

# DISTRICT SURVEY REPORT OF MANDSAUR DISTRICT FOR OTHER MINOR MINERALS

(OTHER THEN SAND MINING OR RIVER BED MINING)

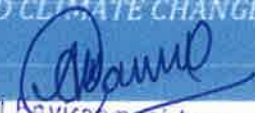


## MINERAL RESOURCES DEPARTMENT

YEAR-2022

MANDSAUR DISTRICT

IN COMPLIANCE OF MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE,  
NOTIFICATION DATED: 15.01.2016

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

कार्यालय कलेक्टर (खनिज शाखा) जिला मंदसौर म.प्र. (19)

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क्रमांक / 2048 / खनिज / 2022  
प्रति,

मंदसौर, दिनांक 19/09/2022

सदस्य सचिव,  
सेक  
भोपाल (म.प्र.)

विषय:— मंदसौर जिले की अन्य गौण खनिज (गिट्टी, मुरम, शेल एवं लेटेराईट) की जिला सर्वेक्षण रिपोर्ट 2022 (अद्यतन) प्रस्तुत करने बाबत।

संदर्भ:— 592 वीं. राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति की बैठक दिनांक 06 सितंबर 2022 का कार्यवाही विवरण।

—0—

उपरोक्त विषयांतर्गत निवेदन है कि 592 वीं. राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति की बैठक दिनांक 06 सितंबर 2022 में जिला मंदसौर की अन्य गौण खनिज (गिट्टी, मुरम, शेल एवं लेटेराईट) की जिला सर्वेक्षण रिपोर्ट 2022 प्रस्तुत की गई थी।

संदर्भित कार्यवाही विवरण अनुसार रिपोर्ट अनुसार बिंदुओं की पूर्णता: की जाकर अद्यतन जिला सर्वेक्षण रिपोर्ट पत्र के साथ सलंगन सादर प्रस्तुत है।

सलंगन:— उपरोक्तानुसार।

Bhauw  
19/9/2022

प्रभारी अधिकारी  
खनिज शाखा  
जिला मंदसौर म.प्र.  
मन्दसौर, दिनांक 19/09/2022

पृ.क्रमांक 2049 / खनिज / 2022,  
प्रतिलिपि:—

1. सदस्य सचिव, सिया भोपाल म.प्र. की ओर सूचनार्थ प्रेषित।
2. संचालक, प्रशासन एवं खनिकर्म, भोपाल की ओर सूचनार्थ प्रेषित।

Bhauw  
19/9/2022

प्रभारी अधिकारी  
खनिज शाखा  
जिला मंदसौर म.प्र.

## PREAMBLE

In pursuance to the Gazette Notification, Ministry of Environment, Forest and Climate Change (MoEF& CC), the Government of India Notification No.S.O.141(E)Appendix- X, Dated 15.01.2016 & S.O. 3611 (E) New Delhi, 25<sup>th</sup>July 2018 laid procedure for preparation of District Survey Report of sand mining or river bed mining keeping in mind the "Sustainable Sand Management Guidelines 2016" which focuses on the Management of Sand Mining in the Country and "Enforcement & Monitoring Guidelines for Sand Mining-2020" which focus on prevention of illegal mining in the country.

The Ministry of Environment, Forests & Climate Change (MoEFCC), Government of India, made Environmental Clearance (EC) for mining of minerals mandatory through its Notification of 27th January, 1994 under the provisions of Environment Protection Act, 1986.

Keeping in view the experience gained in environmental clearance process over a period of one decade, the MoEFCC came out with Environmental Impact Notification, SO 1533 (E), dated 14th September 2006. It has been made mandatory to obtain environmental clearance for different kinds of development projects as listed in Schedule-1 of the Notification.

Further, In pursuance to the order of Hon'ble Supreme Court dated the 27th February, 2012 in I.A. No.12- 13 of 2011 in Special Leave Petition (C) No.19628-19629 of 2009, in the matter of Deepak Kumar etc. Vs. State of Haryana and Others etc., prior environmental clearance has now become mandatory for mining of minor minerals irrespective of the area of mining lease;


And also in view of the Hon'ble National Green Tribunal, order dated the 13th January, 2015 in the matter regarding sand mining has directed for making a policy on environmental clearance for mining leases in cluster for minor Minerals,

The Ministry of Environment, Forest and Climate Change in consultation with State governments has prepared Guidelines on Sustainable Sand Mining detailing the provisions on environmental clearance for cluster, creation of District Environment Impact Assessment Authority and proper monitoring of minor mineral mining using information technology and information technology enabled services to track the mined out material from source to destination.

The SEIAA and SEAC will scrutinize and recommend the prior environmental clearance of mining of minor minerals on the basis of District Survey Report. This will a model and guiding document which is a compendium of available mineral resources, geographical set up, environmental and ecological set up of the district and replenishment of minerals and is based on data of various departments, published reports, journals and websites. The District Survey Report will form the basis for application for environmental clearance, preparation of reports and appraisal of projects. The Report will be updated once every five years.

The main objective of the preparation of District Survey Report (as per the Sustainable Sand Mining Guideline) is to ensure the following -

- (i) Identification of areas of aggradations or deposition where mining can be allowed; and
- (ii) Identification of areas of erosion and proximity to infrastructural structures and installations where mining should be prohibited and calculation of annual rate of replenishment and allowing time for replenishment after mining in that area.
- (iii) Identification of mineral wealth in the district.

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



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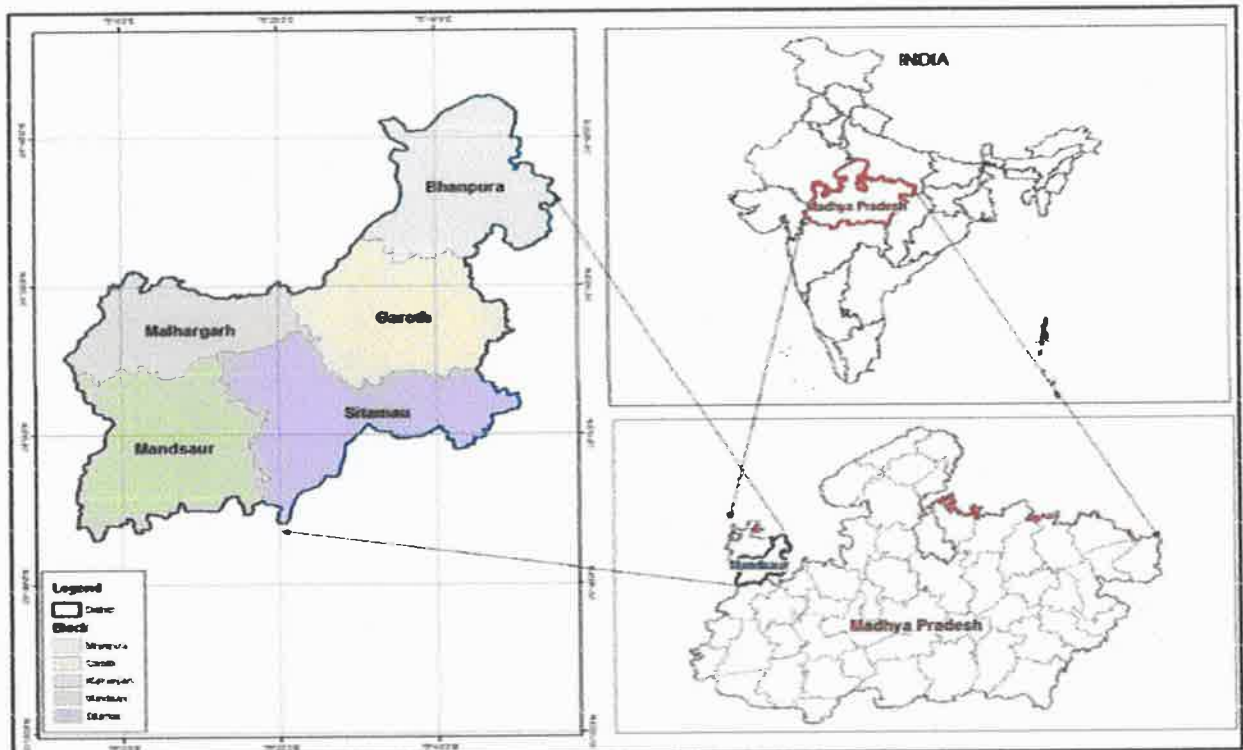
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## 1. Introduction

Mandsaur district is located on northwest part of Madhya Pradesh state. It is one of the important tribal district of Malwa regions of Madhya Pradesh. The district is bounded by Neemuch district in the north, Ratlam district in the south, Banswara district of Rajasthan state in the west and Jhalawar district of Rajasthan state in the east. The district area extends between the parallels of latitude  $23^{\circ}46'$  and  $24^{\circ}45'$  north and between the meridians of longitude  $74^{\circ}44'$  and  $75^{\circ}54'$  east, and it is falling in the Survey of India Topo Sheet No. 45P and 46M.



**LOCATION MAP OF THE DISTRICT**

In past three decades industries had rapidly grown up in the district. Mandsaur is mainly agriculture-based district and its cropping pattern is diversified. Mandsaur district is well connected by roads and rail.

  
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The total geographical area of the district is 5535 Sq.Km, with a population of 36, 51,183 according to census 2011. The details of administrative units are given in Table. The details of administrative units are also has been depicted in Fig. Administrative units of Mandsoar district, Madhya Pradesh.

**Administrative Set up of the district**

<b>Sub-Division</b>	<b>Tehsil</b>	<b>Number Of Villages</b>
<b>Mandsaur</b>	<b>Mandsaur</b>	<b>168</b>
	<b>Malhargarh</b>	<b>174</b>
	<b>Sitamau</b>	<b>173</b>
	<b>Suvasara</b>	<b>78</b>
	<b>Bhanpura</b>	<b>96</b>
	<b>Garoath</b>	<b>107</b>
	<b>Shamgarh</b>	<b>98</b>
	<b>Daloda</b>	<b>61</b>
<b>Total</b>	<b>8</b>	<b>955</b>

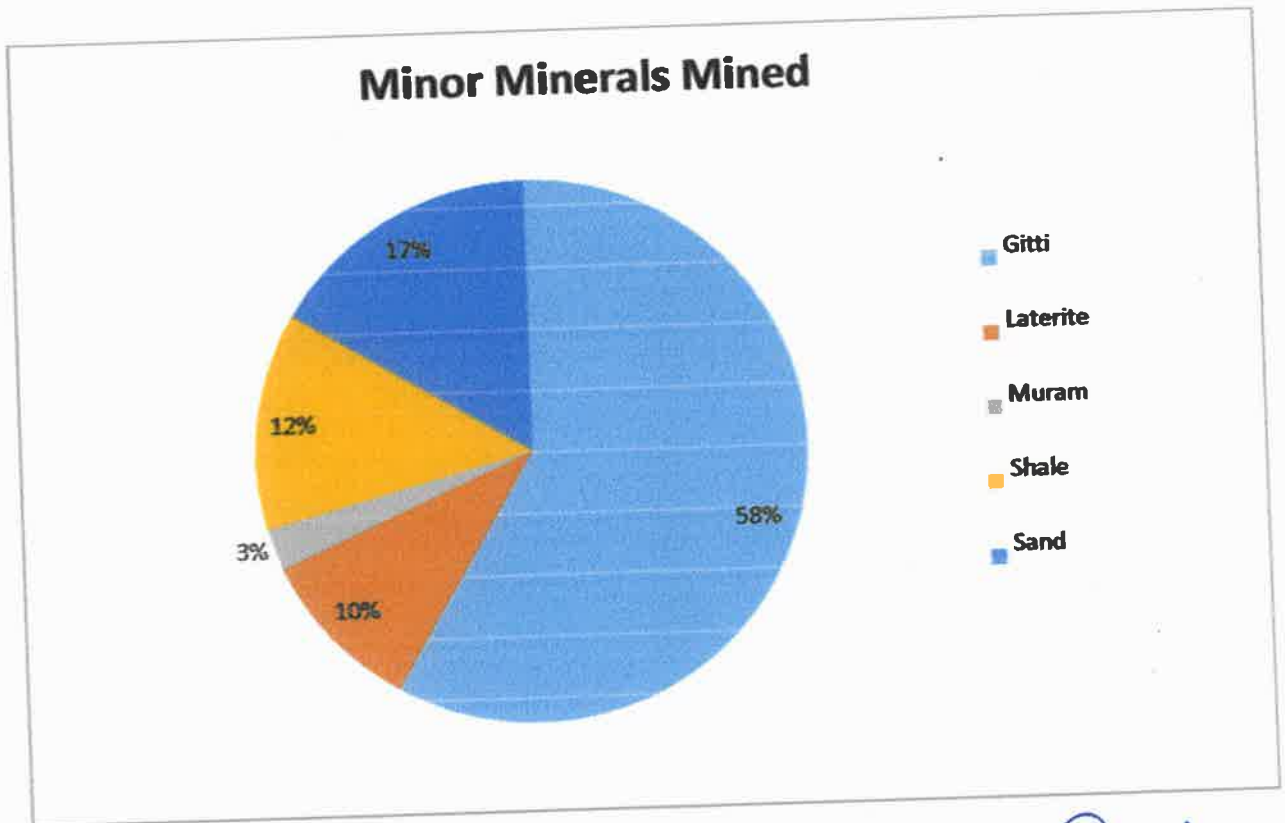
  
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## 2. Over view of Mining Activity in the District

The mineral which are economic for the district are large amounts of nodular and coralline limestone. It proves to be economic as it is important for cement industries. Cement industries are prominent industries in the district due to availability of limestone with CaO ranging from 48-52%. State is the sole producer of slate in the country. White and red colored slate (calcareous shale) found in the Mandsaur district used mainly in producing state pencil. Other mineral that occur in the State are Iron ore (hematite).

**Table 2 Minerals mined in the District**

Mineral		Area in ha
Minor	Gitti	267.055
	Laterite	47.18
	Murram	12.00
	Shale	53.505
	Sand	77.68
	<b>Total</b>	<b>457.420</b>



**Figure 3 Mineral Mining in the District**

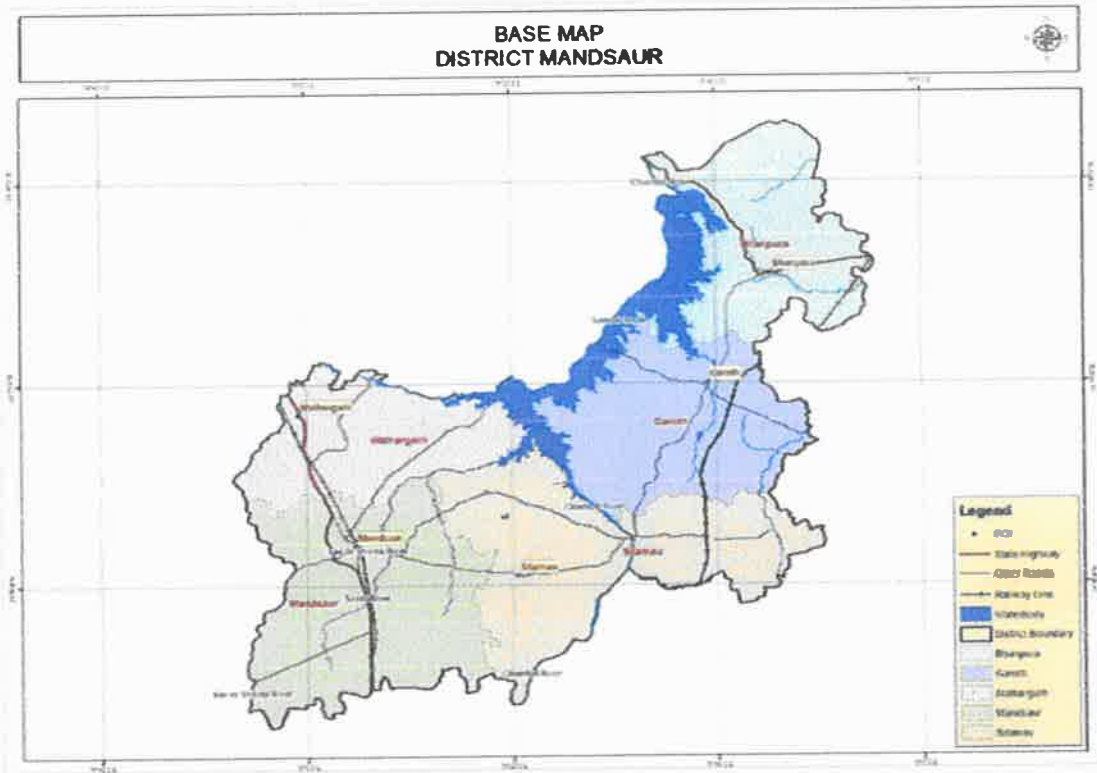


### 3. General Profile of the District


S.No	Particular	Statistics
1)	General Information	
	Geographical Area	5,535km <sup>2</sup>
	Administrative Division/Number of Tehsil	5/5
	No.of Panchayat/Villages	944
	Population (As per Census 2011)	13,39,832
	Average Annual Rainfall	657.3
2)	Geomorphology	
	Major Physiographic Units	Plain area, Upland and undulating topology, Chambal and Sivna valley.
	Major Drainage	Chambal River, Sivna River, Awan River
3)	Land use (Km <sup>3</sup> )	
	Forest Area	386.00
	Net area sown	3587.00
	Gross cropped area	3587.00
4)	Major Soil Types	Sandy and black cotton soil.
5)	Area under Principal Crops	Paddy, Wheat, Gram etc.
	Irrigation By Different Sources	No. Area Irrigated Km <sup>2</sup>
	Dug wells	106052 1519
	Tube Wells/Borewells	7606 183
	Tanks/Ponds	28 27
	Canals	8 10
	Other Sources	- 143
	Net Irrigated Area	- 1882
	Gross Irrigated Area	- 1892
6)	Number of Ground Water Monitoring Wells of CGWB (31.03.2013)	
	Number of Dug Wells	25
	No. Piezometers	24
7)	Hydrogeology	
	Major Water Bearing Formation	Sandy Alluvium, Weathered and vesicular basalt, flow contacts & fractured sandstone.
	Pre-Monsoon depth to Water level During 2012	4.4 to 25.4 m bgl
	Post Monsoon depth to water level During 2012	1.2 to 11.35 m bgl (Pre monsoon)
8)	Efforts of artificial Recharge & Rain Water Harvesting	
	Projects completed by CGWB (No. & Amount Spent)	Nil
	Projects under technical guidance of CGWB (Numbers)	Nil
10)	Ground Water Control and regulation	
	Number of Over-Exploited Blocks	2- Mandasaur & Sitamau
	Number of Semi-Critical Blocks	2- Bhanpura & Malhargarh
	Number of Safe Blocks	1- Garoth
	Number of Blocks Notified	2- Mandasaur and Sitamau block
11)	Major Ground water problem and issues	Depletion of water levels

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**TEHSIL MAP OF MANDSAUR**

  
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#### 4. Geology of the district:

The predominant geological formations are Alluvium, Deccan Trap basalts, Vindhyan-Shales, Sandstones and Limestones.

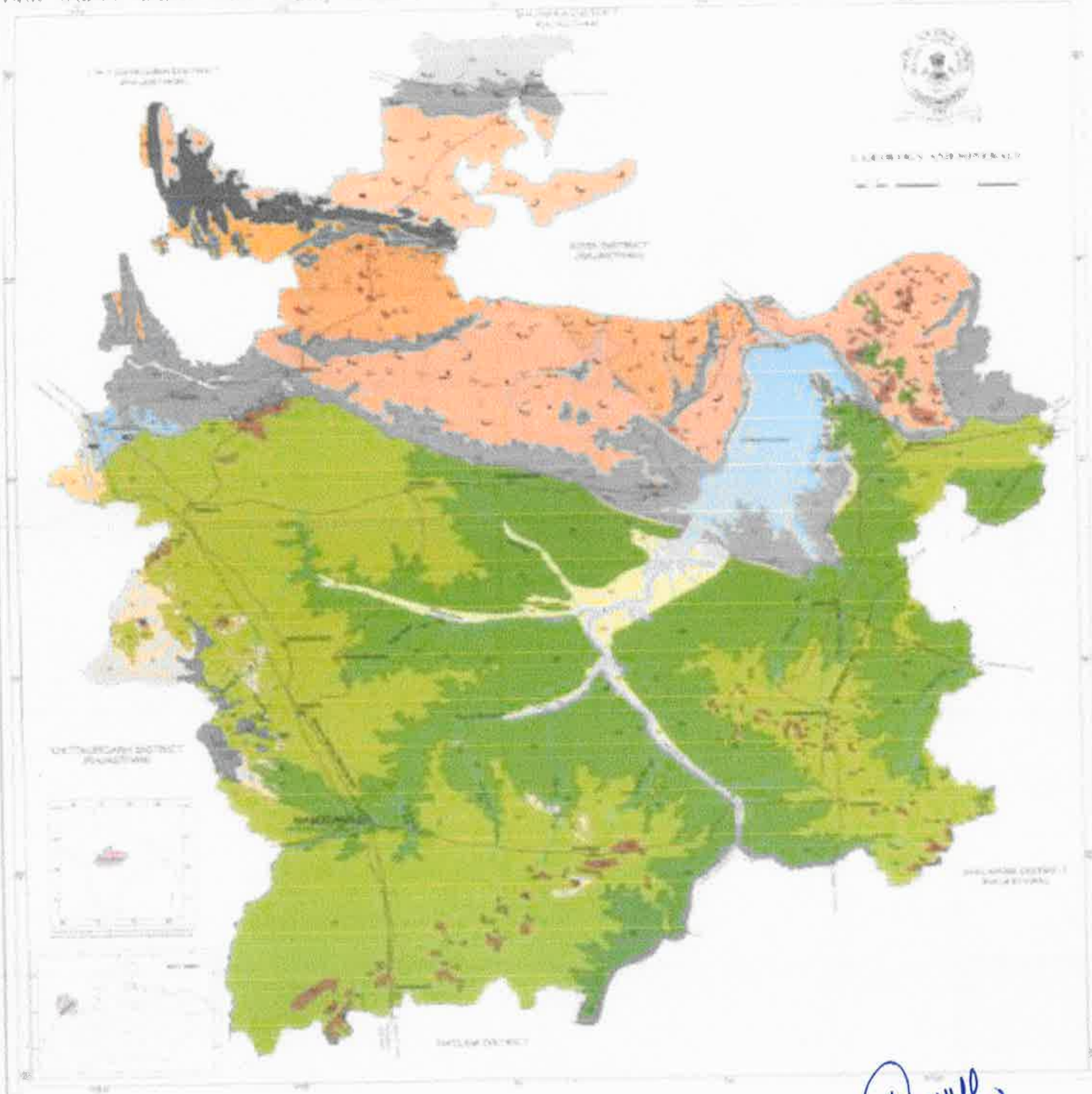
Geologically major parts of the Mandsaur district is occupied by Deccan Trap basalts except narrow patch of alluvium and sedimentary rocks of Vindhyan supergroup in isolated patches, which are forming different type of aquifer in the area. Rocks have secondary porosity, joints and fractures. Presence of vesicle in basaltic lava flow of Deccan Traps play an important role in ground water movement. The Vindhyan sandstone is porous in nature. The basalts underlie a major part of the district and generally ground water occurs under phreatic conditions in shallow weathered, jointed and fractured horizons. The deeper aquifer system appear to be under unconfined to semi-confined conditions while visualizing lava flow sequence which shows alternate units of vesicular and massive horizons. The hydrogeological regime in different tiers, deeper aquifer is more likely to be governed by the secondary porosity jointed/fractured form of massive units is creating possibilities of their acting as leaky confining bed consequently resulting into semi-confined condition for water bearing vesicular unit so occurring below it.

The alluvium deposits are restricted to narrow linear along the river courses of Chambal and Shivna. The thickness of alluvium varies from 5 to 10 meters, which is proportionately thinning away from the river line. The thickness of alluvium along the Chambal River reported about 20 meter thick. The alluvium deposits consists series of consolidated, fine to medium grained sand admix in varying proportion.



