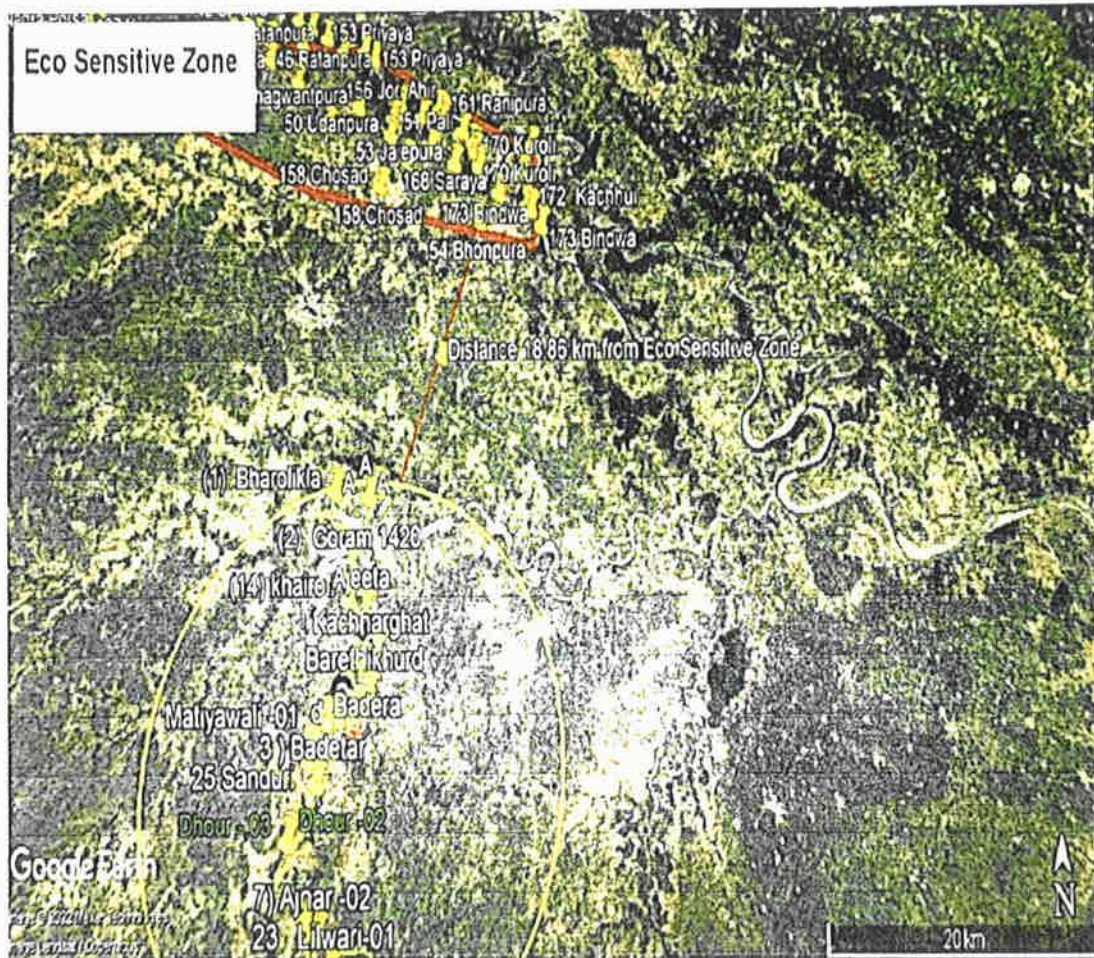

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sanctuary are threatened by extensive illegal sand mining, which is endangering the fragile lotic ecosystem critical for Gharial breeding.

**FIGURE-
SATELLITE MAP SHOWING Eco Sensitive Zone**




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16 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.

16.1 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. Chimney use in brick making process, coal and waste product of agriculture use for fuel and they burn exhaust gases CO_2 , CO , SO_2 , NO_2 .

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.

16.2 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, etc., surface water system, Drainage pattern of the area is altered.


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16.3 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.

16.4 Land Environment

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

16.5 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.

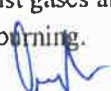
17 Remedial Measure to mitigate the impact of Mining on the Environment:

17.1 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.
- 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.
- The Chimney height should be as per Pollution Control Board guidelines.
- For minimise chimney exhaust gases alternate method of brick burning process should use like electric heat burning.


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- 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.

17.2 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.

17.3 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.


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17.4 Land Environment


- Riparian vegetation should be developed that does not 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.

17.5 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.