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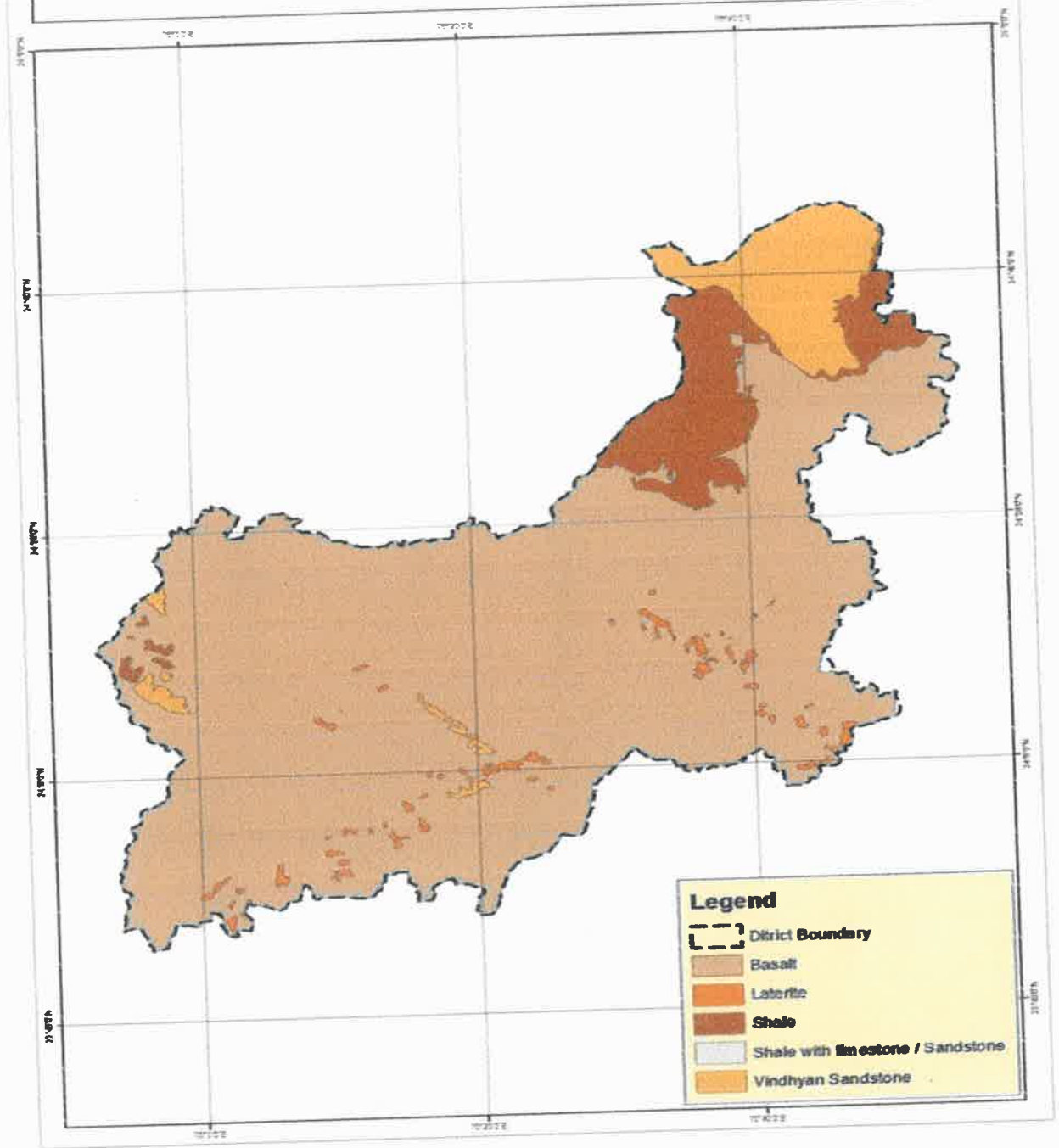
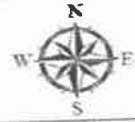


**DISTRICT RESOURCE MAP MANDSAUR**

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# GEOLOGICAL MAP DISTRICT MANDSAUR



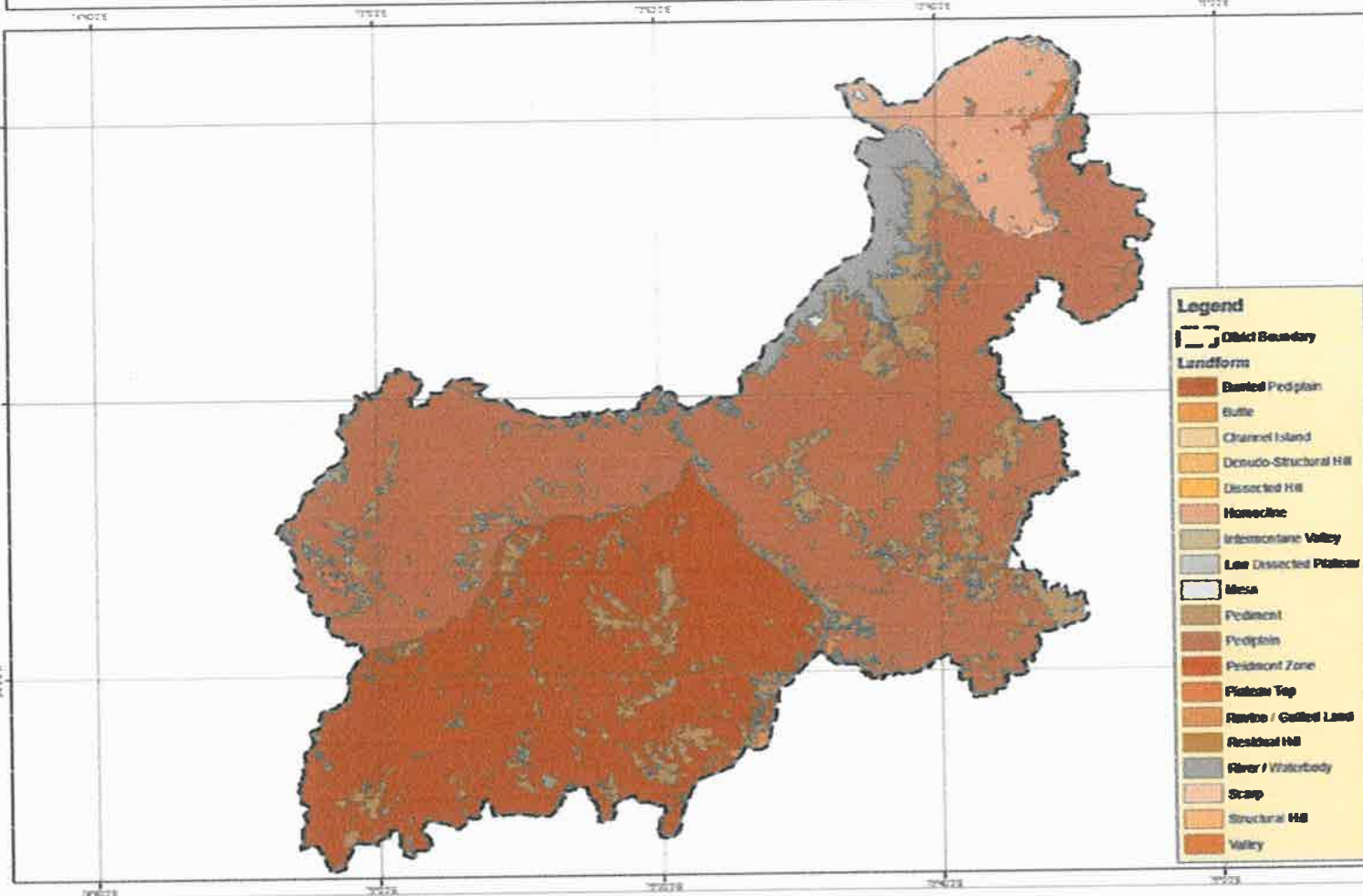
## GEOLOGICAL MAP OF THE DISTRICT

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# GEOMORPHOLOGICAL MAP DISTRICT MANDSAUR



## GEOMORPHOLOGICAL MAP OF THE DISTRICT

  
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## 5. Drainage Pattern

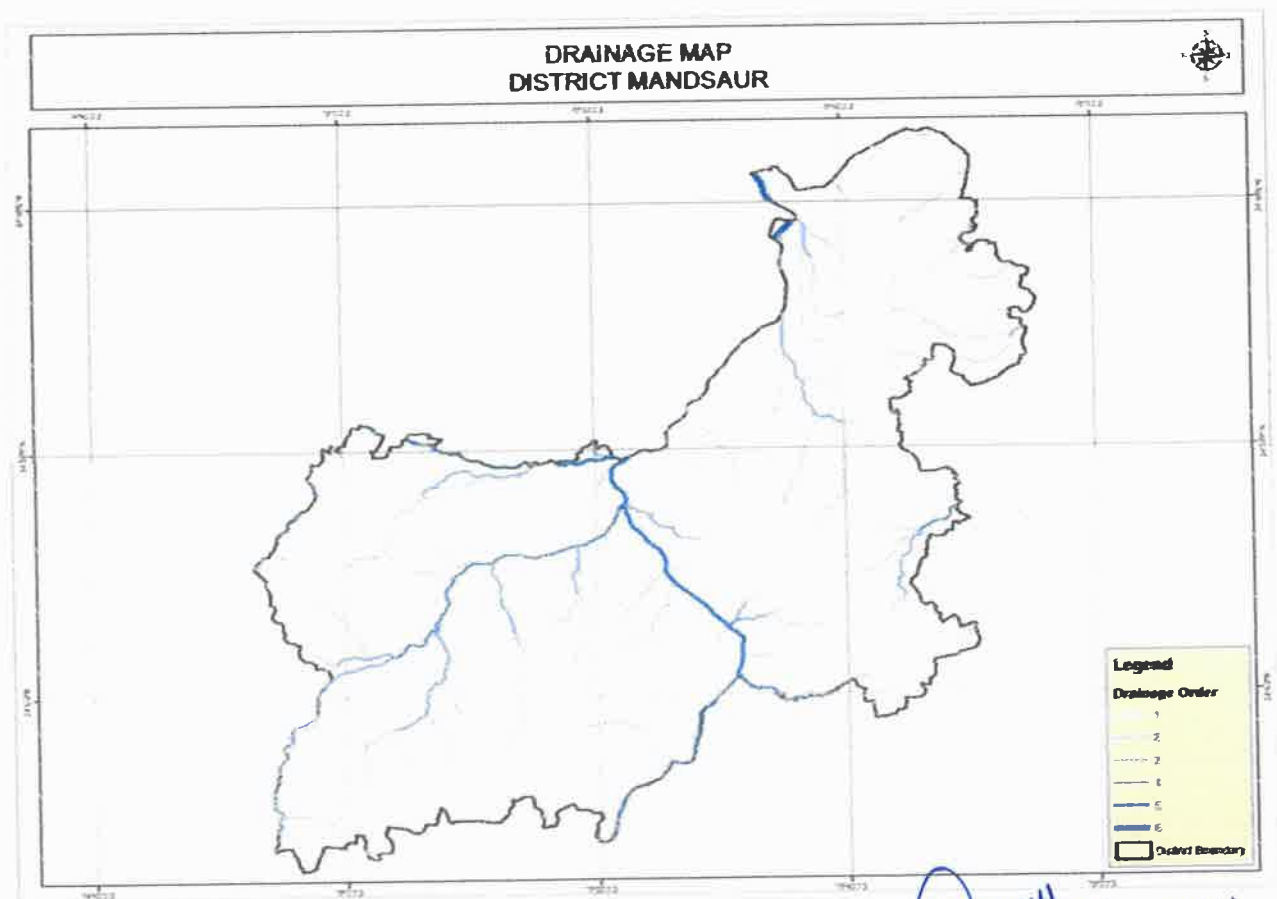
Mandsaur district falls under Ganga basin and Chambal river sub-basins. The river is broad, flat shallow valley with low gradient because the Chambal has reached the base level of erosion. Vertical erosion has reached and lateral erosion is taking place. Other tributaries of Chambal River are Retam, Shivna and Chhoti Kali Sindh.

### 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.

Mandsaur district has limited irrigation facilities. Only 34.10% of net sown area is irrigated and rest of the area is rain fed. Surface water irrigation in the district is only 1.96% of the net sown area. Groundwater is the main source in the district and about 90% of total irrigation in the district. There are a total 7,606 bore wells and 1,06,052 dug wells in the district for irrigation.

**Drainage Pattern Map of Mandsaur District**




**6. Land Utilization Pattern in the district: Forest, Agriculture ,Horticulture, Mining etc. (Area in Hect.)**

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 a change 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 refer stoman's activities.

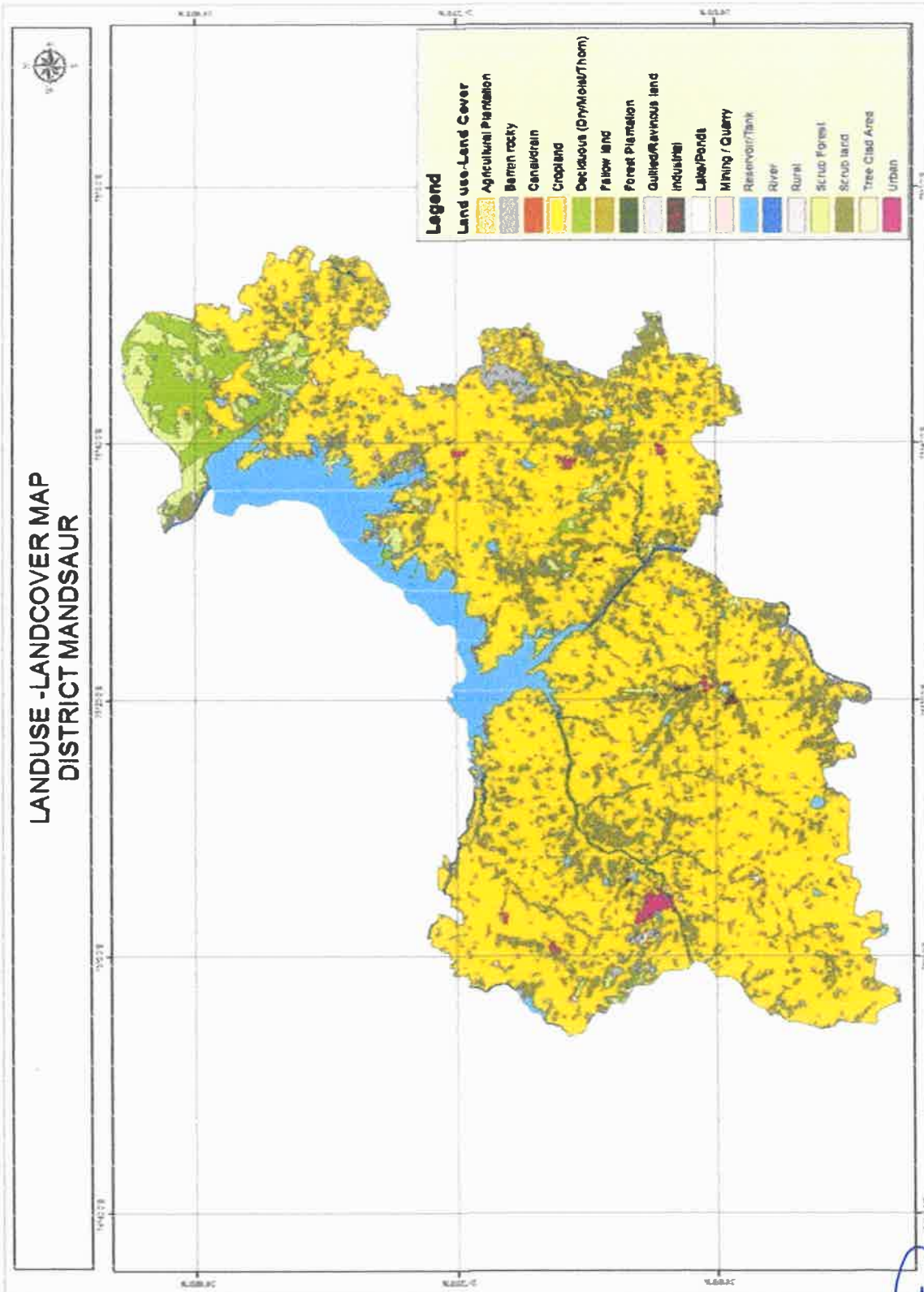
**LAND USE PATTERN OF THE DISTRICT**

Sr. No.	Class	Area in Ha.	Percentage of coverage
1	Agricultural Plantation	6758.04	1.243
2	Aquaculture	11.70	0.002
3	Barrenrocky	5249.41	0.965
4	Cropland	387260.77	71.203
5	Deciduous(Dry/Moist/Thorn)	17149.88	3.153
6	Fallowland	2351.37	0.432
7	Gullied/Ravinous land	1384.15	0.254
8	Industrial	528.68	0.097
9	Lake/Ponds	1758.86	0.323
10	Mining /Quarry	921.52	0.169
11	Reservoir/Tank	42638.60	7.840
12	River	2057.07	0.378
13	Rural	8359.09	1.537
14	ScrubForest	20698.42	3.806
15	Scrubland	44183.37	8.124
16	Tree Clad Area	255.88	0.047
17	Urban	2315.06	0.426
	<b>Total</b>	<b>543881.87</b>	<b>100.000</b>

  
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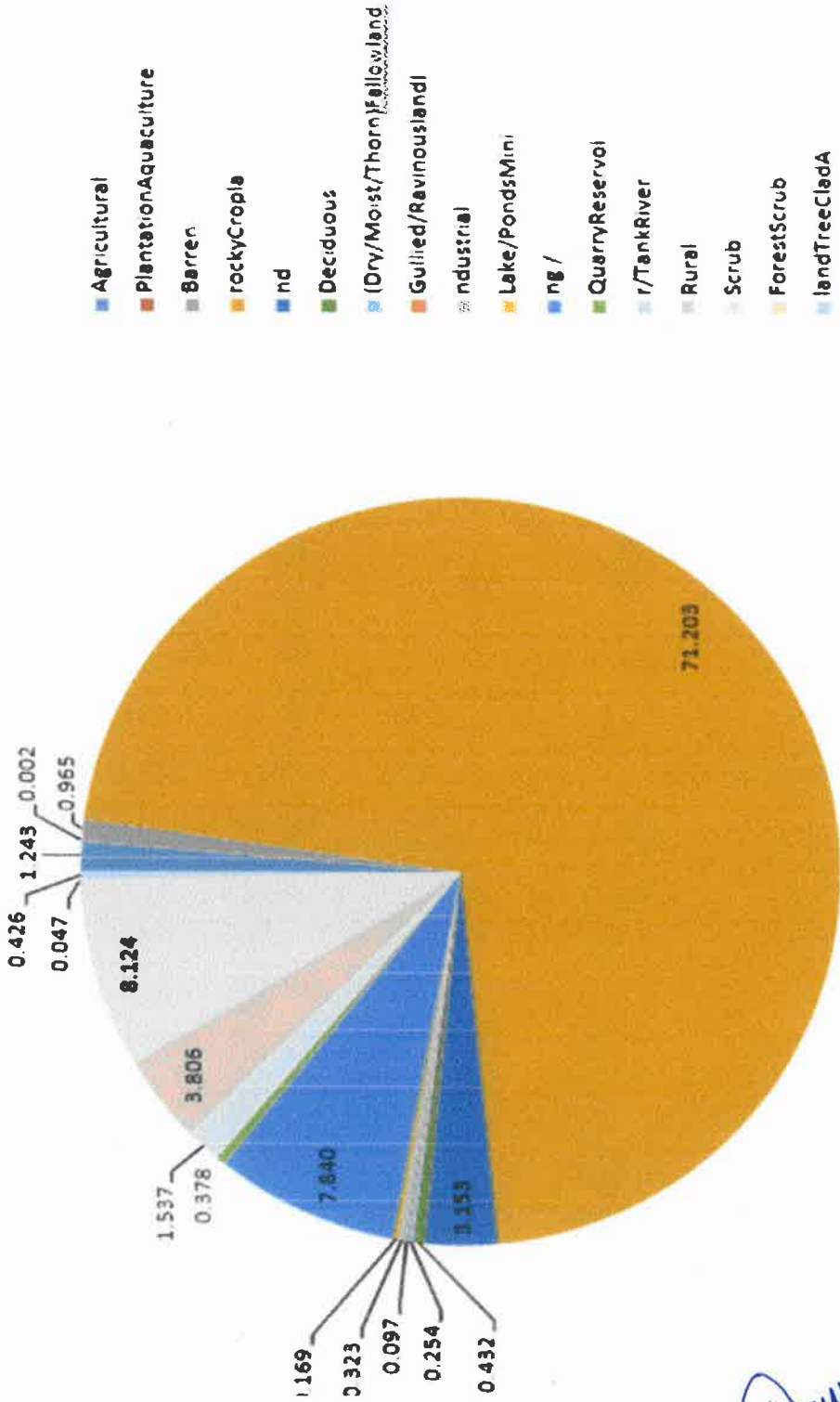
**LANDUSE -LANDCOVER MAP  
DISTRICT MANDSAUR**




**LANDUSE AND LAND COVER MAP OF THE DISTRICT**

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# LULC Breakup of District



## LAND USE AND LAND COVER BREAKUP OF THE DISTRICT

  
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## **7. Surface Water and Ground Water scenario of the district**

### **Ground Water**

Ground Water is found beneath the earth's surface and is an important source of water in most of the districts in the State. Ground Water is with drawn for Agriculture, Municipal and industrial use. The depth at which the ground water occurs is called Ground water Table. Variation of ground water table in an area is an important component of hydrological cycle because it is a physical reflection of aquifer systems. As the change in ground water level is directly related to ground water balance and its continuous records provide direct information of subsurface geo-environmental changes due to with drawal of ground water.

Analyses of Ground water level data of pre-monsoon period indicate that there is rising as well as declining trend in water level in the district. Declining trend in water level is in the range of 0.005 to 0.69 m/year where as rising trend is in the range of 0.08 to 0.79m/year. About 48% wells shows declining trend.

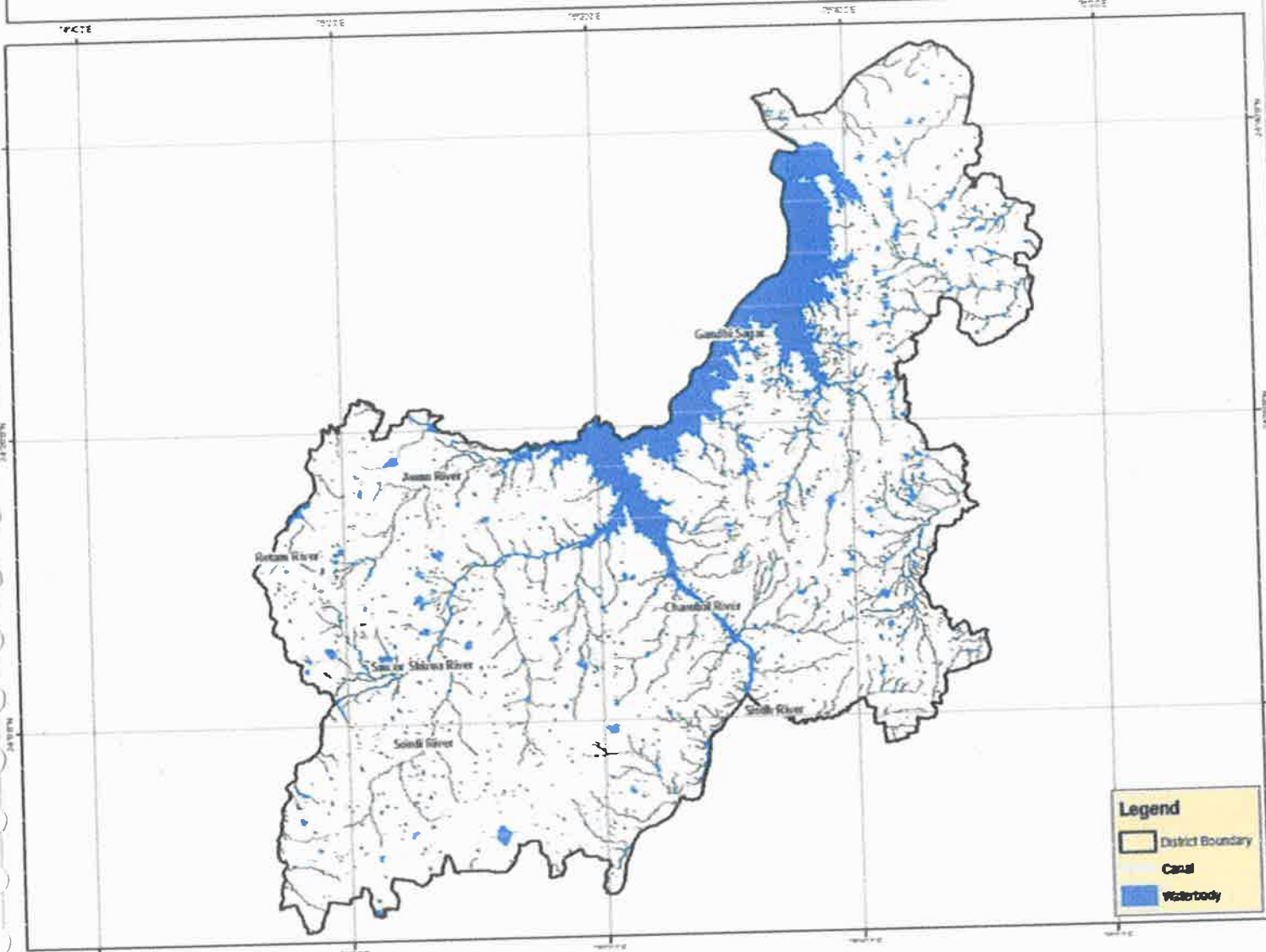
### **Surface Water**

Mandsaur district falls under Ganga basin and Chambal river sub-basins. The river is broad, flat shallow valley with low gradient because the Chambal has reached the base level of erosion. Vertical erosion has reached and lateral erosion is taking place. Other tributaries of Chambal River are Retam, Shivna and Chhoti Kali Sindh.


  
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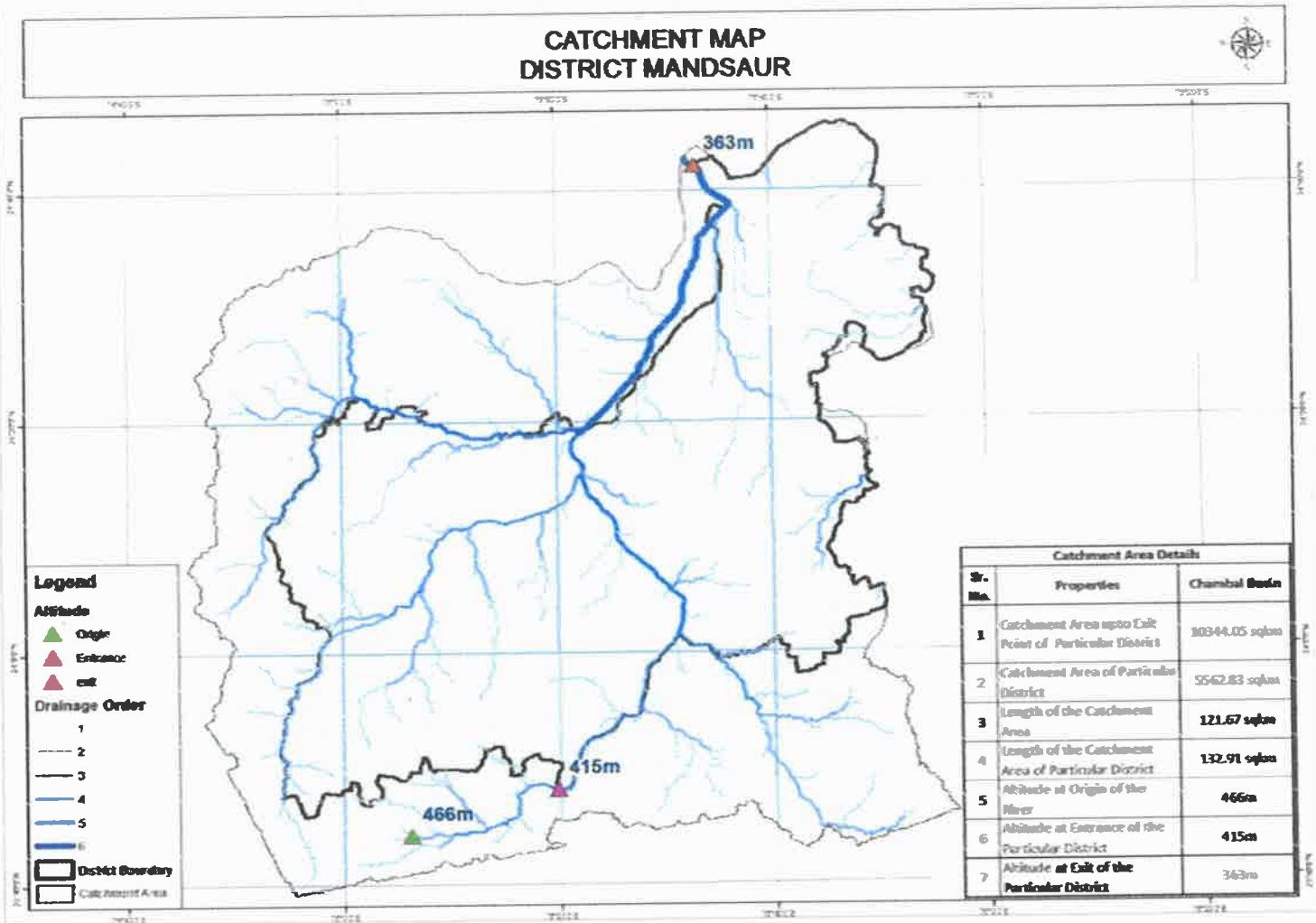
# WATER RESOURCES MAP DISTRICT MANDSAUR




## WATER RESOURCE MAP OF THE DISTRICT

  
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## CATCHMENT MAP DISTRICT MANDSAUR



**CATCHMENT MAP OF THE DISTRICT**

  
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### DETAILS OF THE CATCHMENT AREA

Sr. No.	Properties	ChambalBasin
1	Catchment Area upto Exit Point of Particular District	10344.05sqkm
2	Catchment Area of Particular District	5562.83sqkm
3	Length of the Catchment Area	121.67sqkm
4	Length of the Catchment Area of Particular District	132.91sqkm
5	Altitude at Origin of the River	466m
6	Altitude at Entrance of the Particular District	415m
7	Altitude at Exit of the Particular District	363m

#### **Hydrogeology:**

Geologically major parts of the Mandsoor district is occupied by Deccan Trap basalts except narrow patch of alluvium and sedimentary rocks of Vindhyan super group in isolated patches, which are forming different type of aquifer in the area. Occurrence and movement of groundwater in hard rock is mainly controlled by secondary porosity through joints and fractures. Presences of vesicle in basaltic lava flow of Deccan Traps play an important role in groundwater movement. Groundwater in general occurs under unconfined to semi-confined conditions. The general hydrogeological conditions of the district are depicted in figure -2 and formation wise settings are discussed below.

#### **Vindhyan:**

The Vindhyan sandstone has primary porosity, but this depends on the degree of compaction. Ground water availability in sandstone is controlled by secondary porosity generated by weathering, jointing and fracturing. Ground water in sandstone occurs under confined conditions. Yield of Vindhyan sandstone formation is generally poor to moderate and less than 2 liters per second.

#### **Basalts:**

The basalts underlie a major part of the district and generally groundwater occurs under phreatic conditions in shallow weathered, jointed and fractured horizons. Basalts does not exhibits uniform occurrence of groundwater both vertically and latterly. Physiographic location, thickness of weathered mantle, degree of jointing, fracture or shear zones, characteristics of vesicular horizons and their inter connection are important factor, which play a deciding role in the yield capacity of open wells tapping shallow aquifers. The deeper aquifer system appear to be under unconfined to



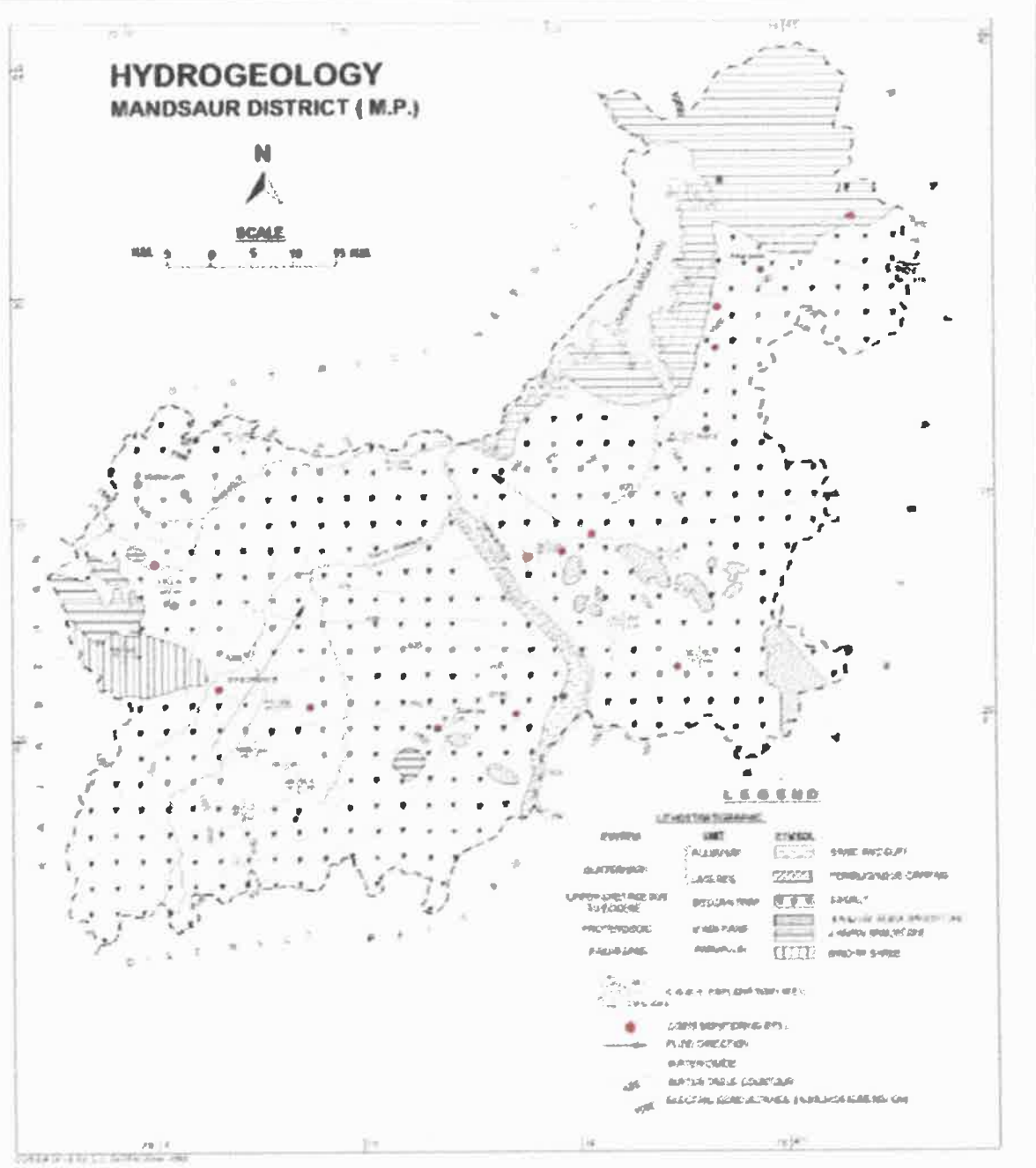
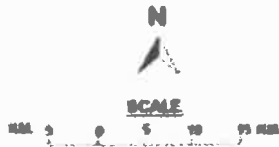
semi-confined conditions while visualizing lava flow sequence which shows alternate units of vesicular and massive horizons. The hydrogeological regime in different tiers, deeper aquifer is more likely to be governed by the secondary porosity jointed/fractured form of massive units is creating possibilities of their acting as leaky confining bed consequently resulting into semi-confined condition for water bearing vesicular units occurring below it. Yield of basalts in this is reported low to moderates (1 to 5 lps).

**Alluvium:**

The alluvium deposits are restricted to narrow linear along the river courses of Chambal and Shivna. The thickness of alluvium varies from 5 to 10 meters, which is proportionately thinning away from the river line. The thickness of alluvium along the Chambal River reported about 20 meter thick. The alluvium deposits consists series of consolidated, fine to medium grained sand admix in varying proportion and yield varies from 1 to 8 liters per second.

  
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# HYDROGEOLOGY MANDSAUR DISTRICT (M.P.)



## LEGEND

LITHOLOGY			
QUARTZITE	UNIT	CONGLOMERATE	SHALE
SLATE	ALLUVIUM	GRAVEL	PORECEMENT CONCRETE
UPPER AND MIDDLE JURASSIC	LIGNITE	BRICK CLAY	SAND
PROTEROZOIC	GRAVEL	GRAVEL WITH SAND	SAND WITH GRAVEL
PALEOZOIC	GRAVEL	GRAVEL	GRAVEL WITH SAND

	BOREWELL WITH CASING
	BOREWELL WITHOUT CASING
	PIEZOMETER
	WATERCOURSE
	RAILWAY LINE
	ROAD

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#### **8. Rainfall of the district & Climatic Condition:**

The climate of the Mandsaur district is semi-tropical characterized by hot summer and well-distributed rainfall during the southwest monsoon. The year can be divided in four seasons. The winter commences from December and last up to February. January is the coldest month with temperature falling 9.80 C. The period from March to first week of June is the summer season. May is the hottest month when the temperature may go up to 39.8 0 C. The monsoon starts from middle of June to the first week of October. October and November constitute the post monsoon or retreating monsoon period.

During the southwest monsoon season the relative humidity generally exceeds 87 % (August month). The driest part of the year is the summer season, when relative humidity is less 26%. April is the driest month of the year.

The wind velocity is higher during the pre-monsoon period as compared to post monsoon period. The maximum wind velocity 16.7 km/hr observed during the month of June and minimum 4.7 km/hr during the month of November. The average normal annual wind velocity of Mandsaur district is 9.2 km/hr.

The average annual rainfall of Mandsaur district is 657.3mm. Mandsaur district receive maximum rainfall during southwest monsoon period i.e. June to November. About 90.5% of annual rainfall is received during monsoon season. Only 9.5% of annual rainfall takes place between Octobers to May period. The surplus water for groundwater recharge is available only during the southwest monsoon period.


  
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# PART-1

# MINOR MINERAL

# GITTI


  
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1. Details of the Gitti mining leases in the district  
Table:

Sl. No.	Name of the Miners	Name of the Lessee	Address & Contact No. of Lessee	Mining lease Grant Order No. & date	Name of Village	Khasra No.	Area of Mining lease (ha)	Period of Mining lease (Initial)		Period of Mining lease (1st/2nd renewal)		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)	Plantation Number of Plant in mines
								From	To	From	To							
1	Gitti	Shri Niraj Kumar S/o Abhay Kumar Lasdod	126, Jawahar Nagar Neermuch	965 No. 21/03/2017	Paheda	527/2	2.000	08/04/2017	07/04/2027	09/04/2007	08/04/2017	10/06/2007	Non-Working	Non-Captive	Yes, 01 Date 10/05/2016	24° 16'41.29"N 75°01'23.66"E 24° 16'42.94"N 75°01'27.86"E 24° 16'36.17"N 75°01'24.26"E 24° 16'36.64"N 75°01'27.98"E	Opencast	15 to 20
2	Gitti	Mrs. Sunita W/o Suresh Bagga	Dashreth Nagar Mandseur	963 No. 27/03/2017	Thadod	78	1.000	24/04/2017	23/04/2027	25/04/2007	24/04/2017	04/07/2007	Working	Non-Captive	Yes, 05 Date 04/03/2017	24° 09'13.75"N 75°00'54.21"E 24° 09'13.64"N 75°00'58.13"E 24° 09'10.36"N 75°00'54.25"E 24° 09'10.30"N 75°00'57.83"E	Opencast	12 to 15

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3	Gitti	Mrs. Sultana W/o Abdul Satter Sheikh	Gulmohar Colony Mandseur	1280 ft. 16/08/2016	Dodyam eena	131	2.000	19/04/2017	18/04/2027	20/04/2007	19/04/2017	06/09/2007	Working	Non-Captive	Yes, 41 Date 05/09/2017	24° 08'52.36"N 75°06'53.52"E 24° 08'58.64"N 75°06'53.51"E 24° 08'58.64"N 75°06'57.18"E 24° 08'52.35"N 75°06'57.17"E	Opencast	18 to 20
4	Gitti	Shri Mohuddin S/o Maahruddin	Maderpur Mandseur	2524 ft. 19/12/2017	Thadod	78/1	1.500	10/01/2018	09/01/2028	09/01/2008	10/01/2018	05/05/2008	Working	Non-Captive	Yes, 10712 Date 23/01/2016	24° 09'13.51"N 75°00'54.79"E 24° 09'15.10"N 75°00'58.94"E 24° 09'14.96"N 75°01'00.45"E 24° 09'12.78"N 75°01'01.69"E 24° 09'11.23"N 75°00'58.34"E 24° 09'09.45"N 75°00'57.26"E 24° 09'12.26"N 75°00'56.94"E	Opencast	10 to 15
5	Gitti	Shri Harish Kumar Bansal Soni	Janta colony Mandseur	620 ft. 05/09/2018	Pipliya Panth	85/438	1.000	05/04/2018	04/04/2023	06/04/2013	05/04/2018	10/10/2013	Working	Non-Captive	Yes, 30 Date 24/09/2018	24°11'53.00"N 74°59'38.29"E 24°11'46.80"N 74°59'58.49"E 24°11'51.74"N 74°59'34.57"E	Opencast	15 to 18
6	Gitti	Shri Bairam S/o Ambalal Patidar	Deloda Choupati Daloda	2369 ft. 21/09/2017	khokhra	464	1.092	18/03/2018	17/03/2023	19/03/2013	18/03/2018	01/08/2013	Working	Non-Captive	Yes, 18 Date 27/07/2018	24° 11'35.52"N 74°59'27.76"E 24° 11'35.37"N 74°59'25.15"E 24° 11'35.92"N 74°59'23.11"E 24° 11'36.08"N 74°59'23.36"E 24° 11'40.65"N 74°59'22.37"E 24° 11'41.68"N 74°59'23.62"E 24° 11'41.90"N 74°59'23.47"E 24° 11'40.59"N 74°59'26.53"E 24° 11'37.97"N	Opencast	17 to 20

  
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9	Gitti	Shri Swaroop Singh S/o Bheru Singh	Pipliya Mandi Tehsil Malhargarh	854 Sq. Ft. 27/09/2017	Pipliya Panth	85/2	2,000	02/07/2017	01/07/2027	Na	Na	07/12/2017	Working	Non-Captive	Yes, 13 Date 04/09/2017	24° 11'51.19"N 74° 59'39.78"E 24° 11'51.13"N 74° 59'43.63"E 24° 11'45.00"N 74° 59'43.72"E 24° 11'45.03"N 74° 59'40.10"E	Opencast	18 to 20
10	Gitti	Shakti Interprises	Janta colony Mandseur	927 Sq. Ft. 25/09/2017	Mundri	463	1,000	06/09/2017	05/03/2027	05/03/2007	06/03/2017	06/07/2007	Working	Non-Captive	Yes, 7 Date 04/09/2017	24° 07'56.11"N 75° 06'35.42"E 24° 07'55.92"N 75° 06'37.71"E 24° 07'50.63"N 75° 06'38.23"E 24° 07'50.75"N 75° 06'35.60"E 24° 07'52.34"N 75° 06'35.90"E	Opencast	10 to 15
11	Gitti	Mrs. Jyoti W/o Mukesh Kala	Janta colony Mandseur	1418 Sq. Ft. 18/09/2017	Dodiyam eene	131	2,000	26/10/2017	25/10/2027	Na	Na	22/03/2017	Working	Non-Captive	Yes, 15 Date 10/05/2016	24° 8'58.79"N 75° 6'56.70"E 24° 8'59.10"N 75° 7'9.77"E 24° 8'55.79"N 75° 7'9.92"E 24° 8'55.61"N 75° 6'56.76"E	Opencast	20 to 22
12	Gitti	Shri Nitin S/o Kiranmal Agrawal	Ramtekri Mandseur	1537 Sq. Ft. 20/09/2015	Paheda	527/2	1,000	21/09/2015	30/09/2025	22/09/2005	21/09/2015	11/02/2006	Non-Working	Non-Captive	Yes, 115 Date 30/05/2016	24° 16'39.50"N 75° 01'26.11"E 24° 16'40.49"N 75° 01'29.64"E 24° 16'43.57"N 75° 01'28.62"E 24° 16'42.37"N 75° 01'25.10"E	Opencast	10 to 12
	Gitti	Shri Fakirchand S/o S. Laxminaray an	Antrimata Tehsil Mandseur Dist. Neemuch	2505 Sq. Ft. 31/12/2011	Buda	1/3,	2,000	20/01/2012	19/01/2022	Na	Na	17/05/2012	Non-Working	Non-Captive	Yes, 1122 Date 11/02/2016	24° 16'26.34"N 75° 08'01.21"E 24° 16'26.35"N 75° 08'07.59"E 24° 16'32.76"N 75° 08'07.05"E 24° 16'31.70"N 75° 08'05.22"E	Opencast	10 to 12

  
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14	Gitti	Shri Surendra S/o Rooplal kumawat	Janta colony Mandseur	435 ft. 29/02/2012	Dodivam eena	3/1,	2,000	26/03/2012	25/09/2022	Na	Na	21/09/2012	Non-Working	Non-Captive	Yes, 43 Date 05/09/2017	24° 09'09.78"N 75°06'52.27"E 24° 09'10.16"N 75°06'59.75"E 24° 09'06.90"N 75°06'52.47"E 24° 09'07.27"N 75°07'00.01"E	Opencast	15 to 18
15	Gitti	Mrs. Seema W/o Mukesh Agrawal	Shikshak Colony Pipilyama ndi Malhargh	427 ft. 01/02/2012	khokhra	410	2,000	14/12/2012	13/12/2022	Na	Na	14/05/2013	Working	Non-Captive	Yes, 168 Date 02/01/2016	24° 12'01.67"N 74°59'23.92"E 24° 12'01.60"N 74°59'28.59"E 24° 11'58.06"N 74°59'25.32"E 24° 11'57.99"N 74°59'28.45"E	Opencast	12 to 15
16	Gitti	Shri Suresh S/o Harikshan Bagga	Nal abadi Mandseur	2579 ft. 16/10/2017	Palevna	750	1,000	18/04/2018	17/04/2023	19/04/2013	18/04/2018	11/08/2013	Working	Non-Captive	Yes, 137 Date 30/05/2016	24° 07'57.28"N 75°05'50.69"E 24° 07'59.89"N 75°05'50.21"E 24° 08'00.36"N 75°05'54.33"E 24° 07'57.78"N 75°05'54.93"E	Opencast	10 to 15
17	Gitti	Shri Rakesh S/o Surejmal Patidar	Tekrawad Tehsil Malhargh	458 ft. 04/03/2014	Sokdi	12	1,870	21/11/2014	20/11/2024	Na	Na	16/04/2015	Working	Non-Captive	Yes, 4668 Date 12/08/2015	24° 10'17.43"N 74°59'06.51"E 24° 10'18.86"N 74°59'10.12"E 24° 10'24.98"N 74°59'08.06"E 24° 10'22.28"N 74°59'03.54"E	Opencast	15 to 17
18	Gitti	Shri Vipin S/o Kiranmal agrawal	Sudama Nagar Mandseur	969 ft. 27/09/2017	Palevna	750	2,000	19/09/2017	18/09/2022	20/09/2012	19/09/2017	21/03/2013	Working	Non-Captive	Yes, 91 Date 30/12/2017	24° 08'03.49"N 75°05'48.34"E 24° 08'04.82"N 75°05'51.84"E 24° 07'57.80"N 75°05'51.43"E 24° 07'59.42"N 75°05'54.57"E	Opencast	15 to 16

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19	Gitti	Shri Jitendra S/o Shivanarayan Patidar	Guradiya dede Tehsil Mandasaur	2164 Sq. Ft. 31/12/2019	khokhra	409/4, 409/5, 409/6	2,000	13/02/2014	12/02/2024	Na	Na	16/09/2015	Working	Non-Captive	Yes, 2893 Date 02/07/2015	24°12'17.73"N 74°59'20.49"E 24°12'18.05"N 74°59'25.27"E 24°12'1.42"N 74°59'25.26"E 24°12'1.94"N 74°59'22.68"E 24°12'5.52"N 74°59'21.94"E 24°12'6.91"N 74°59'21.02"E	Opencast	15 to 17
20	Gitti	Shri Tapas S/o Rajendra Kumawat	Siddharth Vihar Ramtekri Mandasaur	16148 Sq. Ft. 01/09/2014	Dodiya meena	4	4,000	10/10/2014	09/10/2024	Na	Na	27/10/2015	Working	Non-Captive	Yes, 5765 Date 24/09/2015	24°09'2.63"N 75°07'16.88"E 24°09'3.58"N 75°07'7.39"E 24°09'8.84"N 75°07'8.49"E 24°09'6.95"N 75°07'17.65"E	Opencast	18 to 20
21	Gitti	Shri Rimpal Singh S/o Sukhial Patidar	Mundedi Tehsil Malherga	2060 Sq. Ft. 18/12/2013	Pipliya Panth	5/1,	2,000	03/07/2014	02/07/2024	Na	Na	21/10/2015	Working	Non-Captive	Yes, 4668 Date 12/08/2015	24°12'2.47"N 74°59'42.04"E 24°12'2.07"N 74°59'47.10"E 24°11'57.56"N 74°59'46.63"E 24°11'58.02"N 74°59'41.49"E	Opencast	15 to 16
22	Gitti	Shri Ashok Kumar S/o Fakirchand Saini	Dayaman dir parisar mandasaur	2662 Sq. Ft. 15/12/2014	Pipliya Panth	5/2/Min-2	2,000	29/12/2014	28/12/2024	Na	Na	25/02/2016	Working	Non-Captive	Yes, 10327 Date 05/01/2016	24°12'03.17"N 74°59'23.11"E 24°12'02.50"N 74°59'39.11"E 24°11'56.84"N 74°59'38.68"E 24°11'57.52"N 74°59'33.02"E	Opencast	17 to 18

  
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23	Gitti	Mrs. Jyoti W/o Mukesh Kala	Janta colony Mandsaur	1992 ft. 25/09/20 14	Dodiyam eena	131	3,000	20/10/2 014	19/10/ 2024	Na	Na	19/04/2 015	Working	Non- Captive	Yes, 9734 Date 23/12/2 015	24° 8'55.44"N 75° 6'56.07"E 24° 8'55.80"N 75° 7'5.43"E 24° 8'54.79"N 75° 7'5.63"E 24° 8'54.20"N 75° 7'4.54"E 24° 8'51.68"N 75° 6'59.89"E 24° 8'51.43"N 75° 6'52.92"E 24° 8'54.16"N 75° 6'52.74"E 24° 8'54.21"N 75° 6'56.12"E	Opencast	15 to 18
24	Gitti	Shri Vijay S/o Rajaram Sharma	Diganvma Il Tehsil Mandsaur	971 ft. 27/03/20 17	Diganv all	289/34	2,000	10/06/2 017	09/06/ 2027	11/06/ 2007	10/06/ 2017	19/10/2 007	Working	Non- Captive	Yes, 133 Date 30/05/2 016	24° 09'06.71"N 75° 10'46.68"E 24° 09'19.62"N 75° 10'50.24"E 24° 09'13.46"N 75° 10'45.56"E 24° 09'12.55"N 75° 10'39.90"E	Opencast	10 to 15
25	Gitti	Mrs. Vajekunwa r D/o Ratanlal Patidar	Sitamau Tehsil Sitamau	556 ft. 18/04/20 17	Bilantri	471	2,000	21/06/2 017	20/06/ 2027	22/06/ 2007	21/06/ 2017	16/11/2 007	Working	Non- Captive	Yes, 21 Date 04/09/2 017	24° 01'22.35"N 75° 17'31.60"E 24° 01'22.26"N 75° 17'26.40"E 24° 01'26.79"N 75° 17'26.63"E 24° 01'26.86"N 75° 17'31.62"E	Opencast	18 to 20
26	Gitti	Shri Santosh kumar S/o Nagulal Jain	Aftalpur Tehsil Mandsaur	229 ft. 29/01/20 18	Arniya gurlar	36	2,000	31/08/2 018	30/08/ 2028	01/09/ 2008	31/08/ 2018	10/02/2 008	Working	Non- Captive	Yes, 68 Date 24/09/2 018	23° 51'41.00"N 75° 16'28.01"E 23° 51'42.09"N 75° 16'34.09"E 23° 51'35.08"N 75° 16'37.08"E 23° 51'35.02"N 75° 16'31.03"E	Opencast	10 to 15