18 Reclamation of Mined out area

There is a 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.


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19 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.

19.1 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.

19.2 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 to carry 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.

19.3 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
- Effective prevention of damage to property.


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- 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.

20 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).


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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.

The CM&HO Bhind is responsible for the public Health activities and is in charge of the District Hospital, and the Civil and Ayurvedic dispensaries in the District. Administratively his office functions under the immediate control of the Joint Director of Health Services, Gwalior and under the overall control of the Director of Health Services Madhya Pradesh Bhopal.


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Table 11 Number of Health Centre' s in Bhind District

Block wise Distribution of Hospitals				
Block	Ayurvedic, Homco & Yunani	PHC+ Allopathic	SHC	Allopathic
Ater	11	7	33	30
Bhind	11	5	29	262
Mehgaon	12	5	41	40
Gohad	7	4	30	60
Roan	4	2	22	30
Lahar	9	5	25	30
Total	54	28	180	452

Table 12 Employees in formation of Health Centre' s in Bhind District

Medical and Health Employees (Block wise)							
Block	Medical Officer		Health Inspectors	Nurse	Compounder	Others	Total
	Allopathic	Others					
Ater	9	11	-	56	13	78	167
Bhind	33	08	1	85	23	173	323
Mehgaon	09	11	-	64	15	91	190
Gohad	14	05	-	54	10	74	157
Roan	03	1	-	31	07	36	78
Lahar	09	7	-	40	12	57	125
Total	77	43	1	330	80	509	1040


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Table 13 Tuberculosis Patient' s list of Bhind District.

Sr. No.	Year	No. of Patient in Govt. Hospital	No of Patient In Private Hospital	No of Active Patient In Govt. & Private Hospital
1.	2017	2262	76	00
2.	2208	551	551	00
3.	2019	2457	885	00
4.	2020	2551	566	00
5.	2021	2758	1272	765 Active Patient in Govt. Hospital and 357 Active Patient in Private Hospital from October 2021 to December 2021

Table 14 Silicosis Patient' s list of Bhind District.

S. no.	Village	No. of patients	Name of Patients	Age	Disease	Death
1.	Gohad	11	Shri Badansingh s/o Dharmjeet , gram dilipsingh ka pura	32	Silicosis	--
2.	Gohad		Shri Jagram s/o Dharmjeet, Gram Dang Sarkar	62	Silicosis	--
3.	Gohad		Shri Shivilal s/o Maanpal , Gram Dang Sarkar	70	Silicosis	--
4.	Gohad		Shri Chotelal s/o Ramdeen,	53	Silicosis	--
5.	Gohad		Shri Maharaj Singh s/o Dharmjeet , Gram Dang Sarkar	55	Silicosis	--
6.	Gohad		Smt Bisuna w/o Amarsingh , Gram Dang Sarkar	55	Silicosis	--
7.	Gohad		Shri Nathuram s/o Hargovind , Tonde wali Mata ka pura		Silicosis	Dead
8.	Gohad		Shri Asharam s/o Nanhelal , Gram Dang Sarkar		Silicosis	Dead
9.	Gohad		Shri Hakimsingh s/o Mahendrasingh	40	Silicosis	Dead
10.	Gohad		Shri Mangilal, Toliwali Mata		Silicosis	Dead
11.	Gohad		Shri Ramasare s/o Khutansingh , todewali Mata		Silicosis	Dead


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21 Plantation and Green Belt Development in respect of lease granted in the District:

Mining activities result in pollution of the environment. This requires protection of our environment. Plantation is the oldest technology for the restoration of the land damaged by the human activities as well as air pollution.

Trees are highly suitable for the detection and monitoring of the air pollutants and have been effectively used at various places by planting trees we can achieve the dual purpose of bio aesthetics as well as mitigation of pollution. Proper planning and plantation scheme depends upon the magnitude and type of pollution, selection of pollution tolerant and dust capturing plants

The plants should be ever green, large leaved, with rough bark, ecologically compatible, with low water requirement, requiring minimum care, capable to absorb pollutants, pollutant resistant, agro climatically suitable, fast growing, free from wind throw and breakage and with high pollution tolerance index. The species should be suitable to the climate, topography and soil. A minimum two rows of plantation will be carried out to minimize the effect of pollution. This would attenuate the pollutants level

Seondha Range of Datia Forest Division lie in the impact zone. The forest is a tropical dry deciduous mixed forest and tropical thorny scrub forest of density varying between 0.2 to 0.4. General site quality of the forests is V with some patches of site quality IVB. Greenbelt will be developed along the lease periphery covering 0.358 ha area. Native species will be planted like Amla, Neem, Pipal, Sissoo, Bargad, Mango, Amaltas, Karanj and about 1600 number of trees will be planted each year within safety zone, along approach Road, and in Village area and other places.