27	Gitti	Shri Karandeep S/o Sushil Garg	91 silawat Gall Mandiur	1261 ft. 14/09/2011	Bilantri	375	1.000	07/10/2021	06/10/2021	Na	Na	05/01/2012	Non-Working	Non-Captive	Yes, 89 Date 30/05/2016	24° 01'50.03"N 75° 17'36.04"E 24° 01'60.09"N 75° 17'41.01"E 24° 01'58.04"N 75° 17'40.07"E 24° 01'48.04"N 75° 17'42.02"E	Opencast	15 to 18
28	Gitti	Shri Devlali S/o Bherulal patidar	Bhatuni Tehsil shemgarh	26 ft. 11/01/2016	Hatal	617	2.000	19/02/2016	18/02/2026	Na	Na	21/06/2016	Working	Non-Captive	Yes, 17 Date 10/05/2016	24° 15'29.50"N 75° 29'52.29"E 24° 15'29.37"N 75° 29'48.76"E 24° 15'35.95"N 75° 29'46.80"E 24° 15'36.15"N 75° 29'51.65"E	Opencast	10 to 15
29	Gitti	Shri Ganpat singh S/o Uday singh	Khajuri Manda Tehsil Sitameu	1291 ft. 16/08/2016	Risthal	1068/1	2.000	09/10/2016	08/10/2026	Na	Na	12/04/2017	Working	Non-Captive	Yes, 25 Date 04/03/2017	24° 07'17.29"N 75° 20'18.79"E 24° 07'21.22"N 75° 20'17.19"E 24° 07'22.95"N 75° 20'22.40"E 24° 07'18.88"N 75° 20'23.78"E	Opencast	18 to 20
30	Gitti	Shri Radheshyam S/o Baluram Joshi	Bademat h Gall Sitamau Tehsil Sitamau	2372 ft. 16/11/2021	Sedrama te	686/2	1.000	18/10/2021	17/10/2031	19/10/2011	18/10/2021	08/03/2012	Working	Non-Captive	Yes, 27 Date 10/05/2016	23° 55'39.99"N 75° 29'3.57"E 23° 55'39.33"N 75° 29'1.65"E 23° 55'43.83"N 75° 22'59.50"E 23° 55'44.59"N 75° 29'2.06"E	Opencast	15 to 16
		Mrs. Anita W/o Nirmal Farkya	Vijay Cold Center Sitamau Tehsil Sitamau	2614 ft. 10/12/2014	Sitamau	984/Min-1, 984/Min-2	2.000	15/01/2015	14/01/2025	Na	Na	19/10/2015	Working	Non-Captive	Yes, 5751 Date 24/09/2015	24° 00'38.30"N 75° 19'15.50"E 24° 00'37.59"N 75° 19'25.20"E 24° 00'34.94"N 75° 19'25.07"E 24° 00'34.19"N 75° 19'23.74"E 24° 00'34.40"N 75° 19'21.85"E 24° 00'36.87"N 75° 19'17.05"E	Opencast	15 to 20

32	Gitti	Shri Sendeep S/o Abhay Kumar Jain	S/A Dashahre Maldan Ujjain	875 ft. 28/05/2019	Manpura	118/2	1.000	21/08/2014	20/08/2024	Na	09/12/2014	Working	Non-Captive	Yes, 8286 Date 28/11/2015	23° 53'49.18"N 75° 21'51.49"E 23° 53'41.27"N 75° 21'53.96"E 23° 53'38.38"N 75° 21'54.55"E 23° 53'37.51"N 75° 21'51.49"E	Opencast	10 to 12
33	Gitti	Shri Shivcharan S/o Madan Singh Bhati	Halduni Tehsil Sitamau	1757 ft. 20/11/2015	Sedrama te	682/1	2.000	30/01/2016	29/01/2026	Na	12/05/2016	Working	Non-Captive	Yes, 59 Date 10/05/2016	23° 55'37.07"N 75° 22'45.34"E23° 55'37.03"N 75° 22'48.99"E23° 55'30.73"N 75° 22'49.96"E23° 55'30.62"N 75° 22'45.86"E	Opencast	17 to 18
34	Gitti	Shri Ankit S/o Narendra Yadav	Shamgarh Tehsil Shamgarh	80 ft. 09/01/2018	Dhalpat	205/Min-2	2.000	19/12/2018	18/12/2028	Na	09/01/2019	Working	Non-Captive	Yes, 10 Date 27/07/2018	24° 6'51.39"N 75° 38'1.06"E 24° 6'50.94"N 75° 38'8.06"E 24° 6'47.81"N 75° 38'8.30"E 24° 6'48.23"N 75° 38'0.03"E	Opencast	20 to 22
35	Gitti	Shri Praveen S/o Redeshya m Malviya	Suwasar Tehsil Suwasara	1076 ft. 04/04/2017	Semilkan kad	152, 159	1.000	17/04/2017	16/04/2027	18/04/2007	17/04/2017	Working	Non-Captive	Yes, 57 Date 05/09/2017	24° 06'9.21"N 75° 40'31.56"E 24° 06'5.56"N 75° 40'33.45"E 24° 06'5.46"N 75° 40'34.16"E 24° 06'4.41"N 75° 40'35.75"E 24° 06'2.86"N 75° 40'30.71"E 24° 06'8.51"N 75° 40'31.55"E	Opencast	10 to 15
36	Gitti	Mrs. Mamta W/o Late Pushparaj singh	Sakhtali Tehsil sitamau	1276 ft. 09/07/2014	basai	2055	2.000	01/09/2014	31/08/2024	Na	01/09/2015	Working	Non-Captive	Yes, 1766 Date 08/06/2015	24° 4'38.82"N 75° 32'32.98"E 24° 4'37.76"N 75° 32'39.43"E 24° 4'34.52"N 75° 32'39.30"E 24° 4'35.62"N 75° 32'32.12"E	Opencast	12 to 15

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

37	Gitti	Shri Mahesh S/o Atmaram Patidar	Gangakhe di Tehsil Suwasra	770 ft. 28/05/20 15	Semlikan kad	151/Mlr-1	4.000	16/12/2015	15/12/2025	01/12/2007	30/11/2017	08/03/2007	Working	Non-Captive	Yes, 8119 Date 24/11/2015	24° 06'20.30"N 75° 40'26.94"E 24° 06'27.32"N 75° 40'27.41"E 24° 06'25.38"N 75° 40'34.10"E 24° 06'18.78"N 75° 40'33.37"E	Opencast	18 to 20
38	Gitti	Shri Ramprasad S/o Rambaksh Patidar	Gangakhe di Tehsil Suwasra	952 ft. 27/03/20 17	Daloda Rai	26	2.000	30/11/2017	29/11/2027	01/12/2007	30/11/2017	08/03/2007	Working	Non-Captive	Yes, 19 Date 04/03/2017	23° 56'9.58"N 75° 05'24.02"E 23° 56'9.66"N 75° 05'29.54"E 23° 56'14.47"N 75° 05'29.77"E 23° 56'13.77"N 75° 05'26.23"E 23° 56'13.09"N 75° 05'24.31"E	Opencast	10 to 15
39	Gitti	Shri Dinesh S/o Ishwarlal Patidar	Eichi Tehsil Daloda	1825 ft. 10/09/20 12	Banikhed	888, 889	2.000	11/08/2014	10/08/2024	Na	Na	16/12/2015	Working	Non-Captive	Yes, 3532 Date 15/07/2015	23° 56'28.69"N 75° 05'7.23"E 23° 56'34.15"N 75° 05'7.37"E 23° 56'35.56"N 75° 05'11.09"E 23° 56'32.44"N 75° 05'11.19"E 23° 56'28.55"N 75° 05'10.58"E	Opencast	20 to 22
40	Gitti	Shri Ishwarlal S/o Ambalal Patidar	Eichi Tehsil Daloda	947 ft. 12/07/20 21	Banikhed	840	2.000	20/07/2020	19/07/2030	21/07/2010	30/07/2020	14/11/2010	Working	Non-Captive	Yes, 125 Date 30/05/2016	23° 56'28.63"N 75° 04'43.03"E 23° 56'30.54"N 75° 04'39.66"E 23° 56'33.68"N 75° 04'40.73"E 23° 56'35.91"N 75° 04'40.78"E 23° 56'33.37"N 75° 04'45.44"E	Opencast	18 to 20

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



41	Gitti	Shri Ishwarlal S/o Ambalal Patidar	Eichi Tehsil Daloda	9480 Sq. Ft. 12/07/2021	Eichi	1974	2.000	20/07/2020	19/07/2030	21/07/2010	20/07/2020	13/11/2010	Working	Non-Captive	Yes, 7267 Date 05/11/2015	23° 56'27.88"N 75° 04'37.13"E 23° 56'27.68"N 75° 04'32.00"E 23° 56'31.99"N 75° 04'31.64"E 23° 56'32.41"N 75° 04'35.60"E 23° 56'31.64"N 75° 04'37.01"E	Opencast	15 to 18
42	Gitti	Dinesh s/o Ishwarlal Patidar	Eichi Tehsil Daloda	9449 Sq. Ft. 12/07/2021	Banikhed	889, 890	3.000	20/07/2020	19/07/2030	21/07/2010	20/07/2020	13/11/2010	Working	Non-Captive	Yes, 8135 Date 24/11/2015	23° 56'20.40"N 75° 05'7.17"E 23° 56'28.67"N 75° 05'7.58"E 23° 56'28.51"N 75° 05'11.92"E 23° 56'25.66"N 75° 05'13.22"E 23° 56'24.41"N 75° 05'12.90"E 23° 56'22.22"N 75° 05'10.25"E 23° 56'20.31"N 75° 05'8.96"E	Opencast	18 to 20
43	Gitti	Mrs. Chitradevi W/o Kiran kumar Minda	Jankupur & Mandseur	5969 Sq. Ft. 19/04/2021	Palevna	750	1.000	30/10/2019	29/10/2029	31/10/2009	30/10/2019	04/12/2009	Working	Non-Captive	Yes, 113 Date 30/05/2016	24° 07'51.79"N 75° 05'56.85"E 24° 07'57.80"N 75° 05'57.10"E 24° 07'57.36"N 75° 05'51.68"E 24° 07'51.46"N 75° 05'51.98"E	Opencast	15 to 16
44	Gitti	Shri Laxmi Narayan S/o Davilal Patidar	Akyebika Tehsil Malharghar	674 Sq. Ft. 02/07/2009	Dodiyam eena	4	2.000	13/07/2009	12/07/2019	Na	Na	10/11/2009	Non-Working	Non-Captive	Yes, 6917 Date 28/10/2015	24° 09'12.22"N 75° 07'11.45"E 09° 10.86"N 75° 07'17.40"E 09° 07.25"N 75° 07'16.98"E 09° 09.01"N 75° 07'10.25"E	Opencast	17 to 18

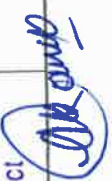
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45	Gitti	Doni Polo Udhog Limited	Shamgarh Tehsil Shamgarh	482 ft. 11/01/2021	Makdawan	151	1.640	17/07/2020	16/07/2020	18/07/2010	17/07/2020	07/09/2010	Working	Non-Captive	Yes, 61 Date 30/05/2016	24°11'2.32"N 75°39'37.30"E 24°10'55.80"N 75°39'33.89"E 24°10'54.05"N 75°39'33.00"E 24°11'3.49"N 75°39'35.42"E 24°11'3.27"N 75°39'36.00"E	Opencast	20 to 22
46	Gitti	Shri Vinay kumar Chamdiya C/o Donipolo udhyog limited	Shamgarh Tehsil Shamgarh	683 ft. 04/04/2014	Makdawan	154	2.000	09/12/2015	08/12/2025	Na	Na	25/12/2015	Working	Non-Captive	Yes, 63 Date 30/05/2016	24°10'52.70"N 75°39'25.75"E 24°10'57.02"N 75°39'25.95"E 24°10'58.37"N 75°39'27.13"E 24°11'1.75"N 75°39'29.90"E 24°11'4.98"N 75°39'31.65"E 24°11'4.92"N 75°39'31.85"E 24°11'4.74"N 75°39'31.68"E	Opencast	18 to 20
47	Gitti	Shri Rajendra kumar S/o Gour Shankar Chamdiya	Shamgarh Tehsil Shamgarh	1363 ft. 05/07/2012	Makdawan	138	1.834	20/01/2015	19/01/2025	Na	Na	27/12/2014	Working	Non-Captive	Yes, 1472 Date 25/10/2014	24°10'51.82"N 75°39'33.05"E 24°10'52.90"N 75°39'33.22"E 24°10'53.37"N 75°39'39.69"E 24°10'52.29"N 75°39'39.79"E 24°10'52.58"N 75°39'41.83"E 24°10'48.93"N 75°39'42.53"E	Opencast	18 to 20

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48	Gitti	Geetanjali Stone Crusher	Jiren Dist. Neemuch	2226 sq. ft. 31/10/2014	Kheda	234/4	1.500	08/12/2014	07/12/2024	Na	Na	07/12/2015	Working	Non-Captive	Yes, 4665 Date 12/08/2015	24°11'24.55"N 74°58'56.13"E 24°11'24.69"N 74°59'13.1"E 24°11'22.72"N 74°59'1.91"E 24°11'22.14"N 74°58'58.12"E 24°11'19.55"N 74°58'58.23"E 24°11'19.01"N 74°58'57.48"E 24°11'19.47"N 74°58'56.95"E 24°11'21.34"N 74°58'56.23"E	Opencast	10 to 15
49	Gitti	Shri Bhuvanilal S/o Ranglel Gurjar	Kheda Khadin Tehsil Malherga rh	2224 sq. ft. 31/10/2014	Kheda	234/4	1.400	23/12/2014	22/12/2024	Na	Na	20/02/2015	Working	Non-Captive	Yes, 75 Date 30/05/2016	24°11'24.43"N 74°58'51.42"E 24°11'24.74"N 74°58'56.84"E 24°11'19.14"N 74°58'57.10"E 24°11'21.54"N 74°58'55.95"E 24°11'22.58"N 74°58'51.48"E	Opencast	15 to 20
50	Gitti	Mrs. Jyoti w/o Ashish Gupta	In front of DRP line Mandseur	489 sq. ft. 05/03/2014	Dodiya eena	566	2.000	24/09/2014	23/09/2024	Na	Na	12/12/2017	Working	Non-Captive	Yes, 197 Date 28/11/2016	24°08'03.56"N 75°07'03.67"E 24°08'07.66"N 75°07'03.69"E 24°08'07.86"N 75°07'13.95"E 24°08'03.86"N 75°07'13.14"E	Opencast	16 to 18
51	Gitti	Shri Balram S/o Ambalal Patidar	Daloda Choupati Daloda	1902 sq. ft. 11/02/2014	khokhre	444	2.000	04/09/2014	03/09/2024	Na	Na	28/12/2017	Working	Non-Captive	Yes, 6951 Date 30/10/2015	24°11'30.82"N 74°59'17.62"E 24°11'36.56"N 74°59'21.12"E 24°11'36.08"N 74°59'23.96"E 24°11'35.52"N 74°59'27.76"E 24°11'35.09"N 74°59'27.84"E	Opencast	15 to 20

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

52	Gitti	Shri Laxmi Narayan S/o Ramchandra Modi	Jemidar Colony Mandseur	456 ₹. 09/03/2014	Narayan garh	538/1min-1/min-1	4.000	29/12/2014	28/12/2024	Na	Na	09/06/2015	Working	Non-Captive	Yes, 33 Date 10/05/2016	24° 16'10.09"N 75°01'11.94"E 24° 16'10.14"N 75°01'19.20"E 24° 16'16.35"N 75°01'19.33"E 24° 16'16.47"N 75°01'11.80"E	Opencast	17 to 20
59	Gitti	Shri Nitin S/o Kiranmal Agrawal	Ramtekri Mandseur	395 ₹. 19/02/2014	Narayan garh	538/1min-1/min-2	2.000	22/08/2014	21/08/2024	Na	Na	09/06/2015	Working	Non-Captive	Yes, 79 Date 30/05/2016	24° 16'19.30"N 75°01'17.50"E 24° 16'19.30"N 75°01'24.59"E 24° 16'16.02"N 75°01'17.98"E 24° 16'16.16"N 75°01'24.81"E	Opencast	18 to 20
54	Gitti	Shri Mahesh Kumar S/o Geleram Kothari	Santakarwar Colony Station road Mandseur	1900 ₹. 10/07/2014	Palevna	750	2.000	04/08/2015	09/03/2025	05/09/2005	04/09/2015	25/09/2005	Working	Non-Captive	Yes, 3169 Date 16/08/2016	24° 7'53.19"N 75° 5'43.40"E 24° 7'49.08"N 75° 5'49.58"E 24° 7'45.85"N 75° 5'48.96"E 24° 7'48.84"N 75° 5'42.63"E	Opencast	20 to 22
55	Gitti	Shri Rajendra S/o Sukhdev Patidar	Akyabke Tehsil Malherga th	2238 ₹. 31/10/2014	Dodiyam eena	4	2.000	29/12/2014	22/12/2024	Na	Na	09/04/2015	Working	Non-Captive	Yes, 10321 Date 05/01/2016	24° 9'2.52"N 75° 7'7.33"E 24° 9'2.04"N 75° 7'17.38"E 24° 8'59.37"N 75° 7'12.39"E 24° 9'0.38"N 75° 7'9.30"E 24° 8'59.61"N 75° 7'8.9"E 24° 9'1.44"N 75° 7'7.29"E	Opencast	16 to 20
56	Gitti	Shri Arvind S/o Govindram Gupta	Behind Heeraki Bagichi Ramtekri Mandseur	1348 ₹. 21/07/2014	Dhabla	81.9/min-13	2.000	24/12/2014	29/12/2024	Na	Na	17/05/2018	Non-Working	Non-Captive	Yes, 97 Date 30/05/2016	24° 11'28.26"N 75° 08'57.97"E 24° 11'28.37"N 75° 09'01.40"E 24° 11'35.31"N 75° 09'02.16"E 24° 11'35.34"N 75° 08'57.85"E	Opencast	15 to 18



57	Gitti	Shri Ashish S/o Anil Gupta	In front of DRP line Mandasaur	485 ft. 05/03/2014	Dodiyam eena	566	2,000	24/09/2014	23/09/2024	Na	Na	04/02/2017	Working	Non-Captive	Yes, 35 Date 10/05/2016	24° 08'55.61"N 75°07'12.77"E 24° 08'54.60"N 75°07'17.32"E 24° 09'01.72"N 75°07'18.43"E 24° 09'02.86"N 75°07'15.09"E	Opencast	20 to 22
58	Gitti	Shri Lexmi narayan S/o Ramchandra Modi	Jamidar Colony mandasaur	354 ft. 13/02/2014	Narayan garh	991/1/min-1	2,000	22/08/2014	21/08/2024	Na	Na	09/06/2015	Working	Non-Captive	Yes, 77 Date 30/05/2016	24° 15'22.37"N 75°01'09.01"E 24° 15'31.41"N 75°01'02.99"E 24° 15'31.40"N 75°01'05.46"E 24° 15'22.37"N 75°01'09.59"E	Opencast	18 to 20
59	Gitti	ATR Infra Project pvt ltd	Behind medhuba n Gurudwar a Neemuch	2240 ft. 31/10/2014	khokhra	409/7/2	1,000	22/12/2014	21/12/2024	Na	Na	19/02/2015	Working	Non-Captive	Yes, 963 Date 25/04/2016	24° 12'4.80"N 74°59'13.26"E 24° 12'5.23"N 74°59'19.29"E 24° 12'1.42"N 74°59'19.64"E	Opencast	10 to 15
60	Gitti	Shri Ganpatlal S/o Ramlal Patidar	Mundedi Tehali Malhera th	1111 ft. 20/06/2014	khokhra	444	2,000	18/11/2014	17/11/2024	Na	Na	19/08/2016	Working	Non-Captive	Yes, 37 Date 10/05/2016	24° 12'32.31"N 74°59'25.39"E 24° 12'28.57"N 74°59'25.39"E 24° 12'30.58"N 74°59'30.21"E 24° 12'27.27"N 74°59'30.13"E	Opencast	17 to 20
61	Gitti	Shri Vinay S/o Devichand Munji	Janta colony Mandasaur	479 ft. 05/03/2014	Narayan garh	991/1/min-1, 991/1/min-4	4,000	26/12/2014	25/12/2024	Na	Na	NIL	Non-Working	Non-Captive	NO	24° 15'39.08"N 75°01'15.01"E 24° 15'39.27"N 75°01'22.19"E 24° 15'44.94"N 75°01'22.28"E 24° 15'45.03"N 75°01'14.87"E	Opencast	18 to 20
62	Gitti	Shri Mohnuddin S/o Mashruddin	Madarpur a Mandasaur	374 ft. 28/05/2013	Thadod	78	2,000	05/04/2014	04/04/2024	Na	Na	09/06/2016	Working	Non-Captive	Yes, 39 Date 10/05/2016	24° 09'11.38"N 75°00'47.26"E 24° 09'11.36"N 75°00'53.90"E 24° 09'08.59"N 75°00'47.97"E 24° 09'08.64"N 75°00'53.95"E	Opencast	15 to 18

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63	Gitti	Shri Nitin S/o Kiranmai Agrawal	Ramtekri Mandasaur	481 फ़. 05/03/2014	Narayan garh	931/1/min-1	4.000	29/12/2014	28/12/2024	Na	Na	09/06/2015	Working	Non-Captive	Yes, 41 Date 10/05/2016	24° 15'29.81"N 75°00'48.36"E 24° 15'29.86"N 75°00'55.73"E 24° 15'41.83"N 75°00'55.76"E 24° 15'41.86"N 75°00'48.20"E	Opencast	15 to 18
64	Gitti	Mrs. Madhu S/o Arvind Gupta	Behind Heeraki Begichi Ramtekri mandasaur	1346 फ़. 21/07/2014	Dhabla	819/min-13	2.000	05/11/2014	04/11/2024	Na	Na	17/05/2018	Non-Working	Non-Captive	Yes, 6110 Date 07/10/2015	24° 11'17.23"N 75°8'34.17"E 24° 11'19.71"N 75°8'32.40"E 24° 11'20.69"N 75°8'40.64"E 24° 11'23.16"N 75°8'39.00"E	Opencast	10 to 12
65	Gitti	Shri Azad Singh S/o Madho singh	Pipliya Mandi Tehsil Malhargrh	491 फ़. 05/03/2014	Pipliya Panth	85	2.000	29/08/2014	28/08/2024	Na	Na	10/09/2014	Working	Non-Captive	Yes, 10708 Date 23/01/2016	24°11'51.13"N 74°59'43.98"E 24°11'51.08"N 74°59'47.79"E 24°11'44.98"N 74°59'47.82"E 24°11'45.02"N 74°59'44.07"E	Opencast	15 to 18
66	Gitti	Shri Shalindra Singh S/o Manohar singh	Narayang arh Tehsil Malhargrh	807 फ़. 26/05/2015	Narayan garh	598/1	2.000	30/03/2016	29/03/2026	Na	Na	12/07/2016	Working	Non-Captive	Yes, 11605 Date 26/02/2016	24°16'6.54"N 75°01'10.81"E 24°16'5.69"N 75°01'15.00"E 24°16'0.36"N 75°01'14.94"E 24°16'2.12"N 75°01'9.92"E	Opencast	16 to 17
67	Gitti	Shri Ashok Kumar S/o Fakirchand Saini	Dayaman dir parisar mandasaur	367 फ़. 19/02/2014	Kachnara	240	2.000	11/04/2014	10/04/2024	12/04/2004	11/04/2014	11/08/2004	Working	Non-Captive	Yes, 11230 Date 11/02/2016	23° 50'04.77"N 75°05'58.52"E 23° 50'09.51"N 75°05'56.40"E 23° 50'10.36"N 75°06'00.16"E 23° 50'00.73"N 75°06'03.42"E	Opencast	15 to 17

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F-5, Anand Colony, Bhopal (M.P.)

68	Gitti	Mrs. Jyoti w/o Ashish Gupta	In front of DRP line Mendseur	1006 sq. ft. 07/06/2014	Katlar	781	0.510	10/11/2014	09/11/2024	Na	Na	16/12/2016	Working	Non-Captive	Yes, 10140 Date 02/01/2016	23° 53'18.26"N 74° 56'26.73"E 53° 18'47"N 74° 56'26.77"E 53° 23'34"N 74° 56'27.73"E 53° 23'34"N 74° 56'20.93"E	Opencast	18 to 20
69	Gitti	Shri Rakesh S/o Shaligaram Dhaked	Nagri Tehsil Daloda	1570 sq. ft. 04/08/2012	Paival	158/6/2	2.000	07/06/2014	06/06/2024	Na	Na	10/05/2017	Working	Non-Captive	Yes, 99 Date 30/05/2016	24° 03'2.84"N 75° 10'58.95"E 24° 03'2.65"N 75° 11'5.28"E 24° 02'58.55"N 75° 11'5.65"E 24° 02'58.33"N 75° 11'02.01"E 24° 02'59.34"N 75° 10'59.00"E	Opencast	15 to 16
70	Gitti	Shri Ramprasad S/o Rambaksh Patidar	Gangakhe di Tehsil Suwasra	889 sq. ft. 30/05/2014	Daloda Rell	26/min-1	2.000	22/08/2014	31/08/2024	Na	Na	21/10/2016	Working	Non-Captive	Yes, 101 Date 30/05/2016	23° 58'14.11"N 75° 05'29.75"E 23° 58'14.48"N 75° 05'34.51"E 23° 58'18.77"N 75° 05'34.28"E 23° 58'9.66"N 75° 05'29.54"E	Opencast	18 to 20
71	Gitti	Shri Pankaj S/o Madanlal Jain	Suwasra Tehsil Suwasra	2699 sq. ft. 15/12/2014	Antraliya	80	2.000	29/07/2015	22/07/2025	Na	Na	05/04/2016	Working	Non-Captive	Yes, 11270 Date 15/02/2016	24° 4'56.88"N 75° 42'26.06"E 24° 4'56.87"N 75° 42'32.14"E 24° 4'53.25"N 75° 42'32.03"E 24° 4'54.85"N 75° 42'25.89"E	Opencast	18 to 20
72	Gitti	Shri Prithviraj Singh S/o Ranjit Singh	Guradiya meta Tehsil Garoth	1927 sq. ft. 24/09/2014	Manpura	239/1/min-1	2.000	30/12/2014	29/12/2024	Na	Na	09/05/2015	Working	Non-Captive	Yes, 3034 Date 10/02/2022	24° 14'44.03"N 75° 36'47.79"E 24° 14'47.47"N 75° 36'42.51"E 24° 14'50.41"N 75° 36'44.77"E 24° 14'46.68"N 75° 36'50.12"E	Opencast	15 to 18

73	Gitti	Shri Dinesh S/o Ramkaran Patidar	Garoth Tehsil Garoth	312 ft. 11/02/2014	Nariya Bujurg	394/min-2	2.000	29/08/2014	28/08/2024	Na	Na	26/08/2016	Working	Non-Captive	Yes, 45 Date 10/05/2016	24° 15' 29.75" N 75° 37' 05.15" E 24° 15' 27.47" N 75° 37' 04.59" E 24° 15' 28.82" N 75° 37' 09.66" E 24° 15' 26.56" N 75° 37' 09.02" E	Opencast	16 to 17
74	Gitti	Shri Prithvirej Singh S/o Ranjit Singh	Guradiya mata Tehsil Garoth	1929 ft. 24/09/2014	Minpura	239/1/min-2	2.000	20/03/2015	19/03/2025	Na	Na	18/05/2017	Working	Non-Captive	Yes, 47 Date 10/05/2016	24° 14' 44.03" N 75° 36' 47.79" E 24° 14' 47.47" N 75° 36' 42.51" E 24° 14' 50.41" N 75° 36' 44.77" E 24° 14' 46.68" N 75° 36' 50.12" E	Opencast	17 to 18
75	Gitti	Shri Govardhan S/o Gopaldas Kalra	Punjab Colony Sharnagar Tehsil Sharnagar	107 ft. 09/01/2014	Eri	52/4	1.000	01/09/2014	31/08/2024	Na	Na	13/03/2016	Working	Non-Captive	Yes, 10988 Date 02/02/2016	24° 15' 47.89" N 75° 30' 21.74" E 24° 15' 49.93" N 75° 30' 24.84" E 24° 15' 47.69" N 75° 30' 27.23" E 24° 15' 46.94" N 75° 30' 22.79" E	Opencast	18 to 20
76	Gitti	Shri Badrimal S/o Gulabji patidar	Babulda Tehsil Bhanpura	851 ft. 26/05/2014	Rata guradiya	7/min-1	2.000	19/08/2014	12/08/2024	Na	Na	19/12/2014	Working	Non-Captive	Yes, 143 Date 26/08/2016	24° 28' 19.69" N 75° 42' 40.76" E 24° 28' 22.87" N 75° 42' 47.56" E 24° 28' 28.63" N 75° 42' 44.29" E 24° 28' 25.17" N 75° 42' 38.05" E	Opencast	15 to 20
77	Gitti	Shri Arjun Singh S/o Anup Singh Bhadoriya	Jagga khedi Mandasaur	1535 ft. 30/09/2015	Dodiya eena	566	1.500	19/10/2016	18/10/2026	Na	Na	19/08/2018	Working	Non-Captive	Yes, 21 Date 10/05/2016	24° 07' 59.99" N 75° 06' 55.98" E 24° 07' 59.98" N 75° 07' 02.24" E 24° 07' 57.42" N 75° 06' 55.65" E 24° 07' 57.29" N 75° 07' 02.00" E	Opencast	18 to 20



78	Gitti	Shri Preetik singh S/o Tufan singh	Berkheda mitthu Tehsil Garoth	331 Ft. 12/02/20 14	Kuriasl	968/912	2.000	30/06/2 017	29/06/ 2027	Na	Na	17/08/2 017	Working	Non- Captive	Yes, 171 Date 27/09/2 016	24° 20'39.97"N 75°44'29.28"E 24° 20'31.16"N 75°44'33.00"E 24° 20'31.49"N 75°44'35.43"E 24° 20'38.65"N 75°44'32.87"E	Opencast	15 to 18
79	Gitti	Shri Poonam Chend S/o Bherulal Patidar	Chandkhe di Tehsil Daloda	105 Ft. 21/01/20 16	Arniya Gurjar	36	4.000	15/07/2 016	14/07/ 2026	Na	Na	07/10/2 016	Working	Non- Captive	Yes, 55 Date 10/05/2 016	23° 51'51.92"N 75°16'22.82"E 23° 51'44.29"N 75°16'35.79"E 23° 51'42.39"N 75°16'30.61"E 23° 51'46.24"N 75°16'28.71"E 23° 51'45.59"N 75°16'25.94"E 23° 51'48.62"N 75°16'29.97"E	Opencast	12 to 15
80	Gitti	Shri Madhusud an S/o Harvelliabh patidar	Yashnaga r Mandseur	375 Ft. 20/02/20 14	Nataram	665/2	2.000	10/12/2 015	09/12/ 2025	Na	Na	30/06/2 018	Working	Non- Captive	Yes, 341 Date 27/04/2 015	24° 09'59.52"N 75°19'12.44"E 24° 04'00.04"N 75°19'18.71"E 24° 04'04.06"N 75°19'16.62"E 24° 04'09.97"N 75°19'11.56"E	Opencast	10 to 15
81	Gitti	M/s Sisodiya Brothers pro. Shakil S/o Mohamma d salim Afgani	Boliya Tehsil Garoth	2002 Ft. 31/12/20 15	Junapani Pavti	466	1.000	23/06/2 016	22/06/ 2026	Na	Na	08/03/2 017	Working	Non- Captive	Yes, 11 Date 10/05/2 016	24° 16'17.39"N 75°44'44.51"E 24° 16'14.91"N 75°44'45.85"E 24° 16'12.43"N 75°44'45.10"E 24° 16'10.52"N 75°44'45.09"E 24° 16'10.84"N 75°44'44.16"E 24° 16'13.60"N 75°44'43.04"E 24° 16'17.28"N 75°44'43.70"E	Opencast	15 to 18



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82	Gitti	Shri Nahar Singh S/o Bhanwarlal Changeri	Changeri Tehsil Malherga rth	365 ft., 19/02/2014	Changeri	645, 783/Min-1	2,000	30/09/2016	29/09/2026	Na	Na	20/10/2016	Working	Non-Captive	Yes, 165 Date 27/09/2016	24° 19' 56.64" N 74° 58' 25.97" E 24° 19' 8.09" N 74° 58' 30.97" E 24° 19' 14.24" N 74° 58' 30.79" E 24° 19' 13.01" N 74° 58' 26.28" E 24° 19' 8.17" N 74° 58' 28.06" E 24° 19' 7.20" N 74° 58' 25.64" E	Opencast	10 to 15
83	Gitti	Shri Sheru Shah S/o Rustom Shah	Digankhurd Tehsil Mandasaur	486 ft., 27/02/2016	Digankhurd	196/9	4,000	28/10/2016	27/10/2026	Na	Na	22/12/2016	Non-Working	Non-Captive	Yes, 149 Date 26/08/2016	24° 04' 15.07" N 75° 10' 36.54" E 24° 04' 06.84" N 75° 10' 42.27" E 24° 04' 07.27" N 75° 10' 48.44" E 24° 04' 10.39" N 75° 10' 49.10" E 24° 04' 17.34" N 75° 10' 41.09" E	Opencast	15 to 18
84	Gitti	M/a Sisodiya Enterprises, Pro. Govind Singh S/o Narayan Singh	Silehgarh Dist. Jhalawad	1975 ft., 19/12/2015	Junapani Pavti	479	2,000	25/06/2016	22/06/2026	Na	Na	08/03/2017	Working	Non-Captive	Yes, 9 Date 10/05/2016	24° 16' 10.94" N 75° 44' 46.32" E 24° 16' 09.92" N 75° 44' 49.65" E 24° 16' 05.01" N 75° 44' 50.41" E 24° 16' 05.08" N 75° 44' 49.12" E 24° 16' 04.97" N 75° 44' 45.43" E 24° 16' 05.61" N 75° 44' 44.49" E 24° 16' 08.17" N 75° 44' 46.32" E 24° 16' 10.33" N 75° 44' 46.12" E	Opencast	15 to 20

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

85	Gitti	Shri Tufen singh S/o Laxman singh	Lodhake da Majra Tehsil Malhargah	1972 फ़ी. 29/12/2015	Avnakec hariya	574/Min-1	2.000	10/04/2017	09/04/2027	Na	Na	19/05/2017	Working	Non-Captive	Yes, 91 Date 30/05/2016	24° 16'30.58"N 75°07'20.12"E 24° 16'29.47"N 75°07'19.22"E 24° 16'29.84"N 75°07'20.95"E 24° 16'31.00"N 75°07'18.20"E	Opencast	10 to 15
86	Gitti	Shri Pawan Patidar S/o Ram chandra Patidar	Magrane Tehsil Malhargah	995 फ़ी. 15/02/2016	Dodiya eena	566	2.000	19/10/2016	18/10/2026	Na	Na	09/02/2017	Working	Non-Captive	Yes, 19 Date 10/05/2016	24° 07'56.21"N 75°07'11.70"E 24° 07'57.09"N 75°07'04.31"E 24° 08'00.04"N 75°07'04.87"E 24° 07'59.22"N 75°07'11.09"E	Opencast	15 to 20
87	Gitti	Shri Surendra S/o Roopal kumawat	Janta colony Mandseur	1765 फ़ी. 29/11/2015	kolva	1174	4.000	08/12/2016	07/12/2026	Na	Na	25/10/2017	Working	Non-Captive	Yes, 175 Date 28/11/2016	24° 07'49.57"N 75°08'56.12"E 24° 07'49.64"N 75°08'7.79"E 24° 07'59.80"N 75°09'8.01"E 24° 07'59.67"N 75°08'55.26"E	Opencast	10 to 15
88	Gitti	Shri Ramesh S/o Mannal Nagda	Adinath Vihar Mandseur	809 फ़ी. 26/05/2015	Pipliya Penth	9, 6	1.759	19/10/2015	12/10/2025	Na	Na	17/09/2016	Working	Non-Captive	Yes, 8125 Date 24/11/2015	24° 12'5.36"N 74°59'41.92"E 24° 12'5.13"N 74°59'44.22"E 24° 12'2.30"N 74°59'44.16"E 24° 12'2.44"N 74°59'42.99"E 24° 12'0.93"N 74°59'41.84"E 24° 12'1.02"N 74°59'40.78"E 24° 12'59.30"N 74°59'40.57"E 24° 11'59.54"N 74°59'36.64"E 24° 12'1.67"N 74°59'36.77"E 24° 12'2.56"N 74°59'41.00"E 24° 12'4.12"N	Opencast	15 to 20


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E-6, Areta Colony, Bhopal (M.P.)

89	Giti	Shri Rakesh S/o Balmukund Patidar	Takrawad Tehsil Maharga rh	1981 Bt. 09/12/20 15	Khadpelli ya	999/2, 1000/2, 1001/2, 1015/1, 1016/1	1,800	27/06/2 016	26/06/ 2026	Na	Na	07/04/2 017	Working	Non- Captive	Yes, 03 Date 10/05/2 016	74°59'41.51"E  24° 15' 57.67" N 75° 11' 20.85" E 24° 15' 57.79" N 75° 11' 24.39" E 24° 15' 54.45" N 75° 11' 24.92" E 24° 15' 54.66" N 75° 11' 20.96" E 24° 15' 57.67" N 75° 11' 24.51" E 24° 15' 57.80" N 75° 11' 27.60" E 24° 15' 55.27" N 75° 11' 28.28" E 24° 15' 54.73" N 75° 11' 26.17" E2 4° 15' 53.98" N 75° 11' 26.25" E 24° 15' 53.64" N 75° 11' 25.25" E	Opencast	10 to 15
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90	Gitti	Shri Karulal S/o Devilal Patidar	Akyebike Tehsil Malhar rh	2612 ft. 10/12/20 14	Dodiyam eena	4	2,000	22/12/2 014	21/12/ 2024	Na	Na	15/09/2 016	Working	Non- Captive	Yes, 49 Date 10/05/2 016	24° 09'4.22"N 75° 07'7.52"E 24° 09'4.27"N 75° 07'6.76"E 24° 09'10.20"N 75° 07'6.33"E 24° 09'13.23"N 75° 07'6.47"E 24° 09'11.80"N 75° 07'11.09"E 24° 09'8.45"N 75° 07'10.91"E 24° 09'8.84"N 75° 07'8.43"E	Opencast	12 to 15
91	Gitti	Shri Tarun S/o Sushil Agrawal	17 Yash nagar Mandsaur	390 ft. 19/02/20 16	Devli	237/Min-2	4,000	29/06/2 016	22/06/ 2026	Na	Na	10/04/2 017	Working	Non- Captive	Yes, 57 Date 10/05/2 016	24° 9'41.40"N 75° 39'42.78"E 24° 9'41.89"N 75° 39'50.72"E 24° 9'38.07"N 75° 39'51.96"E 24° 9'37.52"N 75° 39'44.20"E	Opencast	15 to 18
92	Gitti	Shri Anil S/o Dale Singh Gupta	In front of DRP line Mandsaur	1008 ft. 07/06/20 14	Katlar	784	2,000	27/11/2 014	26/11/ 2024	Na	Na	12/12/2 016	Working	Non- Captive	Yes, 53 Date 10/05/2 016	23° 59'04.74"N 74° 56'02.30"E 23° 59'04.84"N 74° 56'08.19"E 23° 59'07.46"N 74° 56'08.18"E 23° 59'07.18"N 74° 56'02.40"E	Opencast	10 to 35
93	Gitti	Shri Nirant Bagga S/o Suresh Chandra Bagga	Govind Nagar Mandsaur	666 ft. 01/04/20 16	Diganvkh urd	136/5	2,000	22/07/2 016	31/07/ 2026	Na	Na	25/10/2 016	Working	Non- Captive	Yes, 71 Date 30/05/2 016	24° 09'32.17"N 75° 12'01.95"E 24° 09'28.28"N 75° 12'02.80"E 24° 09'28.53"N 75° 12'06.81"E 24° 03'32.67"N 75° 12'07.03"E	Opencast	15 to 18

  
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94	Gitti	Shri Gurucharan S/o Harikishan Bagga	Nalabadi Mandseur	777 ft. 25/04/2016	Palevna	750	1.000	29/06/2016	28/06/2026	Na	Na	18/09/2016	Working	Non-Captive	Yes, 831 Date 30/05/2016	24° 07'52.46"N 75° 05'44.79"E 24° 07'53.39"N 75° 05'48.13"E 24° 07'51.41"N 75° 05'49.69"E 24° 07'49.26"N 75° 05'48.85"E 24° 07'50.04"N 75° 05'47.39"E	Opencast	15 to 17
95	Gitti	Shri Naresh S/o Virendra Yadav	Shamgarh Tehsil Shamgarh	14203 ft. 06/07/2017	Junepani dhoreny	321	1.000	04/04/2016	03/04/2026	05/04/2006	04/04/2016	10/07/2006	Working	Non-Captive	Yes, 87 Date 30/12/2017	24° 8'55.43"N 75° 98'38.70"E 24° 8'52.48"N 75° 98'38.99"E 24° 8'52.56"N 75° 98'34.22"E 24° 8'55.54"N 75° 98'35.08"E	Opencast	18 to 20
96	Gitti	Shri Ashish S/o Anil Gupta	In front of DRP line Mandseur	1213 ft. 03/06/2014	Katlar	785	2.000	02/12/2014	01/12/2024	Na	Na	18/12/2016	Working	Non-Captive	Yes, 183 Date 28/11/2016	23° 53'02.38"N 74° 56'02.51"E 23° 53'01.51"N 74° 56'07.65"E 23° 53'04.32"N 74° 56'07.89"E 23° 53'04.65"N 74° 56'02.60"E	Opencast	15 to 18
97	Gitti	Shri Luxminaryn S/o Devram Patidar	Daloda Rali Tehsil Daloda	925 ft. 27/05/2016	Daloda Rali	422,424.426	1.000	16/09/2016	15/09/2026	Na	Na	25/09/2017	Working	Non-Captive	Yes, 161 Date 26/08/2016	23° 55'14.69"N 75° 5'40.19"E 23° 55'15.67"N 75° 5'44.01"E 23° 55'12.56"N 75° 5'44.28"E 23° 55'11.74"N 75° 5'40.79"E	Opencast	15 to 20
98	Gitti	Shri Vikas S/o Rajesh Yadav	Bhasoda Mandli Tehsil Bhanpura	870 ft. 16/05/2016	Junepani Pavti	484	2.000	27/03/2017	26/03/2027	Na	Na	12/07/2017	Working	Non-Captive	Yes, 79 Date 28/11/2016	24° 19'54.12"N 75° 44'56.92"E 24° 19'48.53"N 75° 45'00.76"E 24° 19'46.85"N 75° 44'57.67"E 24° 19'52.48"N 75° 44'54.01"E	Opencast	12 to 15

*(Signature)*

Level Environmental Impact Assessment Report

Prepared by: M/s. Anand Colliery, Sharda (M.P.)

99	Gitti	Shri Madhusudan S/o Harvallah patidar	Yashnagar Mandseur	1275 ft. 11/08/2016	Lalakheda	222, 221	1,000	04/11/2016	09/11/2026	Na	Na	17/10/2017	Working	Non-Captive	Yes, 169 Date 27/09/2016	23° 55'13.62"N 75°05'13.02"E 23° 55'15.01"N 75°05'18.91"E 23° 55'13.46"N 75°05'19.19"E 23° 55'11.91"N 75°05'13.46"E	Opencast	12 to 15
100	Gitti	Shri Salim S/o Sabir Khan	Harsol Tehsil Malhargarh	1395 ft. 06/06/2016	Diganvkhard	195	2,000	05/03/2018	04/03/2028	Na	Na	09/04/2020	Working	Non-Captive	Yes, 181 Date 28/11/2016	24° 04'23.33"N 75°10'35.86"E 24° 04'23.58"N 75°10'40.24"E 24° 04'19.03"N 75°10'40.68"E 24° 04'18.63"N 75°10'34.29"E 24° 04'20.42"N 75°10'34.01"E 24° 04'20.65"N 75°10'36.08"E	Opencast	15 to 18
101	Gitti	Shri Pradeep S/o Shantilal Ghatiya	Sitamau Tehsil Sitamau	1726 ft. 30/11/2016	Sitamau	384	1,800	13/04/2017	12/04/2027	Na	Na	08/06/2017	Working	Non-Captive	Yes, 9 Date 04/03/2017	24° 00'43.77"N 75°19'18.30"E 24° 00'45.37"N 75°19'19.99"E 24° 00'41.77"N 75°19'16.07"E 24° 00'39.41"N 75°19'14.09"E 24° 00'41.07"N 75°19'11.19"E 24° 00'43.31"N 75°19'18.66"E	Opencast	10 to 12

  
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102	Gitti	Mrs. Anita W/o Nirmal Farkya	Vilay Cold Center Sitamau Tehsil Sitamau	203 ft. 25/01/20 19	Sitamau	384	2.000	08/03/2 019	07/03/ 2029	Na	Na	28/02/2 020	Working	Non- Captive	Yes, 53 Date 05/09/2 017	24° 00'40.52"N 75°19'20.30"E 24° 00'39.86"N 75°19'25.81"E 24° 00'39.04"N 75°19'26.32"E 24° 00'38.90"N 75°19'28.94"E 24° 00'34.94"N 75°19'25.07"E 24° 00'37.59"N 75°19'25.20"E 24° 00'38.14"N 75°19'17.54"E	Opencast	17 to 20
103	Gitti	Shri Akshya S/o Shelendra Gour	Javra Tehsil Javra	74 ft. 07/01/20 17	Nandvel	440	1.500	28/03/2 017	27/03/ 2027	Na	Na	13/08/2 018	Working	Non- Captive	Yes, 17 Date 04/03/2 017	23° 47'53.00"N 74°57'27.13"E 23° 47'53.42"N 74°57'30.43"E 23° 47'48.43"N 74°57'27.90"E 23° 47'48.08"N 74°57'30.85"E	Opencast	15 to 18
104	Gitti	Mrs. Vajekunwa R D/o Retanlal Petidar	Sitamau Tehsil Sitamau	1633 ft. 10/11/20 16	Bilantri	471	1.350	21/06/2 017	30/06/ 2027	Na	Na	31/03/2 018	Working	Non- Captive	Yes, 23 Date 04/03/2 017	24° 01'27.71"N 75°17'19.31"E 24° 01'31.01"N 75°17'26.15"E 24° 01'29.39"N 75°17'24.89"E 24° 01'28.25"N 75°17'20.21"E 24° 01'29.93"N 75°17'21.53"E 24° 01'24.05"N 75°17'19.31"E	Opencast	15 to 18
105	Gitti	D.K. Industries, Pro. Umesh Chawla	Kitiyani Mandseur	1508 ft. 21/01/20 21	Mundri	390	1.000	31/08/2 017	30/08/ 2027	01/09/ 2007	31/08/ 2017	21/11/2 007	Working	Non- Captive	Yes, 13 Date 10/05/2 016	24° 7'50.34"N 75°5'52.20"E 24° 7'52.86"N 75°5'52.14"E 24° 7'52.86"N 75°5'57.12"E 24° 7'50.34"N 75°5'57.06"E	Opencast	15 to 17

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Tanyavaran Parisar



106	Gitti	Shri Ganpatiel S/o Ramiel Patidar	Mundedi Tehsil Malhargath	1455 ft. 29/09/2016	Sokdi	2,9,4,7	2,000	30/12/2016	29/12/2026	Na	Na	07/02/2017	Working	Non-Captive	Yes, 177 Date 28/11/2016	24° 11'44.06"N 74° 59'27.09"E 24° 11'44.02"N 74° 59'31.03"E 24° 11'37.02"N 74° 59'30.00"E 24° 11'37.04"N 74° 59'32.00"E 24° 11'41.00"N 74° 59'33.06"E 24° 11'42.03"N 74° 59'32.08"E 24° 11'42.00"N 74° 59'31.08"E 24° 11'44.02"N 74° 59'31.03"E	Opencast	15 to 18
107	Gitti	Shri Madhusudan S/o Harivallabh Patidar	Yasnaga Mandseur	2323 ft. 15/09/2017	Lelakhed	226, 222/3	3,850	26/09/2017	25/09/2027	Na	Na	01/12/2017	Working	Non-Captive	Yes, 65 Date 05/09/2017	23° 55'13.55"N 75° 5'25.71"E 23° 55'6.25"N 75° 5'13.94"E 23° 55'11.11"N 75° 5'12.29"E 23° 55'12.60"N 75° 5'19.28"E 23° 55'15.35"E 75° 5'21.38"E 23° 55'12.55"N 75° 5'22.03"E	Opencast	17 to 18
108	Gitti	Shri Pawan S/o Ramgopal Patidar	Ritorej Colony Mandseur	2313 ft. 14/09/2017	Mundri	463	2,000	15/09/2017	14/09/2027	Na	Na	15/06/2018	Working	Non-Captive	Yes, 55 Date 05/09/2017	24° 08'14.66"N 75° 06'44.45"E 24° 08'14.60"N 75° 06'48.54"E 24° 08'09.24"N 75° 06'44.08"E 24° 08'09.23"N 75° 06'48.46"E	Opencast	12 to 15
109	Gitti	Shri Sultan Singh S/o Remsingh	Farya khedi Tehsil Garoth	1785 ft. 08/12/2016	Chankhe di kurd	3/min-2	1,600	09/11/2017	02/11/2027	Na	Na	25/05/2018	Non-Working	Non-Captive	Yes, 49 Date 05/09/2017	24° 13'51.53"N 75° 47'28.30"E 24° 13'48.54"N 75° 47'28.38"E 24° 13'48.58"N 75° 47'34.53"E 24° 13'51.51"N 75° 47'34.81"E	Opencast	15 to 18

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110	Gitti	Shri Jagdish S/o Bagdiram Gayri	Bhanpura Tehsil Bhanpura	1829 ft. 24/12/2016	Babulde	1232	2,000	25/09/2017	24/09/2027	Na	Na	15/02/2018	Working	Non-Captive	Yes, 51 Date 05/09/2017	24° 28'59.01"N 75° 41'59.22"E 24° 28'47.87"N 75° 42'4.5"E 24° 28'43.95"N 75° 42'3.09"E 24° 28'44.91"N 75° 41'57.71"E	Opencast	18 to 20
111	Gitti	Shri Mohanlal S/o Bherulal Vasitha	Chiplana Tehsil Mandasaur	29083 ft. 22/02/2017	Gurjarbaridya	170	2,000	26/09/2017	25/09/2027	Na	Na	08/06/2018	Working	Non-Captive	Yes, 59 Date 05/09/2017	24° 09'12.17"N 75° 10'19.32"E 09° 11.48"N 75° 10'25.64"E 09° 16.44"N 75° 10'29.65"E 09° 7.25"N 75° 10'17.49"E	Opencast	15 to 18
112	Gitti	Shri Ummed Singh S/o Kishore Singh	Sindpur Tehsil Malhargarh	45 ft. 06/01/2018	Mundri	463	2,000	06/01/2018	05/01/2028	Na	Na	30/03/2018	Working	Non-Captive	Yes, 101 Date 30/12/2017	24° 08'14.64"N 75° 06'43.78"E 24° 08'0.19"N 75° 06'45.92"E 24° 08'7.43"N 75° 06'41.89"E 24° 08'14.02"N 75° 06'40.45"E	Opencast	15 to 18
113	Gitti	Shri Hitesh S/o Banalal Gurjar	Leighati Mandasaur	51 ft. 06/01/2018	Dodiya eena	3/1,	2,000	09/01/2018	08/01/2028	Na	Na	16/05/2018	Working	Non-Captive	Yes, 103 Date 30/12/2017	24° 9'13.83"N 75° 7'2.63"E 24° 9'8.25"N 75° 7'2.72"E 24° 9'8.21"N 75° 6'59.05"E 24° 9'14.90"N 75° 6'58.58"E	Opencast	20 to 22
114	Gitti	Apex Tarmec Pvt Ltd	Himmat Nagar Gujarat	43 ft. 06/01/2018	Arniya gurjar	113	2,000	06/01/2018	05/01/2028	Na	Na	08/04/2018	Working	Non-Captive	Yes, 99 Date 30/12/2017	23° 51'51.05"N 75° 16'18.20"E 23° 51'49.88"N 75° 16'21.61"E 23° 51'44.78"N 75° 16'16.12"E 23° 51'43.66"N 75° 16'19.48"E	Opencast	08 to 10