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Table 15 Recommended Plant species for green belt development/plantation

S. No.	Botanical Name	Family	Common Name
1.	Acacia leucophloea	Fabaceae	safed kikkar
2.	Acacia nilotica	Fabaceae	Babool
3.	Azadirachta indica	Meliaceae	Neem
4.	Balanites aegyptica	Zygophyllaceae	Hingor / Hingot
5.	Cordia dicotoma	Boraginaceae	gunda
6.	Dalbergia sisoo	Fabaceae	Shisham
7.	Capparis sepiaria	Capparaceae	Kanthari
8.	Delonix regia	Cesalpiniaceae	Gulmohar
9.	Ficus religiosa	Moraceae	Pipal
10.	Milium tomentosum	Milium tomentosum	Annonaceae
11.	Prosopis cineraria	Mimosaceae	Shemi
12.	Prosopis juliflora	Mimosaceae	Junglee kikkar
13.	Clerodendrum multiflorum	Verbenaceae	Arani
14.	Salvadora oleoides	Salvadoraceae	Bada Pilu
15.	Ziziphus oenoplea	Rhamnaceae	Makkay
16.	Capparis decidua	Capparaceae	Kair
17.	Ziziphus mauritiana	Rhamnaceae	ber
18.	Commiphora wightii	Bursersceae	guggul
19.	Jatropha curcas	Euphorbiaceae	Jamal Ghota
20.	Ricinus comunis	Euphorbiaceae	Arandi
21.	Securinega leucopyrus	Phyllanthaceae	Ghat baur
22.	Lantana indica	Verbnaceae	Ghaneri
23.	Mimosa himalayana	Mimosaceae	Agla
24.	Grewia flavescens	Tiliaceae	Chapra
25.	Achyranthes aspera	Amaranthaceae	Chirchita
26.	Alysicarpus vaginalis	Fabaceae	Chauli

Plantation has been done by project proponent on Barrier Zone, Non Mining Area, Approach road, nearby river bank and ravines etc. as per the suggestions of the authority.

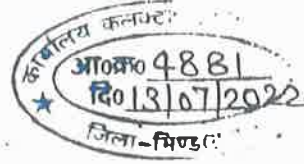


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प्रति,

प्रभारी अधिकारी,
खनिज शाखा
जिला भिण्ड



विषय:- जिला पोर्टल पर प्रदर्शित जिला सर्वेक्षण रिपोर्ट में दावा आपत्ति सुझाव विषयक।

उपरोक्त विषयांतर्गत लेख है कि जिला पोर्टल पर जो जिला सर्वेक्षण रिपोर्ट प्रदर्शित की गई है उसमें ईट वास्ते मिट्टी उत्खनिपट्टा की सूची के संबंध में कुछ दर्शाया नहीं गया है।


अतः इसे शामिल किया जाये।

मोनु सिंह
भवदीय

पता- जमुना नगर

भिण्ड




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आज दिनांक 06/09/22 को जिला सर्वेक्षण रिपोर्ट के प्रस्तुतीकरण के दौरान संचानालय, भौमिकी एवं खनिकर्म, विभाग भोपाल से श्री पी.पी. राय एवं सुश्री सोनल सिंह तोमर, उपस्थित रही। बुरहानपुर जिले की नवीन जिला सर्वेक्षण रिपोर्ट रेत खनिज हेतु प्रस्तुत की गई, जिसमें पाया कि:-

- ✓ जिला सर्वेक्षण रिपोर्ट की पेज नं. 48 में दर्शित तालिका में खनिज रेत हेतु लीजवार " माइनेबल मिनरल पोटेणियल " (घनमीटर में) (60% टोटल मिनरल पोटेणियल) लीजवार (लम्बाई एवं चौड़ाई के साथ) नहीं दिया गया है जो दिया जाना आवश्यक है।
- ✓ मिनरल पोटेणियल की गणना दर्शाने वाली टेबल में आवश्यक संशोधन कर रेत की 60% माइनेबल पोटेणियल (रेत खनन हेतु) मीट्रिक टन यूनिट में भी दर्शाये।
- ✓ जिला सर्वेक्षण रिपोर्ट में रेन फॉल का मासिक डेटा भी प्रस्तुत किया जाये।