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

115	Gitti	Shri Vinod Singh S/o Bapu Singh	Asbakhedi Tehsil Sitarnau	53 ft. 06/01/2018	shakkarkhedi	954	2.000	08/01/2018	07/01/2028	Na	Na	17/04/2018	Working	Non-Captive	Yes, 95 Date 30/12/2017	24° 07'58.35"N 75°13'54.47"E 24° 08'02.29"N 75°14'31.0"E 24° 07'57.49"N 75°14'31.57"E 24° 07'55.98"N 75°13'55.12"E	Opencast	12 to 15
116	Gitti	Mrs. Rupali W/o Kamlesh Kumawat	Janta colony Mandseur	47 ft. 06/01/2018	Dodiya eena	3/min-4	2.000	06/01/2018	05/01/2028	Na	Na	17/03/2018	Working	Non-Captive	Yes, 113 Date 30/12/2017	24° 09'01.9"N 75°06'51.44"E 24° 09'01.87"N 75°06'58.67"E 24° 08'58.9"N 75°06'51.62"E 24° 08'58.61"N 75°06'58.57"E	Opencast	17 to 18
117	Gitti	Shri Akhlesh S/o Gopal Saraswat	Kitiyani Mandseur	19018 ft. 16/06/2017	Arniyam eena	1/2,	3.650	20/12/2017	19/12/2027	Na	Na	15/04/2019	Working	Non-Captive	Yes, 61 Date 05/09/2017	24° 09'15.82"N 75°07'23.95"E 24° 09'15.91"N 75°07'12.44"E 24° 09'20.14"N 75°07'15.56"E 24° 09'20.31"N 75°07'23.49"E	Opencast	15 to 18
118	Gitti	Shri Devilal S/o Goverdhan Lal	Arniyam nizamudd In Tehsil Mandseur	49 ft. 06/01/2018	Digenyam all	289/34	1.500	29/01/2018	28/01/2028	Na	Na	23/07/2019	Working	Non-Captive	Yes, 93 Date 30/12/2017	24° 03'45.21"N 75°10'19.43"E 24° 03'43.88"N 75°10'25.84"E 24° 03'43.54"N 75°10'17.09"E 24° 03'41.55"N 75°10'24.97"E	Opencast	10 to 12

  
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119	Gitti	Shri Ramesh S/o Rambaksh Patidar	Gingakhe di Tehsil Suwasra	1774 Sq. Ft. 26/07/2017	Dalode Rali	361,362,366	1,000	14/02/2018	19/02/2028	Na	Na	18/03/2018	Working	Non-Captive	Yes, 89 Date 30/12/2017	23° 55'25.06"N 75° 05'35.16"E 23° 55'26.58"N 75° 05'35.43"E 23° 55'26.15"N 75° 05'33.16"E 23° 55'27.38"N 75° 05'39.41"E 23° 55'29.47"N 75° 05'37.60"E 23° 55'29.05"N 75° 05'35.77"E 23° 55'27.31"N 75° 05'35.58"E 23° 55'26.84"N 75° 05'33.18"E	Opencast	15 to 18
120	Gitti	Shri Karulal S/o Devichand Patidar	Rathana Tehsil Mandseur	2069 Sq. Ft. 26/11/2017	Rathana	879/Min-1	2,000	19/01/2018	18/01/2028	Na	Na	25/04/2018	Working	Non-Captive	Yes, 111 Date 30/12/2017	24° 3'56.85"N 75° 15'36.35"E 24° 4'00.19"N 75° 15'35.91"E 24° 4'00.52"N 75° 15'41.48"E 24° 3'57.19"N 75° 15'41.88"E 24° 27'14.75"N 75° 41'16.95"E 24° 27'14.58"N 75° 41'22.76"E 24° 27'10.83"N 75° 41'22.71"E 24° 27'10.78"N 75° 41'19.07"E 24° 27'11.33"N 75° 41'16.25"E 24° 27'12.81"N 75° 41'15.99"E 24° 27'12.92"N 75° 41'16.77"E	Opencast	15 to 18
121	Gitti	Shri Rakesh S/o Satya veer Yadav	Bhesode Mandi Tehsil Bhanpura	150 Sq. Ft. 17/01/2020	Kukdeash were	751/1, 751/2	2,000	21/01/2020	20/01/2030	Na	Na	18/10/2021	Working	Non-Captive	Yes, 9128 Date 15/11/2019	24° 27'10.78"N 75° 41'19.07"E 24° 27'11.33"N 75° 41'16.25"E 24° 27'12.81"N 75° 41'15.99"E 24° 27'12.92"N 75° 41'16.77"E	Opencast	18 to 20
122	Gitti	Shri Dinesh S/o Bagdiram mail	Diganvma II Tehsil Mandseur	2487 Sq. Ft. 01/08/2018	Diganvma all	297/1	2,000	21/02/2019	30/02/2029	Na	Na	16/08/2019	Non-Working	Non-Captive	Yes, 22 Date 27/07/2018	24° 03'30.20"N 75° 10'25.90"E 24° 03'26.16"N 75° 10'30.31"E 24° 03'23.51"N 75° 10'27.90"E 24° 03'27.62"N 75° 10'22.97"E	Opencast	08 to 10

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123	Gitti	Shri Gopal S/o Jagdish Anjana	Diganvme li Tehsil Mandsaur	2489 ft. 01/08/20 18	Diganvme eli	297/1	2,000	11/02/2 019	10/02/ 2029	Na	Na	25/01/2 020	Non- Working	Non- Captive	Yes, 20 Date 27/07/2 018	24° 03'27.62"N 75°10'22.97"E 24° 03'23.51"N 75°10'27.90"E 24° 03'21.11"N 75°10'25.02"E 24° 03'25.36"N 75°10'20.90"E	Opencast	05 to 07
124	Gitti	Shri Deenrath singh S/o Mansingh	Kilgari Tehsil Shamgarh	1430 ft. 16/12/20 20	Avra	126	2,000	28/12/2 020	27/12/ 2030	Na	Na	04/10/2 021	Working	Non- Captive	Yes, 1403 Date 29/06/2 019	24° 12'35.67"N 75°25'44.35"E 24° 12'34.21"N 75°25'47.21"E 24° 12'30.74"N 75°25'40.04"E 24° 12'29.03"N 75°25'43.21"E	Opencast	12 to 15
125	Gitti	Mrs. Lexmi kunwar w/o deletasingh	Makdawa n Tehsil Shamgarh	4095 ft. 15/12/20 20	Chikniya	1976	2,000	22/12/2 020	21/12/ 2030	Na	Na	02/04/2 021	Working	Non- Captive	Yes, 1405 Date 29/06/2 019	24° 18'54.84"N 75°45'7.31"E 24° 18'51.45"N 75°45'7.31"E 24° 18'54.97"N 75°45'14.39"E 24° 18'51.66"N 75°45'14.29"E	Opencast	10 to 15
126	Gitti	Mrs. Mamta W/o Late Pushparaj singh	Sakhtali Tehsil altamau	4198 ft. 22/12/20 20	Besal	300	2,000	05/01/2 021	04/01/ 2031	Na	Na	19/02/2 021	Working	Non- Captive	Yes, 3608 Date 13/12/2 019	24° 04'34.47"N 75°32'37.92"E 24° 04'34.43"N 75°32'39.74"E 24° 04'37.19"N 75°32'39.77"E 24° 04'35.66"N 75°32'45.00"E 24° 04'33.93"N 75°32'44.96"E 24° 04'31.24"N 75°32'41.16"E 24° 04'31.16"N 75°32'37.98"E	Opencast	15 to 17

  
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127	Gitti	Shri Bapulal S/o Ramjal Sharma	Banikhedi Tehsil Deloda	4204 Sq. 22/12/20 20	Banikhed	856	2.000	05/01/2 021	04/01/ 2031	Na	Na	16/04/2 021	Working	Non- Captive	Yes, 2499 Date 06/11/2 019	23° 56'39.47"N 75°04'31.19"E 23° 56'39.73"N 75°04'32.34"E 23° 56'38.92"N 75°04'32.40"E 23° 56'39.69"N 75°04'33.14"E 23° 56'40.46"N 75°04'33.64"E 23° 56'39.95"N 75°04'35.15"E 23° 56'39.88"N 75°04'35.66"E 23° 56'34.92"N 75°04'32.23"E	Opencast	15 to 18
128	Gitti	Shri Vinod Singh S/o Bapu Singh	Abkhedi Tehsil Sitameu	2491 Sq. 01/08/20 18	Billed	297/min-2	1.000	19/02/2 021	18/02/ 2031	Na	Na	12/09/2 022	Non- Working	Non- Captive	Yes, 14 Date 27/07/2 018	24° 13'08.39"N 75°14'34.87"E 24° 13'04.58"N 75°14'35.88"E 24° 13'04.39"N 75°14'32.26"E 24° 13'08.04"N 75°14'31.08"E	Opencast	19 to 20
129	Gitti	Shri Pawan S/o Premechand patidar	Yahnaga Tehsil Mandsaur	12526 Sq. 12/06/20 17	Amiyam eena	1/2,	2.000	25/02/2 021	22/02/ 2031	Na	Na	09/08/2 021	Working	Non- Captive	Yes, 63 Date 05/09/2 017	24° 09'9.89"N 75°07'21.37"E 24° 09'11.02"N 75°07'17.16"E 24° 09'15.73"N 75°07'18.84"E 24° 09'15.66"N 75°07'23.16"E	Opencast	22 to 24

*(Signature)*

130	Gitti	Mrs. Pawan W/o Krishanlal Patidar	Dunglawd a Tehsil Maharga rh	3254 ft. 29/12/2018	Sitamau	384	1.800	23/02/2021	22/02/2021	Na	Na	07/08/2021	Working	Non-Captive	Yes, 47 Date 05/09/2017	24° 00' 98.14" N 75° 19' 17.54" E 24° 00' 40.50" N 75° 19' 12.66" E 24° 00' 49.76" N 75° 19' 15.38" E 24° 00' 41.11" N 75° 19' 19.41" E	Opencast	17 to 18
131	Gitti	Shri Madhusudan S/o Harivallabh Patidar	Yashnagar Mandasaur	46 ft. 06/01/2021	Eichi	1621, 1631, 1630/1, 1630/2	1.800	10/04/2021	09/04/2021	Na	Na	07/08/2021	Working	Non-Captive	Yes, 4331 Date 27/10/2020	23° 55' 20.72" N 75° 05' 00.48" E 23° 55' 20.69" N 75° 05' 08.99" E 23° 55' 19.29" N 75° 05' 04.47" E 23° 55' 20.18" N 75° 05' 08.11" E 23° 55' 17.31" N 75° 05' 08.35" E 23° 55' 17.07" N 75° 05' 02.01" E 23° 55' 19.30" N 75° 05' 01.77" E 23° 55' 19.36" N 75° 05' 00.69" E	Opencast	15 to 18
132	Gitti	Shri Priyanshu S/o Rajesh Muniya	Hospital Road Suwara Tehsil Suwara	1969 ft. 08/09/2021	Semlikan kad	925	3.720	06/10/2021	06/10/2021	Na	Na	03/11/2021	Working	Non-Captive	Yes, 1651 Date 13/08/2021	24° 07' 10.89" N 75° 41' 19.40" E 24° 07' 11.07" N 75° 41' 25.05" E 24° 07' 05.00" N 75° 41' 24.87" E 24° 07' 04.70" N 75° 41' 17.15" E	Opencast	20 to 22

  
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133	Gitti	Shri Ashish S/o Anil Gupta	In front of DRP line Mandsaur	2375 sq. 16/11/20 21	Bhandari ya	320/mean- 3	3.000	25/11/2 021	24/11/ 2031	Na	Na	08/06/2 022	Working	Non- Captive	Yes, 8644 Date 08/11/2 021	23° 50'44.23"N 74° 59'06.76"E 23° 50'46.43"N 74° 59'00.90"E 23° 50'51.99"N 74° 59'03.97"E 23° 50'51.40"N 74° 59'08.11"E	Opencast	18 to 20
134	Gitti	Shri Navin Kumar S/o Dwarika Prasad Gupta	Bardiya Amra Tehsil Garoth	312 sq. 17/02/20 22	Nariya Bujurg	318	3.000	02/03/2 022	01/03/ 2032	Na	Na	16/04/2 022	Working	Non- Captive	Yes, 8809 Date 16/01/2 022	24° 15'51.43"N 75° 37'20.19"E 24° 15'51.62"N 75° 37'15.66"E 24° 15'59.30"N 75° 37'16.96"E 24° 15'53.27"N 75° 37'11.78"E 24° 15'51.59"N 75° 37'11.94"E 24° 15'51.51"N 75° 37'10.01"E 24° 15'49.61"N 75° 37'16.47"E	Opencast	22 to 24

  
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**2. Details of Royalty or Revenue Received in Last Three Years for Gitti**

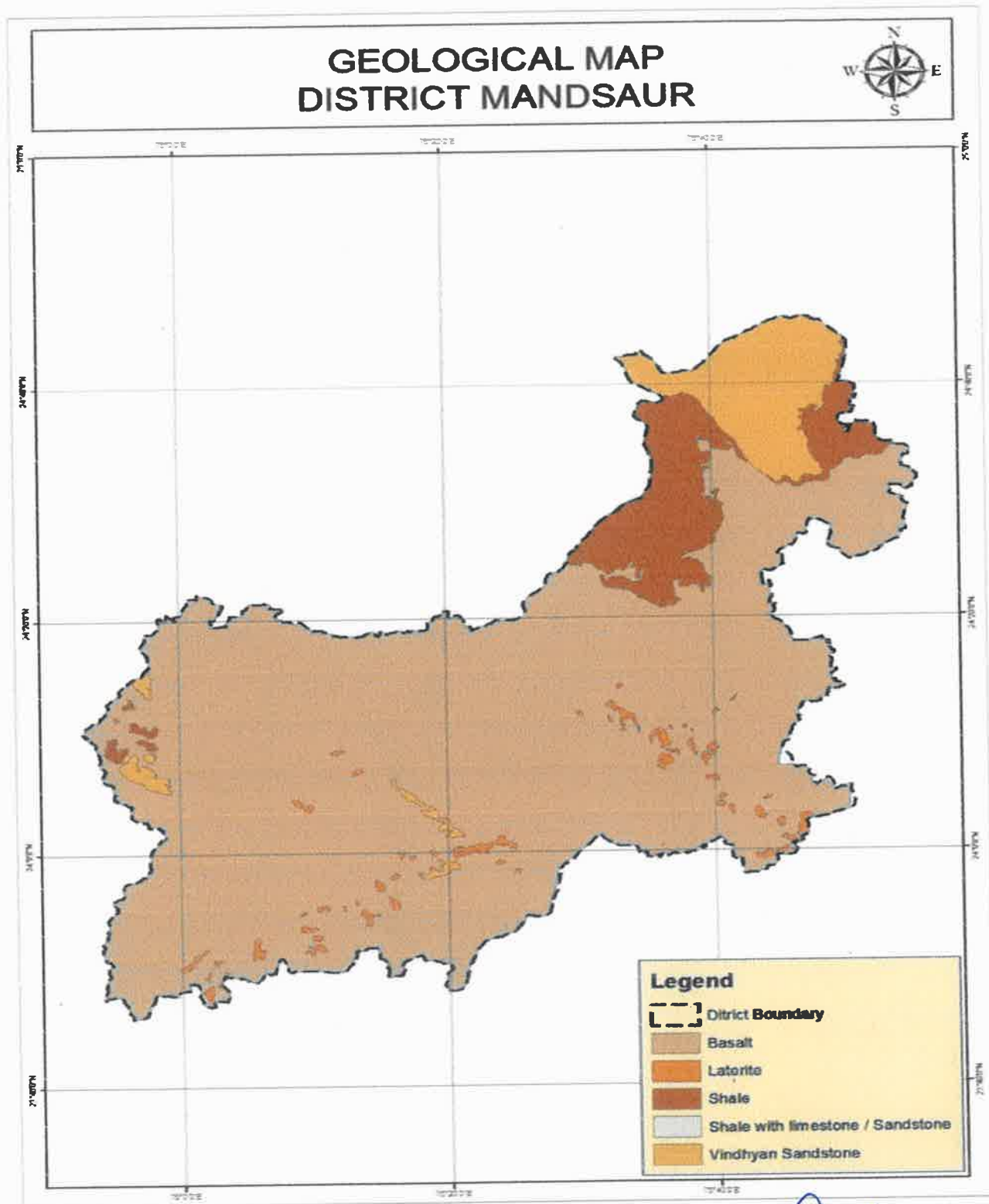
<b>Year</b>	<b>Mineral</b>	<b>Revenue (InRs.)</b>
<b>2019-20</b>	<b>Gitti</b>	<b>78,560,017.00</b>
<b>2020-21</b>	<b>Gitti</b>	<b>180,677,137.00</b>
<b>2021-22</b>	<b>Gitti</b>	<b>118,099,631.00</b>

**3. Details of Production of Gitti in last three years**

<b>Year</b>	<b>Mineral</b>	<b>Production</b>
<b>2019-20</b>	<b>Gitti</b>	<b>565176.110 Cum</b>
<b>2020-21</b>	<b>Gitti</b>	<b>1576732.890 Cum</b>
<b>2021-22</b>	<b>Gitti</b>	<b>1561601.200 Cum</b>

  
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#### 4. Mineral Map of the district




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

## 5. List of Letter of Intent (LOI) Holders in the District along with its validity

Table:

S.No	Name of the Lessee and Address	Name of the mineral	Gram	Tehsil	Survey No	Area in Hectare	Govt./ Semi Govt.	Current Status of the Applicant	Order/Letter No. and Date
1.	Shri Bhanupratap Singh / S/o Yashpal Singh Sisodiya R/o	Gitti	Bhandariya	Dalora	696	4	Govt.	LOI Granted	S.No.1608 Date 19-07-2021
2.	Shri Kuldeep Singh S/o Bhagwan Singh Sisodiya R/o	Gitti	Bhandariya	Dalora	173	4	Govt.	LOI Granted	S.No.1606 Date 19-07-2021
3.	Shrimati Annu W/o Shri Gurudeep Singh Aanjana R/o Digaon Khurd Tehsil	Gitti	Digaon Khurd	Mandsaur	369	2	Govt.	LOI Granted	S.No.1593 Date 15-07-2021
4.	Shrimati Vishnukanta W/o Shri Dilip Singh Aanjana R/o	Gitti	Digaon Khurd	Mandsaur	369	2	Govt.	LOI Granted	S.No.1595 Date 15-07-2021
5.	M/s Chetak Stone Crusher, Kotda Bujurg Tehsil Garoth District	Gitti	Kotadabujurg	Garoth	356/ Min.-2	2	Govt.	LOI Granted	S.No.1620 Date 23-07-2021
6.	Shri Shyam Singh S/o Tejsingh Chouhan R/o Pavti Tehsil	Gitti	Pavti	Garoth	262 5	1	Govt.	LOI Granted	S.No.1622 Date 23-07-2021
7.	MKC Infrastructure Ltd, Shivnagar anjar kutch Gujrat	Gitti	Jhotawali	Suwasra	114, 117, 118	4.900	Govt.	LOI Granted	S.No.1745 Date 03-08-2022
8.	MKC Infrastructure Ltd, Shivnagar anjar kutch Gujrat	Gitti	Antraliya	Suwasra	57/ 1	4.900	Govt.	LOI Granted	S.No.1743 Date 03-08-2022

  
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**6. Total Mineral Reserve available in the district**

**MINERALWEALTH-**

The district is blessed with favorable geological and geotectonic settings. Rocks ranging from Meso Proterozoic to recent era accommodate every episode of mineralisation present.

**Gitti**– Gitti stone is used for concrete aggregate, for road building.

**7. Uses and Quality /Grade of Mineral available in the district**

1	Gitti	Concrete aggregate, for road building.
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**8. Demand and Supply of the Mineral in the last three years**

SN	Year	Mineral	Supply	Demand
1	2019-20	Gitti	654666 Cum	As per market demand
2	2020-21	Gitti	1505642 Cum	As per market demand
3	2021-22	Gitti	984163 Cum	As per market demand

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





# PART-2

# MINOR MINERAL

# MURRUM


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

1. Details of the Murrum mining leases in the district

Sl. No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of Lessee	Mining lease Grant Order No. & date	Name of Village	Khasra No.	Area of Mining lease (he)	Period of Mining lease (Initial)		Period of Mining lease (1st/2nd renewal)	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)	Plantation Number of Plant in mines
								From	To								
1	Murrum	Shri Abhishek S/o Rajendra Khimesra	37, Bhojka Gali Mandasaur	1366 Date 05/09/2016	Multanpura	965	2.000	22/12/2016	21/12/2026	Na	25/09/2017	Working	Non-Captive	Yes, 191 Date 28/11/2016	24° 05' 49.72" N 75° 00' 49.29" E 24° 05' 48.62" N 75° 00' 46.57" E 24° 05' 54.30" N 75° 00' 47.88" E 24° 05' 55.33" N 75° 00' 45.60" E	Opencast	19 to 25
2	Murrum	Shri Salim S/o Sabir Khan	Hersol Tehsil Malhargah	1366 Date 05/09/2016	Multanpura	965	2.000	22/12/2016	21/12/2026	Na	09/11/2018	Working	Non-Captive	Yes, 187 Date 28/11/2016	24° 05' 49.46" N 75° 00' 56.46" E 24° 05' 49.28" N 75° 01' 00.31" E 24° 05' 42.49" N 75° 00' 59.55" E 24° 05' 44.87" N 75° 00' 55.89" E	Opencast	15 to 18
3	Murrum	Shri Asif S/o Jyotak	Gol Chauraha Nal Aabedi Mandasaur	1366 Date 05/09/2016	Multanpura	965	2.000	22/12/2016	21/12/2026	Na	15/10/2017	Working	Non-Captive	Yes, 189 Date 28/11/2016	24° 05' 56.42" N 75° 00' 44.36" E 24° 05' 56.71" N 75° 00' 47.59" E 24° 05' 48.10" N 75° 00' 47.60" E 24° 05' 49.84" N	Opencast	22 to 25

*Asif*  
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4	Murru	Shri Sald S/o Faruk Lakkad	Multampur Mandsaur	1362 Date 05/09/20 16	Multamura	965	2,000	22/12/ 2016	21/12/ 2026	Na	Na	29/09/ 2017	Working	Non- Captive	Yes, 185 Date 28/11/20 16	24° 05'56.22"N 75°00'47.59"E 24° 05'56.07"N 75°00'51.08"E 24° 05'49.42"N 75°00'50.98"E 24° 05'49.68"N 75°00'50.90"E 24° 05'49.80"N 75°00'47.60"E	75°00'44.28"E	15 to 20 Opencast
5	Murru	Shri Nihalchand S/o Kana Malviya	Dhariyake di Tehsil Mandsaur	1167 Date 27/07/20 16	Dhariyake khedi	320	2,000	19/10/ 2016	18/10/ 2026	Na	Na	08/11/ 2018	Working	Non- Captive	Yes, 167 Date 27/09/20 16	24° 07'50.27"N 74°58'18.95"E 24° 07'54.28"N 74°58'27.71"E 24° 07'48.15"N 74°58'20.04"E 24° 07'52.18"N 74°58'28.82"E	75°00'44.28"E	18 to 20 Opencast
6	Murru	Shri Rajkumar S/o Babulal Nehar	Jenkupura Mandsaur	78 Date 08/01/20 18	Bahi	508	2,000	22/09/ 2018	21/09/ 2028	Na	Na	06/03/ 2019	Working	Non- Captive	Yes, 16 Date 27/07/20 18	24° 10'19.40"N 74°59'07.40"E 24° 10'19.59"N 74°59'11.12"E 24° 10'23.95"N 74°59'11.38"E 24° 10'27.59"N 74°59'12.23"E 24° 10'27.58"N 74°59'13.29"E 24° 10'19.62"N 74°59'13.29"E 24° 10'18.18"N 74°59'11.85"E 24° 10'18.01"N 74°59'07.35"E	75°00'44.28"E	20 to 25 Opencast

  
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## 2. Details of Royalty or Revenue Received in Last Three Years for Murum

<b>Year</b>	<b>Mineral</b>	<b>Revenue (InRs.)</b>
<b>2019-20</b>	<b>Murum</b>	<b>2,045,357.00</b>
<b>2020-21</b>	<b>Murum</b>	<b>4,469,193.00</b>
<b>2021-22</b>	<b>Murum</b>	<b>2,470,490.00</b>

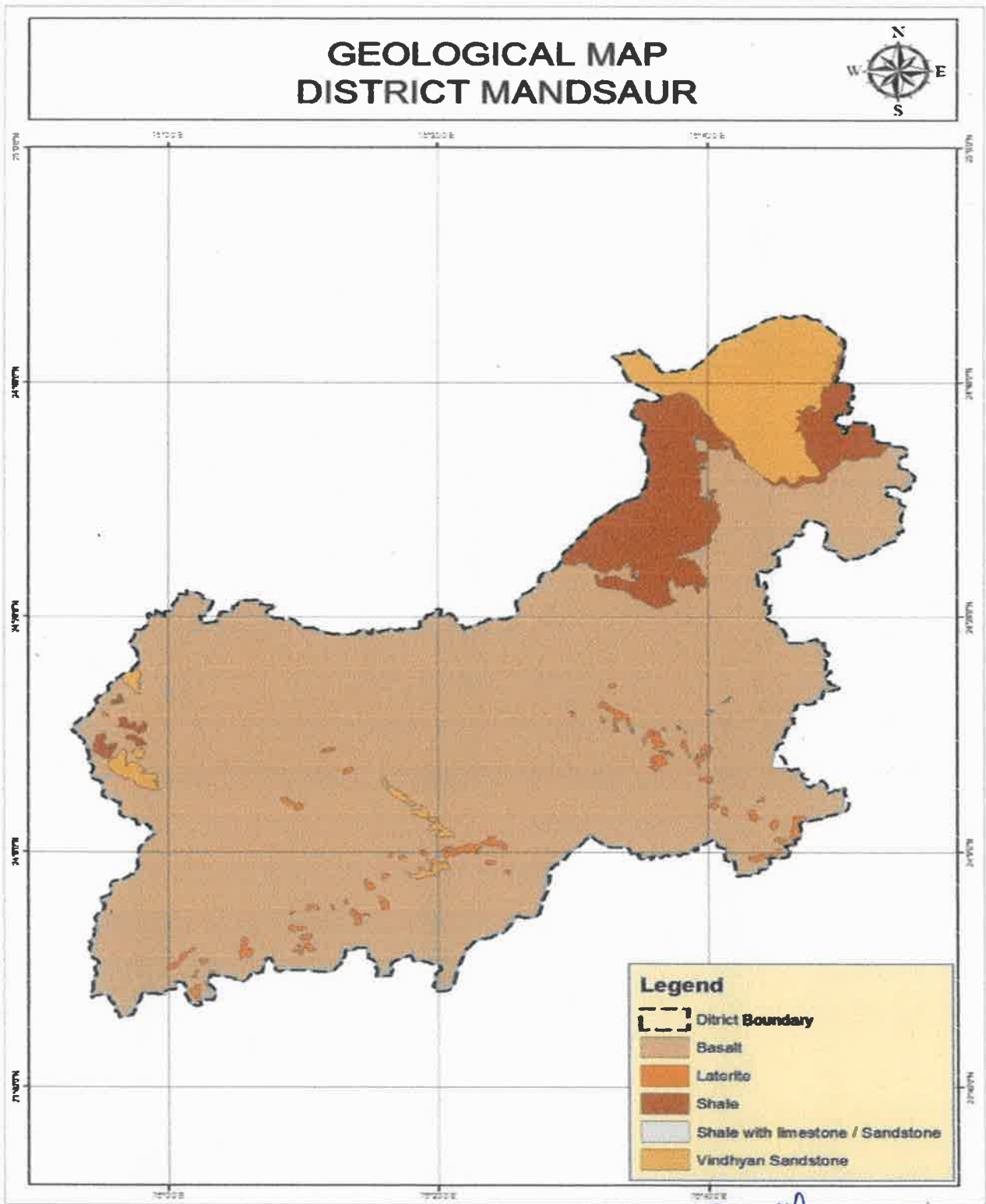
## 3. Details of Production of Murum in last three years

Table:

<b>Year</b>	<b>Mineral</b>	<b>Production</b>
<b>2019-20</b>	<b>Murum</b>	<b>36362.920 Cum</b>
<b>2020-21</b>	<b>Murum</b>	<b>726449 Cum</b>
<b>2021-22</b>	<b>Murum</b>	<b>820492 Cum</b>

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#### 4. Mineral Map of the district



*[Signature]*  
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**5. List of Letter of Intent (LOI) Holders in the District along with its validity.**

None.