चर्चा उपरांत समिति की यह अनुशंसा है कि बुरहानपुर की जिला सर्वेक्षण रिपोर्ट गौण खनिज एवं रेत खनिज को समिति की सुझाई गयी उपरोक्त अनुशंसाओं के तारतम्य में अद्यतन (अपडेट) किया जाये तथा संशोधित जिला सर्वेक्षण रिपोर्ट पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय की अधिसूचना दिनांक 25/07/18 के अनुसार पुनः प्रस्तुत की जावे तत्संबंध में उपस्थित खनिज अधिकारी को भी उपरोक्त संदर्भ में समझाईश दी गयी।

5. जिला सर्वेक्षण रिपोर्ट – भिण्ड (गौण खनिज- गिट्टी एवं मिट्टी)

Mineral	Other Minor Minerals (Stone & Soil)
Earlier DSR Discussed	SEAC 575 th , 591 Meeting dated 30.05.22 & 27.08.22
Approved /or recommend for Updation (if Updation then elaborate issues)	Recommended for DSR Updation (Other Minor Minerals)
Deliberation in the SEAC 575 th , 591 Meeting dated 30.05.22 & 27.08.22	<p>राज्य स्तरीय मूल्यांकन समिति की 575वीं बैठक दिनांक 30/05/22 गौण खनिज, जिला भिण्ड</p> <p>राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकारण (सिया) ने पत्र क्रमांक 519 दिनांक 20/05/22 के माध्यम से भिण्ड जिले की जिला सर्वेक्षण रिपोर्ट राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति के परीक्षण हेतु भेजी गई है। उक्त जिला सर्वेक्षण रिपोर्ट, राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति के सदस्यों को दिनांक 26/05/22 (सॉफ्टकापी) को प्रेषित की गई थी तथा उस पर चर्चा राज्य स्तरीय मूल्यांकन समिति की 575वीं बैठक दिनांक 30/05/22 में प्रस्तावित की गई।</p> <p>कार्यालय कलेक्टर (खनिज शाखा) जिला भिण्ड म.प्र. ने पत्र क्रमांक 5608 दिनांक 19/05/22 के माध्यम से अवगत कराया है कि इस जिला सर्वेक्षण रिपोर्ट पर सुझाव आमंत्रित करने बावत् उसे जिले के पोर्टल पर 30 दिवस की अवधि हेतु अपलोड किया गया था तथा प्राप्त आपत्ति/सुझाव को समिति द्वारा अवलोकन एवं निराकरण कर जिला सर्वेक्षण रिपोर्ट को अद्यतन किया गया। इस जिला सर्वेक्षण रिपोर्ट का अनुमोदन जिला स्तर पर गठित समिति द्वारा किया गया।</p> <p>राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति की 575वीं बैठक दिनांक 30/05/22 में भिण्ड जिले श्री राकेश देशमुख, प्रभारी खनिज अधिकारी ऑनलाईन उपस्थित हुए। जिला सर्वेक्षण रिपोर्ट पर चर्चा की गई जिसमें पाया गया कि :-</p> <ul style="list-style-type: none"> • राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकारण (सिया) ने पत्र क्रमांक 519 दिनांक 20/05/22 के माध्यम से भिण्ड जिले की जिला सर्वेक्षण रिपोर्ट पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय की अधिसूचना दिनांक 25/07/18