**6. Total Mineral Reserve available in the district**

**MINERALWEALTH-**

The district is blessed with favorable geological and geotectonic settings. Rocks ranging from Precambrian to recent era accommodate every episode of mineralisation present.

Murum-Murum is used in plinth filling, road pavements, backfilling in trenches, footing pits, etc

**7. Uses and Quality /Grade of Mineral available in the district**

1	Murum	Plinth filling, road pavements
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**8. Demand and Supply of the Mineral in the last three years**

SN	Year	Mineral	Supply	Demand
1	2019-20	Murum	40907 cum	As per market demand
2	2020-21	Murum	89383 cum	As per market demand
3	2021-22	Murum	49409 cum	As per market demand

  
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# PART-3

# MINOR MINERAL

# SHALE

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

1. Details of the Shale mining leases in the district

Sl. No.	Name of the Miner	Name of the Lessee	Address & Contact No. of Lessee	Mining lease Grant Order No. & date	Name of Village	Kharsa No.	Area of Mining lease (ha)	Period of Mining lease (Initial)		Period of Mining lease (1st/2nd renewal)		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)	Plan tatio n Num ber of Plan t in mines
								From	To	From	To							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1	Shale	Shri Anil kumar S/o Laxmilal Jain	Jankupura Mandasaur	3/252/97/12/1- Date 08/01/1998	Bahl	492, 493	1.706	14/04/1998	13/04/2018	Na	Na	16/09/1998	Working	Non-Captive	Yes, 1230 Date 23/06/2020	24° 10'28.18"N 74°59'10.96"E 24° 10'23.91"N 74°59'08.08"E 24° 10'20.19"N 74°59'10.69"E 24° 10'20.14"N 74°59'06.06"E 24° 10'22.1"N 74°59'06.16"E 24° 10'22.04"N 74°59'08.21"E 24° 10'23.98"N 74°59'08.91"E 24° 10'23.95"N 74°59'07.00"E 24° 10'26.84"N 74°59'06.74"E 24° 10'27.49"N 74°59'08.43"E	Opencast	10 to 15

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2	Shale	Shri Gulab Mohammed S/o Ahmed Bhal	Gol Choraha Mandsaur	3/34/90/12/ 1-Date 01/07/1996	Bid Pityak hedl	39/3	4.900	20/08/ 2016	19/09/ 2026	Na	Na	10/05/ 1997	Working	Non- Captive	Yes, 70 Date 24/09/20 18	24° 05' 57.412"N 74° 58' 43.632"E 24° 06' 00.629"N 74° 58' 50.830"E 24° 05' 59.856"N 74° 58' 52.622"E 24° 05' 59.792"N 74° 58' 54.04"E 24° 05' 57.134"N 74° 58' 54.263"E 24° 05' 50.172"N 74° 58' 44.687"E	Opencast	15 to 18
3	Shale	Shri Rajesh S/o Yashwant Singh Raghuvanshi	Ramtekri Mandsaur	3/47/98/12/ 1-Date 18/11/1999	Barkh ede Jaisin gh	433, 437	3.894	04/12/ 1999	03/12/ 2049	Na	Na	15/06/ 2000	Non- Working	Non- Captive	No	24° 07' 53.03"N 74° 58' 17.07"E 24° 07' 54.01"N 74° 58' 17.06"E 24° 07' 52.00"N 74° 58' 12.2"E 24° 07' 44.04"N 74° 58' 00.4"E 24° 07' 40.05"N 74° 58' 00.2"E 24° 07' 41.07"N 74° 58' 04.8"E 24° 07' 45.03"N 74° 58' 10.65"E 24° 07' 48.00"N 74° 58' 08.7"E 24° 07' 50.00"N 74° 58' 13.1"E	Opencast	10 to 12
4	Shale	Shri Ashok kumar S/o Samratima Mittal	Dashreth Nager mandsaur	3/113/98/1 2/1-Date 03/05/2002	Kangh attli	1371, 1375, 1376	0.590	03/10/ 2002	02/10/ 2052	Na	Na	08/09/ 2003	Working	Non- Captive	Yes, 7906 Date 31/03/20 21	24° 12' 51.4"N 74° 55' 54.1"E 24° 12' 53.6"N 74° 55' 53.0"E 24° 12' 55.4"N 74° 55' 56.4"E 24° 12' 52.5"N 74° 55' 56.9"E	Opencast	10 to 15
5	Shale	Shri Jhar Hussain S/o Mohammed Pemla	Multanpur Mandsaur	3/35/99/12/ 1-Date 27/06/2000	Gogar pura	516, 519	0.687	26/09/ 2020	25/09/ 2050	Na	Na	25/05/ 2001	Non- Working	Non- Captive	No	Latitude 24° 08' 04" To 24° 08' 05" Longitude 74° 59' 08" To 74° 58' 09"	Opencast	15 to 18

State Level Environment Impact

6	Shale	Shri Shiv Patidar S/o Lexminaray an Patidar	Bahl Tehsil Malhergar h	3- 43/99/12/1- Date 07/09/2001	Bahl	754, 755	1.336	31/12/2001	30/12/2051	Na	Na	17/04/2002	Working	Non-Captive	Yes, 45 Date 05/09/2017	24° 10'03.0"N 74° 59'22.2"E 24° 10'03.6"N 74° 59'24.6"E 24° 10'07.5"N 74° 59'23.4"E 24° 10'07.2"N 74° 59'21.6"E 24° 10'08.4"N 74° 59'20.4"E 24° 10'07.2"N 74° 59'19.2"E 24° 10'05.4"N 74° 59'18.06"E 24° 10'04.8"N 74° 59'19.2"E	Opencast	12 to 15
7	Shale	Shri Ajimbabu, Jakir Hussain, Aftab Hussain	Kitiyani Mandseur	566 Date 13/03/2013	Gogar pura	404, 405/10	4.900	08/07/2005	31/03/2090	Na	Na	19/06/1996	Non-Working	Non-Captive	No	24° 08'01.7"N 74° 58'33.9"E24° 08'01.0"N 74° 58'23.4"E24° 07'56.0"N 74° 58'21.0"E24° 08'58.2"N 74° 58'36.3"E	Opencast	15 to 18
8	Shale	Shri Mukhtiyar S/o Haji Rahim Gadvi	Multanpur & Mandseur	2- 01/2002/12/1- Date 28/04/2003	Kangh etti	1676, 77, 78, 79, 1718	0.880	02/06/2003	01/06/2053	Na	Na	16/07/2004	Working	Non-Captive	Yes, 69 Date 06/05/2020	24° 12'32.60"N 74° 55'54.10"E 24° 12'29.90"N 74° 55'54.27"E 24° 12'28.60"N 74° 55'50.90"E 24° 12'29.60"N 74° 55'50.50"E 24° 12'29.90"N 74° 55'51.40"E 24° 12'32.00"N 74° 55'51.00"E	Opencast	10 to 15
9	Shale	Shri Bashir S/o Haji Rahim Gadvi	Multanpur & Mandseur	02- 73/95/12/1 Date 24/11/1995	Dolat pura	69/5	0.627	15/12/1995	14/12/2045	Na	Na	24/05/1996	Non-Working	Non-Captive	No	24° 5'37.40"N 75° 1'13.42"E 24° 5'95.05"N 75° 1'15.08"E 24° 5'35.73"N 75° 1'15.13"E 24° 5'36.07"N 75° 1'17.76"E	Opencast	10 to 15

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10	Shale	Shri Rakesh Chand S/o Premchand Goyal	Gol Chorahe Mandseur	F-99/12/18/04/2002	Pityak hedli Jagir	129	1.359	30/09/2002	29/09/2052	Na	Na	19/10/2002	Non-Working	Non-Captive	No	24° 07'40"N 74° 58'30"E	Opencast	15 to 18
11	Shale	Shri Rejesh S/o Samratihma I Mittal	Deshrath Nagar mandseur	3/12/198-20/08/2001	Dolat pure	213/1	1.350	10/05/2002	09/05/2052	Na	Na	15/03/2002	Non-Working	Non-Captive	No	Latitude 24° 05'17" To 24° 05'22" Longitude 75° 1'37" To 75° 1'40"	Opencast	15 to 20
12	Shale	Shri Gopal Krishan Mandovra	Gol Chorahe Mandseur	3/48/2000/12/1-Date 28/08/2001	Daud khedi	1/1, 25	3.376	27/09/2002	26/09/2052	Na	Na	23/06/2007	Working	Non-Captive	Yes, 1397 Date 29/06/2019	24° 04'15"N 74° 01'40"E	Opencast	10 to 15
13	Shale	Shri Ramesh Chandra Hemkumar Gupta	Pipilyaman di Tehelli Malherga h	99/12/01-Date 18/04/2002	Kangh etti	1585/1, 2095, 2115	24.900	01/10/2009	30/09/2023	Na	Na	19/11/2002	Non-Working	Non-Captive	No	Latitude 24° 12'42" To 24° 13'06" Longitude 74° 55'58.5 To 74° 56'33"	Opencast	15 to 18
14	Shale	M/s Guru Kripa Mines, Pro. Ravindra Arora	Nai abadi Mandseur	F3/97/99/12/1,Date 17/05/2000	Gujar da	4/1,	3.000	06/07/2000	05/07/2050	Na	Na	12/11/2000	Working	Non-Captive	Yes, 574 Date 18/05/2021	24° 05'27.09"N 74° 58'31.26"E 24° 05'19.78"N 74° 58'42.30"E 24° 05'17.98"N 74° 58'40.60"E 24° 05'24.18"N 74° 58'30.24"E	Opencast	15 to 20

  
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**2. Details of Royalty or Revenue Received in Last Three Years for Shale**

<b>Year</b>	<b>Mineral</b>	<b>Revenue (InRs.)</b>
<b>2019-20</b>	<b>Shale</b>	<b>187,674.00</b>
<b>2020-21</b>	<b>Shale</b>	<b>792,996.00</b>
<b>2021-22</b>	<b>Shale</b>	<b>1,108,143.00</b>

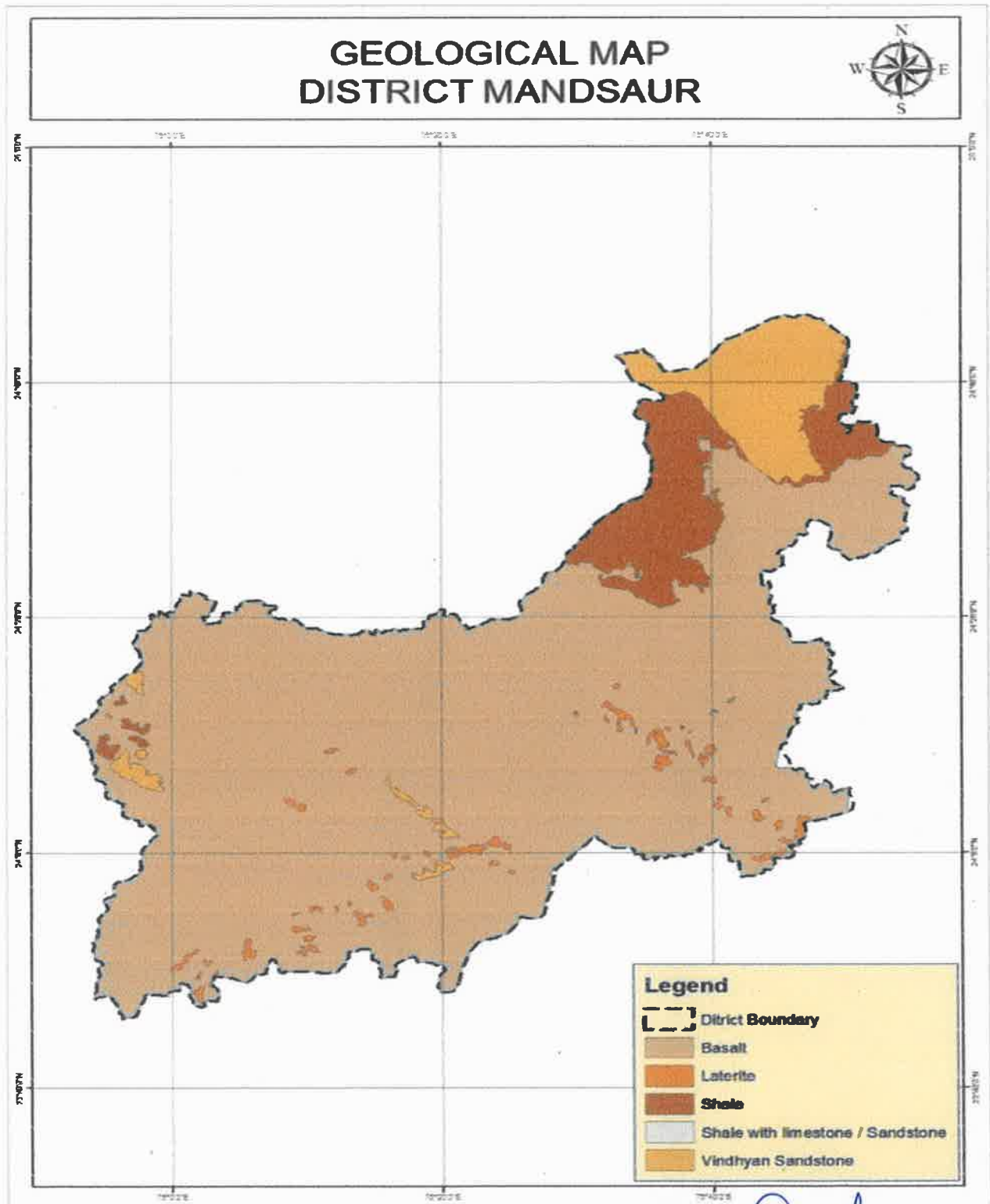
**3. Details of Production of Shale in last three years**

**Table:**

<b>Year</b>	<b>Mineral</b>	<b>Production</b>
<b>2019-20</b>	<b>Shale</b>	<b>3030 Tone</b>
<b>2020-21</b>	<b>Shale</b>	<b>5882 Tone</b>
<b>2021-22</b>	<b>Shale</b>	<b>4725 Tone</b>

  
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4. Mineral Map of the district



*Maul*  
State Level Environment Impact  
Assessment Authority, M.P.  
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C-5, Asha Colony, Bhopal (M.P.)

5. List of Letter of Intent (LOI) Holders in the District along with its validity

None

6. Total Mineral Reserve available in the district

**MINERALWEALTH-**

The district is blessed with favorable geological and geotectonic settings. Rocks ranging from Precambrian to recent era accommodate every episode of mineralisation present.


**Shale**– Shales can be crushed and mixed with water to produce clays that can be made into a variety of useful objects. It is also commercially important. It is used to make brick, pottery, tile, and Portland cement.

7. Uses and Quality /Grade of Mineral available in the district

1	Shale	Brick, pottery, tile, and Portland cement
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8. Demand and Supply of the Mineral in the last three years

SN	Year	Mineral	Supply	Demand
1	2019-20	Shale	3217 tonne	As per market demand
2	2020-21	Shale	13216 tonne	As per market demand
3	2021-22	Shale	18469 tonne	As per market demand

  
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# PART-4

# MINOR MINERAL


# LATERITE

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



2	Laterite	Shri Satish S/o Mahavir Prasad Dardhich	Murli Vilas Road, Bhitwa da Rajasthan	F-3-15/2014/12/1 Date: 17/06/2018	Sarnod	384/1	4.500	11/09/2018	10/09/2048	Na	Na	01/12/2018	Working	Non-Captive	Yes, 195 Date 28/11/2016	23° 52'15.37"N 75°05'39.73"E 23° 52'21.39"N 75°05'40.01"E 23° 52'21.98"N 75°05'40.92"E 23° 52'30.78"N 75°05'42.57"E 23° 52'30.79"N 75°05'44.25"E 23° 52'18.94"N 75°05'44.70"E 23° 52'18.95"N 75°05'44.07"E 23° 52'15.31"N 75°05'43.93"E	24° 08'13.18"N 75°2'11.81"E	Open cast	25 to 30
3	Laterite	Jay Shri Balaji Mines and Minerals Pro.Sagar rui Gurjar	Baliche byepass in front of petrol pump, Udaipur, Rajasthan	F-3-2/2014/12/1 Date 06/07/2018	Pichla	1471	14.200	28/09/2018	27/09/2048	Na	Na	10/10/2018	Working	Non-Captive	Yes, 1972 Date 15/12/2017	24° 11'14.72"N 75°32'3.79"E 24° 11'18.22"N 75°32'13.94"E 24° 10'57.96"N 75°32'6.14"E 24° 10'57.89"N 75°32'17.75"E	24° 11'14.72"N 75°32'3.79"E 24° 11'18.22"N 75°32'13.94"E 24° 10'57.96"N 75°32'6.14"E 24° 10'57.89"N 75°32'17.75"E	Open cast	18 to 20
4	Laterite	Jay Shri Balaji Mines and Minerals Pro.Sagar rui Gurjar	Baliche byepass in front of petrol pump, Udaipur, Rajasthan	F-3-19/2013/12/1 Date 06/07/2018	Makdawan	397	14.200	28/09/2018	27/09/2048	Na	Na	10/10/2018	Working	Non-Captive	Yes, 1980 Date 15/12/2017	24° 11'40.16"N 75°40'1.58"E 24° 11'40.21"N 75°39'44.72"E 24° 11'49.87"N 75°39'47.02"E 24° 11'51.80"N 75°39'50.66"E 24° 11'52.01"N 75°39'54.32"E	24° 11'40.16"N 75°40'1.58"E 24° 11'40.21"N 75°39'44.72"E 24° 11'49.87"N 75°39'47.02"E 24° 11'51.80"N 75°39'50.66"E 24° 11'52.01"N 75°39'54.32"E	Open cast	22 to 25

5	Laterite	Shri Ritesh S/o Laxminarayan Purohit	Ramparjiman di Rajasthan	F-3- 17/2018 /12/1 Date 26/11/2 019	Semlihan kar	1/Me en-1	4.000	06/06/ 2020	09/06/ 2050	Na	Na	09/11/ 2020	Working	Non- Captive	Yes, 1999 Date 29/06/ 2019	24° 10'35.83"N 75°39'16.50"E 24° 10'42.97"N 75°39'17.27"E 24° 10'42.37"N 75°39'28.69"E 24° 10'39.23"N 75°39'28.05"E 24° 10'38.50"N 75°39'18.79"E 24° 10'35.71"N 75°39'18.58"E	Open cast	40 to 43
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 State Level Environment Impact  
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**2. Details of Royalty or Revenue Received in Last Three Years for Laterite**

<b>Year</b>	<b>Mineral</b>	<b>Revenue (InRs.)</b>
<b>2019-20</b>	<b>Laterite</b>	<b>2,234,319.00</b>
<b>2020-21</b>	<b>Laterite</b>	<b>2,156,536.00</b>
<b>2021-22</b>	<b>Laterite</b>	<b>8,572,482.00</b>

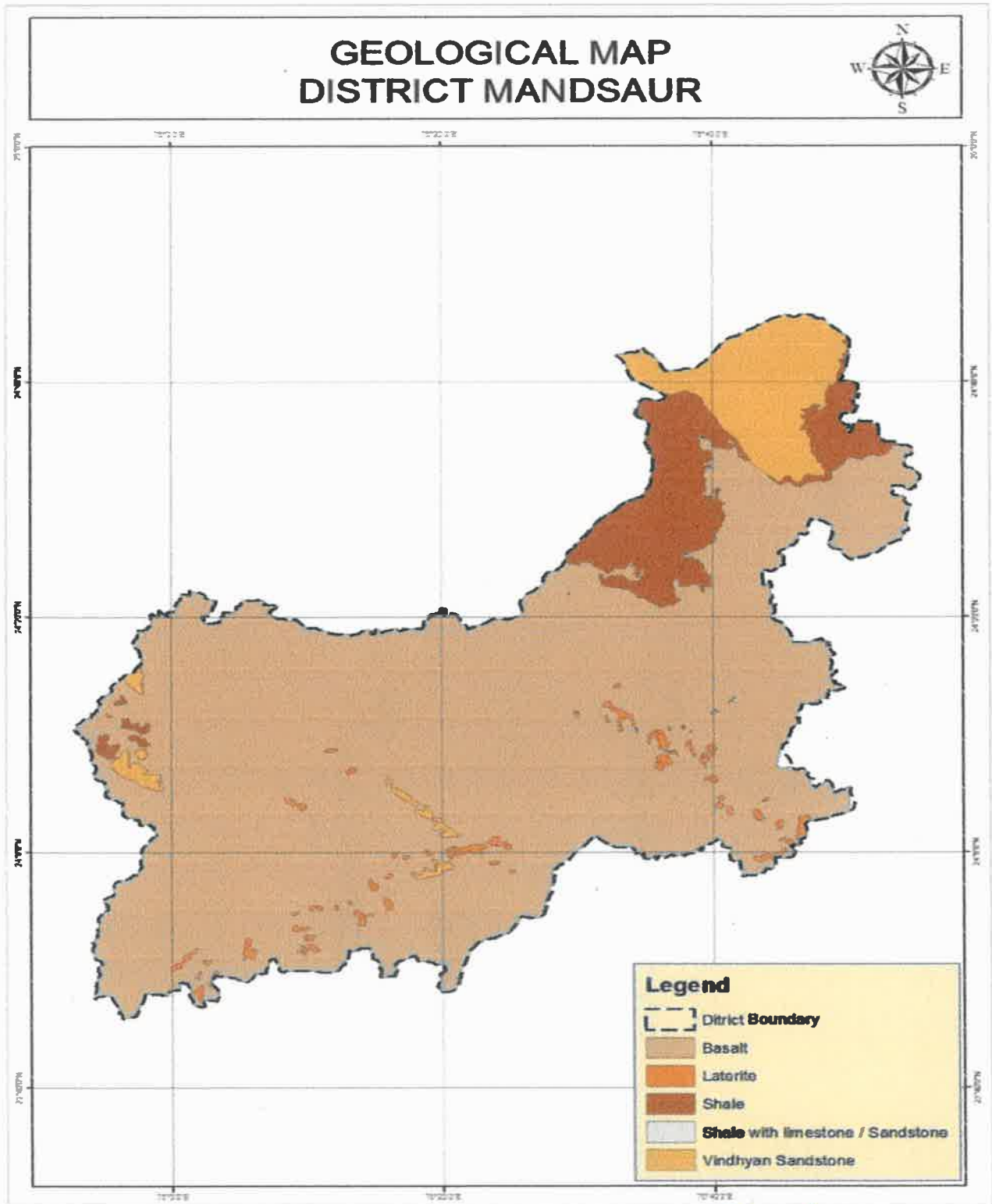
**3. Details of Production of Minor Mineral in last three years**

**Table:**

<b>Year</b>	<b>Mineral</b>	<b>Production</b>
<b>2019-20</b>	<b>Laterite</b>	<b>96656 Tone</b>
<b>2020-21</b>	<b>Laterite</b>	<b>378343 Tone</b>
<b>2021-22</b>	<b>Laterite</b>	<b>81254 Tone</b>

  
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#### 4. Mineral Map of the district



**5. List of Letter of Intent (LOI) Holders in the District along with its validity**

None.

**6. Total Mineral Reserve available in the district**

**MINERALWEALTH-**

The district is blessed with favorable geological and geotectonic settings. Rocks ranging from Meso Proterozoic to recent era accommodate every episode of mineralisation present.

Laterite-Cement grade Laterite is found in the area

**7. Uses and Quality /Grade of Mineral available in the district**

1	Laterite	Cement industry
---	----------	-----------------

**8. Demand and Supply of the Mineral in the last three years**

SN	Year	Mineral	Supply	Demand
1	2019-20	Laterite	27982 tonne	As per market demand
2	2020-21	Laterite	26956 tonne	As per market demand
3	2021-22	Laterite	107156 tonne	As per market demand

  
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9. Impact on the Environment (Air, Water, Noise, Soil, Flora & Fauna, land use, agriculture, forest etc.) due to mining activity;

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

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

**Air:**

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

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

- Gases, such as, Sulphur Dioxide, Oxides of Nitrogen, Carbon Monoxide etc., from vehicular exhaust.
- Dust is the single Air pollutant observed in the open cast mines. Diesel operating drilling machines, small amount of blasting and movement of machinery/vehicles produce gaseous (NO<sub>x</sub> and SO<sub>x</sub>) emissions, usually at low levels. Dust can be of significant nuisance surrounding land user and potential health risk in some circumstances.