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	<p>के अनुसार अधिकांश जानकारियाँ समाहित की गई है बिंदु क्रमांक-26 की जानकारी जो माईनर मिनरल (रेत छोड़कर) से संबंधित है, के अवलोकन से ज्ञात होता है कि भिण्ड जिले में हरित क्षेत्र के विकास हेतु प्रस्तावित पौधों की प्रजातियों की जानकारी दी गई है तथा जिला सर्वेक्षण रिपोर्ट पूर्व के वर्षों में लीज धारकों द्वारा किये गये वृक्षारोपण की जानकारी की तालिका एवं फोटोग्राफ प्रस्तुत नहीं किये हैं और न ही संचालित खदानों में वृक्षारोपण की जानकारी नहीं दी गई है, जिसको अद्यतन किया जाना चाहिए। साथ ही निर्धारित लक्ष्य के विरुद्ध कितना वृक्षारोपण किस वर्ष किया है, उसको भी अंकित किया जाना चाहिए। अतः समिति का सुझाव है कि इस जिला सर्वेक्षण रिपोर्ट को जब भी अद्यतन किया जाये उपरोक्त जानकारियों को समाहित किया जाये।</p> <ul style="list-style-type: none"> • चर्चा के दौरान उपस्थित श्री राकेश देशमुख, प्रभारी खनिज अधिकारी को बताया गया कि जिला सर्वेक्षण रिपोर्ट के पेज नं. 92-94 टेबिल क्रमांक-17 में खनिज रेत हेतु "माइनेवल मिनरल पोर्टेशियल" (घनमीटर में) (60 प्रतिशत टोटल मिनरल पोर्टेशियल) लीजवार नहीं दिया गया है जिसके संदर्भ में उन्होंने बताया कि यह जानकारी उनके पास उपलब्ध है तथा वे "माइनेवल मिनरल पोर्टेशियल" (घनमीटर में) (60 प्रतिशत टोटल मिनरल पोर्टेशियल) का लीजवार विवरण प्रस्तुत कर देंगे, अतः भिण्ड जिले की जिला सर्वेक्षण रिपोर्ट का अनुमोदन करने का अनुरोध है। • इसी प्रकार जिले में स्वीकृत/प्रस्तावित खदानों को को-आर्डिनेट के अनुसार डिजिटार्इज मेप (आर्क व्यू / गूगल अर्थ कम्पेन्टवेल - सी.डी.में) भी संलग्न किया जाये ताकि पर्यावरण अभिसूचकता के समय खदानों की सही स्थिति ज्ञात करने में तथा 500 मीटर के अंदर स्थित अन्य स्वीकृत खदानों की जानकारी प्राप्त करने में सुविधा हो। <p>कार्यालय कलेक्टर, (खनिज शाखा) जिला भिण्ड के प्रभारी अधिकारी खनिज शाखा ने पत्र क्रमांक 5651/1/2022 दिनांक 30/5/22 के माध्यम से "माइनेवल मिनरल पोर्टेशियल" (घनमीटर में) (60 प्रतिशत टोटल मिनरल पोर्टेशियल) लीजवार विवरण की जानकारी प्रस्तुत कर दी गई है।</p> <p>चर्चा उपरांत समिति की यह अनुशंसा है कि भिण्ड जिले की जिला सर्वेक्षण रिपोर्ट पर आमजन के सुझाव आमंत्रित कर इनका अनुमोदन जिले में गठित समिति (बैठक दिनांक 18/05/22 में) द्वारा किया जा चुका है तथा कार्यालय कलेक्टर, (खनिज शाखा) जिला भिण्ड के प्रभारी अधिकारी खनिज शाखा ने पत्र क्रमांक 5651/1/2022 दिनांक 30/5/22 के माध्यम से "माइनेवल मिनरल पोर्टेशियल" (घनमीटर में) (60 प्रतिशत टोटल मिनरल पोर्टेशियल) लीजवार विवरण की जानकारी भी प्रस्तुत कर दी गई है। अतः समिति द्वारा सुझाई गई उपरोक्त अनुशंसाओं के साथ भिण्ड जिले की जिला सर्वेक्षण रिपोर्ट अनुमोदन हेतु विचारार्थ एवं आगामी कार्यवाही हेतु राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण की ओर प्रेषित किया जाये।</p> <p>राज्य स्तरीय मूल्यांकन समिति की 591वीं बैठक दिनांक 27/08/22 गौण खनिज, जिला भिण्ड</p> <p>जिला सर्वेक्षण रिपोर्ट, भिण्ड (गौण खनिज) (संशोधित) -</p> <p>आज दिनांक 27/8/22 को जिला सर्वेक्षण रिपोर्टों के प्रस्तुतीकरण के दौरान संचालनालय, भौमिकी एवं खनिकर्म, विभाग भोपाल से श्री पी.पी. राय एवं श्री दिनेश डूडवे, प्रभारी खनिज अधिकारी, उपस्थित रहे। नवीन जिला सर्वेक्षण रिपोर्ट रेत खनिज हेतु प्रस्तुत की गई, जिसमें पाया :-</p> <ol style="list-style-type: none"> 1. प्रस्तुत जिला सर्वेक्षण रिपोर्ट पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय की अधिसूचना दिनांक 25/07/18 में जानकारी निर्धारित फार्मेट (16 बिन्दुओं वाली टेबल) के अनुसार नहीं दी गयी है टेबिल क्रमांक-3 (पेज क्र. 14 से 23)। 2. भिंड जिले में जिला सर्वेक्षण रिपोर्ट में हरित क्षेत्र के विकास हेतु खदानों में वृक्षारोपण की जानकारी नहीं दी गई है। जानकारी के लीजवार शामिल कर अद्यतन किया जाना चाहिए। साथ ही निर्धारित लक्ष्य के विरुद्ध कितना वृक्षारोपण किस वर्ष किया है, उसको भी अंकित किया जाना चाहिए। <p>चर्चा उपरांत समिति की यह अनुशंसा है कि भिंड जिले की जिला सर्वेक्षण रिपोर्ट गौण खनिज को समिति की सुझाई गयी उपरोक्त अनुशंसाओं के तारतम्य में अद्यतन (अपडेट) किया जाये तथा संशोधित जिला सर्वेक्षण रिपोर्ट पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय की अधिसूचना दिनांक 25/07/18 के अनुसार पुनः प्रस्तुत की जावे तत्संबंध में उपस्थित खनिज अधिकारी श्री महेन्द्र पटेल को भी उपरोक्त संदर्भ में समझाईश दी गयी।</p>
<p>Approved /or recommend for Updation (if Updation then elaborate issues)</p>	<p>DSR (Other Minor Minerals)</p>

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दिनांक 21 सितम्बर 2022

Revised District Collectorate (Mining)	Vide District Collectorate (Mining) Office, Bhind No. 6359 dated 09.09.2022
SEAC meeting dated 21/09/22	<p>जिला सर्वेक्षण रिपोर्ट (गौण खनिज) भिण्ड – गिट्टी</p> <ul style="list-style-type: none"> जिले की जिला सर्वेक्षण रिपोर्ट के टेबिल क्रमांक-3 (पेज क्र०. 09 से 22) में जानकारी (16 बिन्दुओं वाली टेबल) निर्धारित फार्मेट के अनुसार दे दी गई है। रिपोर्ट के पेज क्र०. 55 से 72 में जिले में हरित क्षेत्र के विकास हेतु पूर्व के वर्षों में लीज धारकों द्वारा किये गये वृक्षारोपण की जानकारी, संख्याओं की जानकारी दी गई है। <p>जिला सर्वेक्षण रिपोर्ट (गौण खनिज) भिण्ड – मिट्टी</p> <ul style="list-style-type: none"> जिले की जिला सर्वेक्षण रिपोर्ट के टेबिल क्रमांक-3 (पेज क्र०. 09 से 22) में जानकारी (16 बिन्दुओं वाली टेबल) निर्धारित फार्मेट के अनुसार दे दी गई है।

आज दिनांक 21/09/22 को जिला सर्वेक्षण रिपोर्ट के प्रस्तुतीकरण के दौरान संचानालय, भौमिकी एवं खनिकर्म, विभाग भोपाल से श्री पी.पी. राय, एवं श्री राकेश देशमुख, प्रभारी, खनिज अधिकारी के साथ उपस्थित रहे।

समिति ने पाया कि खनि. अधिकारी, कार्यालय कलेक्टर, (खनिज शाखा) जिला- भिण्ड के पत्र क्र० 6359/खनिज/2022 दिनांक 09/09/22 के माध्यम खदान की जानकारी निर्धारित प्रपत्र में दे दी गई है तथा लीज धारकों द्वारा किये गये वृक्षारोपण की जानकारी, संख्या, भी प्रस्तुत कर दी गई है। अतः समिति भिण्ड जिले की जिला सर्वेक्षण रिपोर्ट (गौण खनिज- गिट्टी एवं मिट्टी) अनुमोदन हेतु विचारार्थ एवं आगामी कार्यवाही हेतु राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण की ओर प्रेषित की जाये।

6. जिला सर्वेक्षण रिपोर्ट, विदिशा –

अ. अन्य गौण खनिज – रेत को छोड़कर जिला, विदिशा

Mineral	Other than Sand –Minor mineral
Earlier DSR Discussed	SEAC 592 th Meeting dated 09.06.2022
Approved /or	Recommended for DSR Updation (Minor Minerals)

राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति (SEAC) की 594वीं बैठक दिनांक 21/09/2022 में रतलाम (गौण खनिज- गिट्टी) की जिला सर्वेक्षण रिपोर्ट में निम्नानुसार सुझाव सहित अनुशंसा की गई है।

".....समिति की अनुशंसा है कि रतलाम जिले की जिला सर्वेक्षण रिपोर्ट (गौण खनिज- गिट्टी) अनुमोदन हेतु विचारार्थ एवं आगामी कार्यवाही हेतु राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण की ओर प्रेषित की जाये।"

राज्य स्तरीय समाघात निर्धारण प्राधिकरण (SEIAA) द्वारा विस्तृत चर्चा एवं विचार विमर्श उपरांत SEAC की 594वीं बैठक दिनांक 21/09/2022 की अनुशंसा को मान्य करते हुए रतलाम (गौण खनिज- गिट्टी) की जिला सर्वेक्षण रिपोर्ट 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।

18. जिला सर्वेक्षण रिपोर्ट रीवा – अन्य गौण खनिज – रेत को छोड़कर

राज्य स्तरीय समाघात निर्धारण प्राधिकरण द्वारा 751वीं बैठक दिनांक 14.10.2022 में निम्नानुसार निर्णय लिया गया :-

राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति (SEAC) की 594वीं बैठक दिनांक 21/09/2022 में रीवा – अन्य गौण खनिज – रेत को छोड़कर की जिला सर्वेक्षण रिपोर्ट में निम्नानुसार सुझाव सहित अनुशंसा की गई है।


".....समिति की अनुशंसा है कि रीवा जिले की जिला सर्वेक्षण रिपोर्ट (अन्य गौण खनिज – रेत को छोड़कर) अनुमोदन हेतु विचारार्थ एवं आगामी कार्यवाही हेतु राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण की ओर प्रेषित की जाये।"

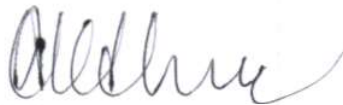
राज्य स्तरीय समाघात निर्धारण प्राधिकरण (SEIAA) द्वारा विस्तृत चर्चा एवं विचार विमर्श उपरांत SEAC की 594वीं बैठक दिनांक 21/09/2022 की अनुशंसा को मान्य करते हुए रीवा – अन्य गौण खनिज – रेत को छोड़कर की जिला सर्वेक्षण रिपोर्ट का अनुमोदन SEAC द्वारा सुझाई गई उपरोक्त अनुशंसाओं के साथ किया जाता है।


तदानुसार जिला कलेक्टर, रीवा को जिला सर्वेक्षण रिपोर्ट जिला पोर्टल पर अपलोड करवाये जाने एवं संचालक भौमिकी तथा खनिकर्म को सूचित किया जाये।

19. जिला सर्वेक्षण रिपोर्ट – भिण्ड (गौण खनिज- गिट्टी एवं मिट्टी)

राज्य स्तरीय समाघात निर्धारण प्राधिकरण द्वारा 751वीं बैठक दिनांक 14.10.2022 में निम्नानुसार निर्णय लिया गया :-


(श्रीमन् शुक्ला)
सदस्य सचिव


(अनिल कुमार शर्मा)
सदस्य


(अरुण कुमार भट्ट)
अध्यक्ष

राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति (SEAC) की 594वीं बैठक दिनांक 21/09/2022 में भिण्ड (गौण खनिज- गिट्टी एवं मिट्टी) की जिला सर्वेक्षण रिपोर्ट में निम्नानुसार सुझाव सहित अनुशंसा की गई है।

".....समिति की अनुशंसा है कि भिण्ड जिले की जिला सर्वेक्षण रिपोर्ट (गौण खनिज- गिट्टी एवं मिट्टी) अनुमोदन हेतु विचारार्थ एवं आगामी कार्यवाही हेतु राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण की ओर प्रेषित की जाये।"

राज्य स्तरीय समाघात निर्धारण प्राधिकरण (SEIAA) द्वारा विस्तृत चर्चा एवं विचार विमर्श उपरांत SEAC की 594वीं बैठक दिनांक 21/09/2022 की अनुशंसा को मान्य करते हुए भिण्ड (गौण खनिज- गिट्टी एवं मिट्टी) की जिला सर्वेक्षण रिपोर्ट का अनुमोदन SEAC द्वारा सुझाई गई उपरोक्त अनुशंसाओं के साथ किया जाता है।

तदनुसार जिला कलेक्टर, भिण्ड को जिला सर्वेक्षण रिपोर्ट जिला पोर्टल पर अपलोड करवाये जाने एवं संचालक भौमिकी तथा खनिकर्म को सूचित किया जाये।

20. जिला सर्वेक्षण रिपोर्ट –विदिशा (अन्य गौण खनिज – रेत को छोड़कर)

राज्य स्तरीय समाघात निर्धारण प्राधिकरण द्वारा 751वीं बैठक दिनांक 14.10.2022 में निम्नानुसार निर्णय लिया गया :-

राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति (SEAC) की 594वीं बैठक दिनांक 21/09/2022 में विदिशा (अन्य गौण खनिज – रेत को छोड़कर) की जिला सर्वेक्षण रिपोर्ट में निम्नानुसार सुझाव सहित अनुशंसा की गई है।

".....समिति की अनुशंसा है कि विदिशा जिले की जिला सर्वेक्षण रिपोर्ट (गौण खनिज) अनुमोदन हेतु विचारार्थ एवं आगामी कार्यवाही हेतु राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण की ओर प्रेषित की जाये।"

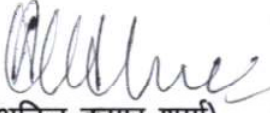
राज्य स्तरीय समाघात निर्धारण प्राधिकरण (SEIAA) द्वारा विस्तृत चर्चा एवं विचार विमर्श उपरांत SEAC की 594वीं बैठक दिनांक 21/09/2022 की अनुशंसा को मान्य करते हुए विदिशा (अन्य गौण खनिज – रेत को छोड़कर) की जिला सर्वेक्षण रिपोर्ट का अनुमोदन SEAC द्वारा सुझाई गई उपरोक्त अनुशंसाओं के साथ किया जाता है।


तदनुसार जिला कलेक्टर, विदिशा को जिला सर्वेक्षण रिपोर्ट जिला पोर्टल पर अपलोड करवाये जाने एवं संचालक भौमिकी तथा खनिकर्म को सूचित किया जाये।

21. जिला सर्वेक्षण रिपोर्ट – राजगढ़ (अन्य गौण खनिज – रेत को छोड़कर)

राज्य स्तरीय समाघात निर्धारण प्राधिकरण द्वारा 751वीं बैठक दिनांक 14.10.2022 में निम्नानुसार निर्णय लिया गया :-


(श्रीमन् शुक्ला)
सदस्य सचिव


(अनिल कुमार शर्मा)
सदस्य


(अरुण कुमार भट्ट)
अध्यक्ष



राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण, म.प्र.

(पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार)

पर्यावरण नियोजन एवं समन्वय संगठन
पर्यावरण परिसर, ई-5, अरेरा कॉलोनी
भोपाल-462016 (म.प्र.)

वेबसाइट- <http://www.mpseiaa.nic.in>

दूरभाष नं. - 0755-2466970, 2466859

फैक्स नं. - 0755-2462136

No: 1896 / SEIAA/2022

Date: 20/10/22

प्रति,

कलेक्टर

जिला - भिण्ड (म.प्र.)

विषय: नवीन जिला सर्वेक्षण रिपोर्ट - भिण्ड (गौण खनिज- गिट्टी एवं मिट्टी)

संदर्भ: आपका पत्र क्र. 6359/खनिज/2022 दिनांक 09/09/22

राज्य स्तरीय समाघात निर्धारण प्राधिकरण द्वारा 751वीं बैठक दिनांक 14.10.2022 में निम्नानुसार निर्णय लिया गया :-

राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति (SEAC) की 594वीं बैठक दिनांक 21/09/2022 में भिण्ड (गौण खनिज- गिट्टी एवं मिट्टी) की जिला सर्वेक्षण रिपोर्ट में निम्नानुसार सुझाव सहित अनुशंसा की गई है।

".....समिति की अनुशंसा है कि भिण्ड जिले की जिला सर्वेक्षण रिपोर्ट (गौण खनिज- गिट्टी एवं मिट्टी) अनुमोदन हेतु विचारार्थ एवं आगामी कार्यवाही हेतु राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण की ओर प्रेषित की जाये।"

राज्य स्तरीय समाघात निर्धारण प्राधिकरण (SEIAA) द्वारा विस्तृत चर्चा एवं विचार विमर्श उपरांत SEAC की 594वीं बैठक दिनांक 21/09/2022 की अनुशंसा को मान्य करते हुए भिण्ड (गौण खनिज- गिट्टी एवं मिट्टी) की जिला सर्वेक्षण रिपोर्ट का अनुमोदन SEAC द्वारा सुझाई गई उपरोक्त अनुशंसाओं के साथ किया जाता है। तदनुसार जिला कलेक्टर, भिण्ड को जिला सर्वेक्षण रिपोर्ट जिला पोर्टल पर अपलोड करवाये जाने एवं संचालक भौमिकी तथा खनिकर्म को सूचित किया जाये।

उपरोक्त निर्णयानुसार कृपया अनुमोदित नवीन जिला सर्वेक्षण रिपोर्ट 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।

(श्रीमन् शुक्ला)
सदस्य सचिव

क्र.. /SEIAA/2022 भोपाल दिनांक

प्रतिलिपि :-

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