**Water Impact:**

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

**Noise:**

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

**Land Environment**

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

**Flora & Fauna**

The impact on bio diversity 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 fauna land 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.



## 10. Remedial Measures to mitigate the impact of mining on the Environment

### A. Air Pollution Control Measures

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

The following measures are proposed to adopted in the minessuchas,

- 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 road sand overburden dumps will help in reducing considerable dust pollution.
- Proper and regular maintenance of mining equipment's have to be considered.
- Transport of material in trucks covered with tarpaulin.
- The mine pit water can be utilized for dust suppression in and around mine areas.
- Information on wind direction and meteorology will be considered while planning, so that pollutants, which can not be fully suppressed by engineering technique, will be prevented from reaching the near by agriculture area.
- Comprehensive green belt around overburden dumps has to be carried out to reduce to fugitive dust emission in or dertocreate clean and heal the environment.

### B. Noise Pollution Control Measures

- 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 ear plugs to workers exposed to high noise generating activities. Workers and operators at worksite will be provided with ear muffs.
- Conducting periodical medical check-up of all workers for any noise related heal the 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 habitation stoassess efficacy of adopted control measures.
- During the blasting, optimum Spacing, Burden and charging of holes will be made under the supervision of competent qualified mines foreman, Mate as approved by Director of Mines safety.

### **C. Water Pollution Control Measures**

- 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 weepholes will be constructed around the mine boundaries to arrest silt wash off.
- The mine dust pits shall be converted into the water reservoir at the end of mine life. This will help in recharging groundwater table by acting as a water harvesting structure.
- Periodic analysis of mine pit water and groundwater quality in near by villages.
- Domestic sewage from site office & urinals/latrines provided in ML is discharged in septic tank followed by soak pits.

### **D. Land Environment Safety Measures**

- Riparian vegetation should be developed that doesn't stress with changes over short period of time.
- Safety barrier zone should be left out in order to prevent quicks and condition or rapid erosion of river banks
- Development of suitable green belt 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.

### **E. Biological Environment Safety Measures**


- Development of gap filling saplings in the safety barrier left around the quarry area.
- Carrying out thick green belt with local flora species predominantly with long canopy leaves on the inactive mine dust 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 weepholes will be constructed around the mine boundaries to arrest silt wash off.

**11. Reclamation of Mined out area (best practice already implemented in the district, requirement as per rules and regulation, proposed reclamation plan)**

Reclamation – Reclamation means return the mined-out land with useful life. It implies restoring the land to a form and productivity that is useful and in conformity with a prior land use. Reclamation always may not be a single phase operation. ii. Rehabilitation – Rehabilitation is to bring back the degraded land to a normal stage by a special treatment. It is a process of taking some mitigation measures for disturbed environmental condition created through mining activities. iii. Restoration – Restoration is the process of returning the mined out land being fit to an acceptable environmental condition. However, the general acceptable meaning of the term is bringing the disturbed land to its original form. Restoration is often used to indicate that biological properties of soil are put back to what they were. This is a rare phenomenon. iv. When active mining ceases, mine facilities and the site are reclaimed and closed.

**12. Risk Assessment & Disaster Management Plan**

Mining activity because of the very nature of the operation, complexity of the systems, procedures and methods always involves some amount of hazards. Hazard identification and risk analysis is carried for identification of undesirable events that can lead to a hazard, the analysis of hazard mechanism by which this undesirable event could occur and usually the estimation of extent, magnitude and likelihood of harmful effects. The activities which can cause high risk related to face stability and the person blasting the shots. It was observed that on a working face of the mine, there were large cracks and unsupported rocks were present, which can lead to a serious hazard and injure workers engaged in loading operation and machineries because of rock falls or slides. This type of condition turn out because improper dressing of the bench and improper supervision. To avoid the hazards due to fall of rocks the face must be examined, made suitable for working and the remedial measures must be taken to make it safe if there is any doubt that a collapse could take place. Working of the face should be in the direction taking into account the geology of the area such that face and quarry side remain stable. Another major risk identified in mines is due to the firing of explosive by an unqualified person. In the mines there is problem of fly rocks and the village is located close to the mine and so it is rated high as it can affect many people. Explosives by nature have the potential for the most serious and catastrophic accident. Planning of round of shots, holes correctly drilled, direction logged, weight of explosive suitable for good fragmentation are the few of the steps necessary to ensure its safe use and if the shots are not properly designed can result in misfires, early ignition and flying rocks. No person is allowed to use explosives without being properly trained in its handling. In the mine a large

  
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**13. Details of the Occupational Health issues in the district. (Last five-year data of number of patients of Silicosis & Tuberculosis is also needs to be submitted)**

The persons employed in the mines are exposed to a number of hazards at work which adversely affect their health. Some of the important ones are dust, noise, heat, humidity, vibration etc.

Almost all occupational diseases can be prevented by adopting proper occupational health measures and engineering control on airborne dust pollution at workplace. Occupational Diseases in mines or industry is required to conduct medical examinations and health surveillance of workers as per the provisions of Mines Act. The essential features of health surveillance programme required to be carried out in mines are:

- (a) Initial Medical Examination of persons to be conducted at the time of appointment.
- (b) Periodic Medical Examination or General physical examination to be conducted once in every year.
- (c) Patients of silicosis disease in last 5 years

Sr. No	Year	Number of patients
1	2017-18	16
2	2018-19	08
3	2019-20	00
4	2020-21	28
5	2021-22	19

**(d) Patients of Tuberculosis disease in last 5 years**

Sr. No	Year	Number of patients
1	2017-18	1714
2	2018-19	3742
3	2019-20	3673
4	2020-21	2132
5	2021-22	3138

**14. Plantation and Green Belt development in respect of leases already granted in the district**

During mining operation green belt development through plantation is most important for environment safe guard. In the Mandsaur district mining department organised a huge plantation programme in rainy season in every year.

**Conclusion**

After doing all exercise it can be said that Mandsaur district have good mineral potential as well as variety of minerals. Geological studies of the area indicate that many minerals like Murum, Laterite, Gitti and Shale are closely associated with same group of rocks. So with preventive measure, skilled, systematic and scientific mining district has rich mineral resources to contribute for growth of state as well as nation.



Final

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# DISTRICT SURVEY REPORT OF MANDSAUR DISTRICT FOR SAND



## MINERAL RESOURCES DEPARTMENT

YEAR-2022

MANDSAUR DISTRICT

IN COMPLIANCE OF MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE  
CHANGE, NOTIFICATION DATED: 15.01.2016

State Level Environment Impact  
Assessment Authority, M.P.  
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Parvati  
F.S.

जि.म.अ. अधिकारी  
खनिज शाखा  
जिला-मन्दासौर



कार्यालय कलेक्टर (खनिज शाखा) जिला मंदसौर म.प्र.

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कमांक/2096 / खनिज / 2022  
प्रति

मंदसौर दिनांक 22/09/2022

सदस्य सचिव,  
सेक  
भोपाल (म.प्र.)

मंदसौर

विषय:- मंदसौर जिले की गौण खनिज रेत की जिला सर्वेक्षण रिपोर्ट 2022 (अद्यतन) प्रस्तुत करने बाबत।

संदर्भ:- 595 वीं. राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति की बैठक दिनांक 22 सितंबर 2022।

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उपरोक्त विषयांतर्गत निवेदन है कि 595 वीं. राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति की बैठक दिनांक 22 सितंबर 2022 में जिला मंदसौर की रेत खनिज की जिला सर्वेक्षण रिपोर्ट 2022 प्रस्तुत की गई थी।

बैठक में प्रदत्त निर्देशानुसार अद्यतन जिला सर्वेक्षण रिपोर्ट पत्र के साथ सलग्न सादर प्रस्तुत है।

सलग्न:- उपरोक्तानुसार।

पृ.कमांक 2097 / खनिज / 2022,  
प्रतिलिपि:-

1. सदस्य सचिव, सिया भोपाल म.प्र. की ओर सूचनार्थ प्रेषित।
2. संचालक, प्रशासन एवं खनिकर्म, भोपाल की ओर सूचनार्थ प्रेषित।

प्रभारी अधिकारी  
खनिज शाखा  
जिला मंदसौर म.प्र.  
मंदसौर, दिनांक 22/09/2022

प्रभारी अधिकारी  
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क्रमांक/2096 / खनिज / 2022  
प्रति,

मंदसौर, दिनांक 22/09/2022

सदस्य सचिव,  
सेक  
भोपाल (म.प्र.)

विषय:— मंदसौर जिले की गौण खनिज रेत की जिला सर्वेक्षण रिपोर्ट 2022  
(अद्यतन) प्रस्तुत करने बाबत।


संदर्भ:— 595 वीं. राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति की बैठक दिनांक 22 सितंबर  
2022।

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उपरोक्त विषयांतर्गत निवेदन है कि 595 वीं. राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति की बैठक दिनांक 22 सितंबर 2022 में जिला मंदसौर की रेत खनिज की जिला सर्वेक्षण रिपोर्ट 2022 प्रस्तुत की गई थी।


बैठक में प्रदत्त निर्देशानुसार अद्यतन जिला सर्वेक्षण रिपोर्ट पत्र के साथ सलंगन सादर प्रस्तुत है।

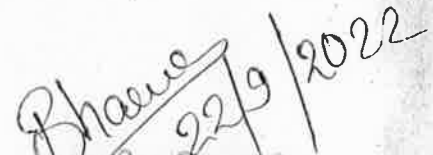
सलंगन:— उपरोक्तानुसार।

  
प्रभारी अधिकारी  
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जिला मंदसौर म.प्र.  
मन्दसौर, दिनांक 22/09/2022

पृ.क्रमांक 2097 / खनिज / 2022,  
प्रतिलिपि:—

1. सदस्य सचिव, सिया भोपाल म.प्र. की ओर सूचनार्थ प्रेषित।
2. संचालक, प्रशासन एवं खनिकर्म, भोपाल की ओर सूचनार्थ प्रेषित।

  
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क्रमांक / 2096 / खनिज / 2022  
प्रति,

मंदसौर, दिनांक 22/09/2022

सदस्य सचिव,  
सेक  
भोपाल (म.प्र.)

विषय:- मंदसौर जिले की गौण खनिज रेत की जिला सर्वेक्षण रिपोर्ट 2022  
(अद्यतन) प्रस्तुत करने बाबत।

संदर्भ:- 595 वीं. राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति की बैठक दिनांक 22 सितंबर  
2022।

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उपरोक्त विषयांतर्गत निवेदन है कि 595 वीं. राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति की बैठक दिनांक 22 सितंबर 2022 में जिला मंदसौर की रेत खनिज की जिला सर्वेक्षण रिपोर्ट 2022 प्रस्तुत की गई थी।

बैठक में प्रदत्त निर्देशानुसार अद्यतन जिला सर्वेक्षण रिपोर्ट पत्र के साथ सलंगन सादर प्रस्तुत है।

सलंगन:- उपरोक्तानुसार।

पृ.क्रमांक 2097 / खनिज / 2022,  
प्रतिलिपि:-

1. सदस्य सचिव, सिया भोपाल म.प्र. की ओर सूचनार्थ प्रेषित।
2. संचालक, प्रशासन एवं खनिकर्म, भोपाल की ओर सूचनार्थ प्रेषित।

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Bhawe 22/9/2022  
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मन्दसौर, दिनांक 22/09/2022

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In pursuance to the Gazette Notification, Ministry of Environment, Forest and Climate Change (MoEF& CC), the Government of India Notification No.S.O.141(E)Appendix- X, Dated 15.01.2016 & S.O. 3611 (E) New Delhi, 25<sup>th</sup>July 2018 laid procedure for preparation of District Survey Report of sand mining or river bed mining keeping in mind the "Sustainable Sand Management Guidelines 2016" which focuses on the Management of Sand Mining in the Country and "Enforcement & Monitoring Guidelines for Sand Mining-2020" which focus on prevention of illegal mining in the country.

The Ministry of Environment, Forests & Climate Change (MoEFCC), Government of India, made Environmental Clearance (EC) for mining of minerals mandatory through its Notification of 27th January, 1994 under the provisions of Environment Protection Act, 1986.

Keeping in view the experience gained in environmental clearance process over a period of one decade, the MoEFCC came out with Environmental Impact Notification, SO 1533 (E), dated 14th September 2006. It has been made mandatory to obtain environmental clearance for different kinds of development projects as listed in Schedule-1 of the Notification.

Further, In pursuance to the order of Hon'ble Supreme Court dated the 27th February, 2012 in I.A. No.12- 13 of 2011 in Special Leave Petition (C) No.19628-19629 of 2009, in the matter of Deepak Kumar etc. Vs. State of Haryana and Others etc., prior environmental clearance has now become mandatory for mining of minor minerals irrespective of the area of mining lease;

And also in view of the Hon'ble National Green Tribunal, order dated the 13th January, 2015 in the matter regarding sand mining has directed for making a policy on environmental clearance for mining leases in cluster for minor Minerals,

The Ministry of Environment, Forest and Climate Change in consultation with State governments has prepared Guidelines on Sustainable Sand Mining detailing the provisions on environmental clearance for cluster, creation of District Environment Impact Assessment Authority and proper monitoring of minor mineral mining using information technology and information technology enabled services to track the mined out material from source to destination.

The SEIAA and SEAC will scrutinize and recommend the prior environmental clearance of mining of minor minerals on the basis of District Survey Report. This will a model and guiding document which is a compendium of available mineral resources, geographical set up, environmental and ecological set up of the district and replenishment of minerals and is based on data of various departments, published reports, journals and websites. The District Survey Report will form the basis for application for environmental clearance, preparation of reports and appraisal of projects. The Report will be updated once every five years.

The main objective of the preparation of District Survey Report (as per the Sustainable Sand Mining Guideline) is to ensure the following -

- (i) Identification of areas of aggradations or deposition where mining can be allowed; and
- (ii) Identification of areas of erosion and proximity to infrastructural structures and installations where mining should be prohibited and calculation of annual rate of replenishment and allowing time for replenishment after mining in that area.
- (iii) Identification of mineral wealth in the district.

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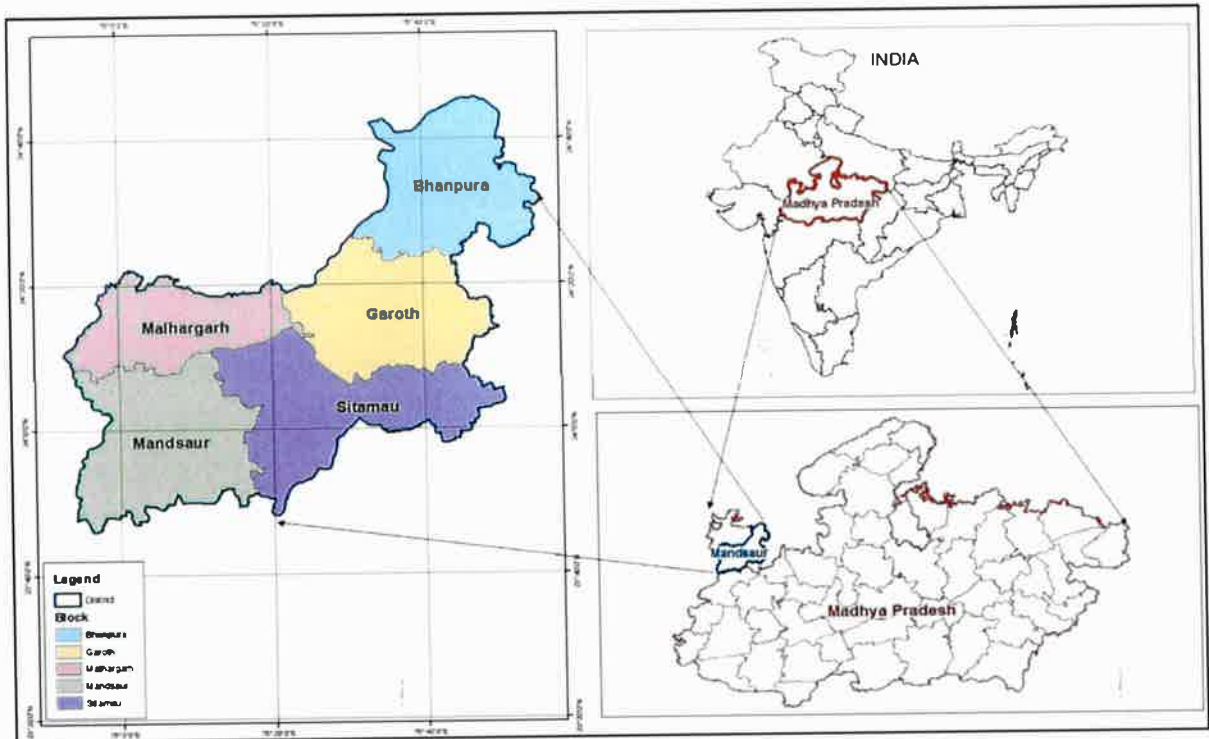
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## 1. Introduction

Mandsaur district is located on northwest part of Madhya Pradesh state. It is one of the important tribal district of Malwa regions of Madhya Pradesh. The district is bounded by Neemuch district in the north, Ratlam district in the south, Banswara district of Rajasthan state in the west and Jhalawar district of Rajasthan state in the east. The district area extends between the parallels of latitude  $23^{\circ}46'$  and  $24^{\circ}45'$  north and between the meridians of longitude  $74^{\circ}44'$  and  $75^{\circ}54'$  east, and it is falling in the Survey of India Topo Sheet No. 45P and 46M.



LOCATION MAP OF THE DISTRICT

In past three decades industries had rapidly grown up in the district. Mandsaur is mainly agriculture-based district and its cropping pattern is diversified. Mandsaur district is well connected by roads and rail.

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पर्यावरण प्रदूषण नियंत्रण  
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The total geographical area of the district is 5535 Sq.Km, with a population of 36, 51,183 according to census 2011. The details of administrative units are given in Table. The details of administrative units are also has been depicted in Fig. Administrative units of Mandsaur district, Madhya Pradesh.

Administrative set up of the district

Sub-Division	Tehsil	NumberOfVillages
Mandsaur	Mandsaur	168
	Malhargarh	174
	Sitamau	173
	Suvasara	78
	Bhanpura	96
	Garoth	107
	Shamgarh	98
	Daloda	61
<b>Total</b>	<b>8</b>	<b>955</b>

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*Abhishek*  
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## 2. Over view of Mining Activity in the District

The mineral which are economic for the district are large amounts of nodular and coralline limestone. It proves to be economic as it is important for cement industries. Cement industries are prominent industries in the district due to availability of limestone with CaO ranging from 48-52%. State is the sole producer of slate in the country. White and red colored slate (calcareous shale) found in the Mandsoor district used mainly in producing state pencil. Other mineral that occur in the State are Iron ore (hematite).

Table 2 Minerals mined in the District

Mineral		Area in ha
Minor	Gitti	267.055
	Laterite	47.18
	Murram	12.00
	Shale	53.505
	Sand	77.68
	<b>Total</b>	<b>457.420</b>

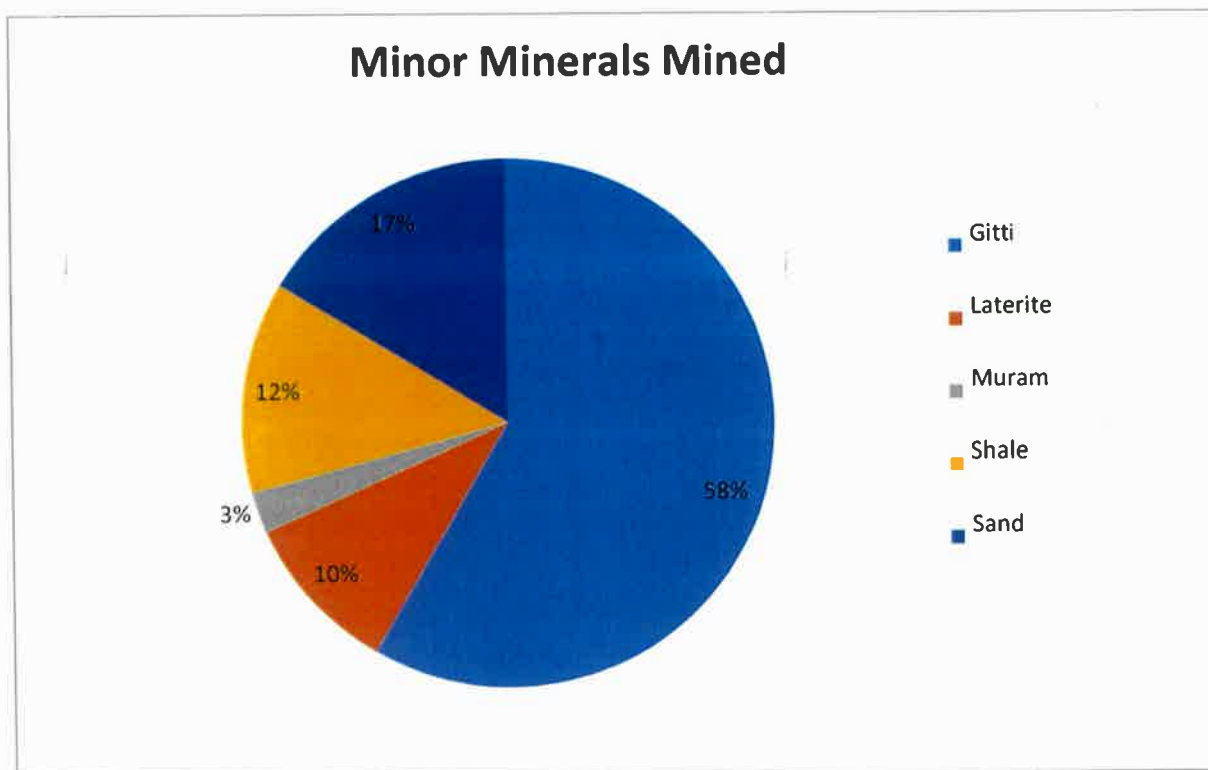


Figure 3 Mineral Mining in the District

  
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3. The List of Mining Leases in the District with location, area , Mineral Potential, Mine Length, Widht etc.

(i) Portion of the River or Stream Recommended for Mineral Concession

S.No.	Name of the River or Stream	Portion of the River or Stream Recommended for Mineral Concession	Length of area recommended for Mineral Concession (in meters)	Average width of area recommended for mineral concession (in meters)	Average Depth of area recommended for mineral concession (in meters)	Average Volume recommended for mineral concession (in Cubic meter)	Mineable mineral potential (in Cubic meters 60% of total mineral Potential)	Mineable mineal potential (in M.T. 60% of total mineral potential)	Quantity of Sand Mineral production per annum since last 3 Year (in Cum)		
									2019-20	2020-21	2021-22
1	Chambal	3	4	5	6	7	8	9	10	11	12
1	Chambal	Khaikheda	68	50	1.00	3400	2040	2856	970	0	0
2	Chambal	Khajurinaag	100	34	1.00	3400	2040	2856	965	0	0

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खनिज शाखा  
प्रशासिकाधिकारी

3	Chambal	Meriyakhedi	100	17	1.00	1700	1020	1428	0	1199	0
4	Chambal	Tatka	50	34	1.00	1700	1020	1428	0	0	0
5	Chambal	Dhaturiya	125	40	1.00	5000	3000	4200	0	1080	0
6	Chambal	Jetpura	100	17	1.00	1700	1020	1428	0	1078	0
7	Chambal	Gopalpura	85	20	1.00	1700	1020	1428	0	1198	0
8	Chambal	Mamatkheda	100	34	1.00	3400	2040	2856	0	1080	0
9	Chambal	Parsi	200	17	1.00	3400	2040	2856	0	1199	0
10	Chambal	Ekalgarh	60	20	1.00	1200	720	1008	0	1064	0



11	Retam	Parli	75	20	1.00	1500	900	1260	3270	0	0
12	Retam	Arniya Jatiya	100	25	1.00	2500	1500	2100	2870	0	0
13	Retam	Antrikhurd-A	100	20	1.00	2000	1200	1680	3050	0	0
14	Chambal	Borkhedi	150	20	1.00	3000	1800	2520	2140	0	0
15	Shivna	Nandawta	100	10	1.00	100	60	84	1230	0	0
16	Chambal	Arniya Gour	100	45	1.00	4500	2700	3780	0	0	0
17	Chambal	Shakkarkhedi Jagir	100	15	1.00	1500	900	1260	0	0	0
18	Chambal	Shakkarkhedi	100	35	1.00	3500	2100	2940	0	0	0
19	Chambal	Guradiya Gour	50	20	1.00	1000	600	840	0	477	0
20	Shivna	Ranayra	139	10	1.00	1390	834	1167.6	0	102	0
21	Kanthariya	Basgon	120	10	1.00	1200	720	1008	0	1097	0

**Note- In the River Sand, The occurrences of sand is found in the patches so that the quantity of sand less in comperision with mines Area**

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(ii) Table

S.No.	Name of the River or Stream	Total Length in the District (In km)	Place of Origin	Altitude at origin (in Meters)	Name of Mine	Average area recommended for mineral concession (in square meters X Average depth in Meters)	Sand Availability Area in square meters
1	2	3	4	5	6	7	8
1	Chambal	132.91 km	Janapav(Village Vindhay nRange)	456m	Khaikheda	45000	12000
2	Chambal	132.91 km	Janapav(Village Vindhay nRange)	456m	Khajurinaag	50000	15000
3	Chambal	132.91 km	Janapav(Village Vindhay nRange)	456m	Meriyakhedi	45000	10000
4	Chambal	132.91 km	Janapav(Village Vindhay nRange)	456m	Tatka	40000	15000

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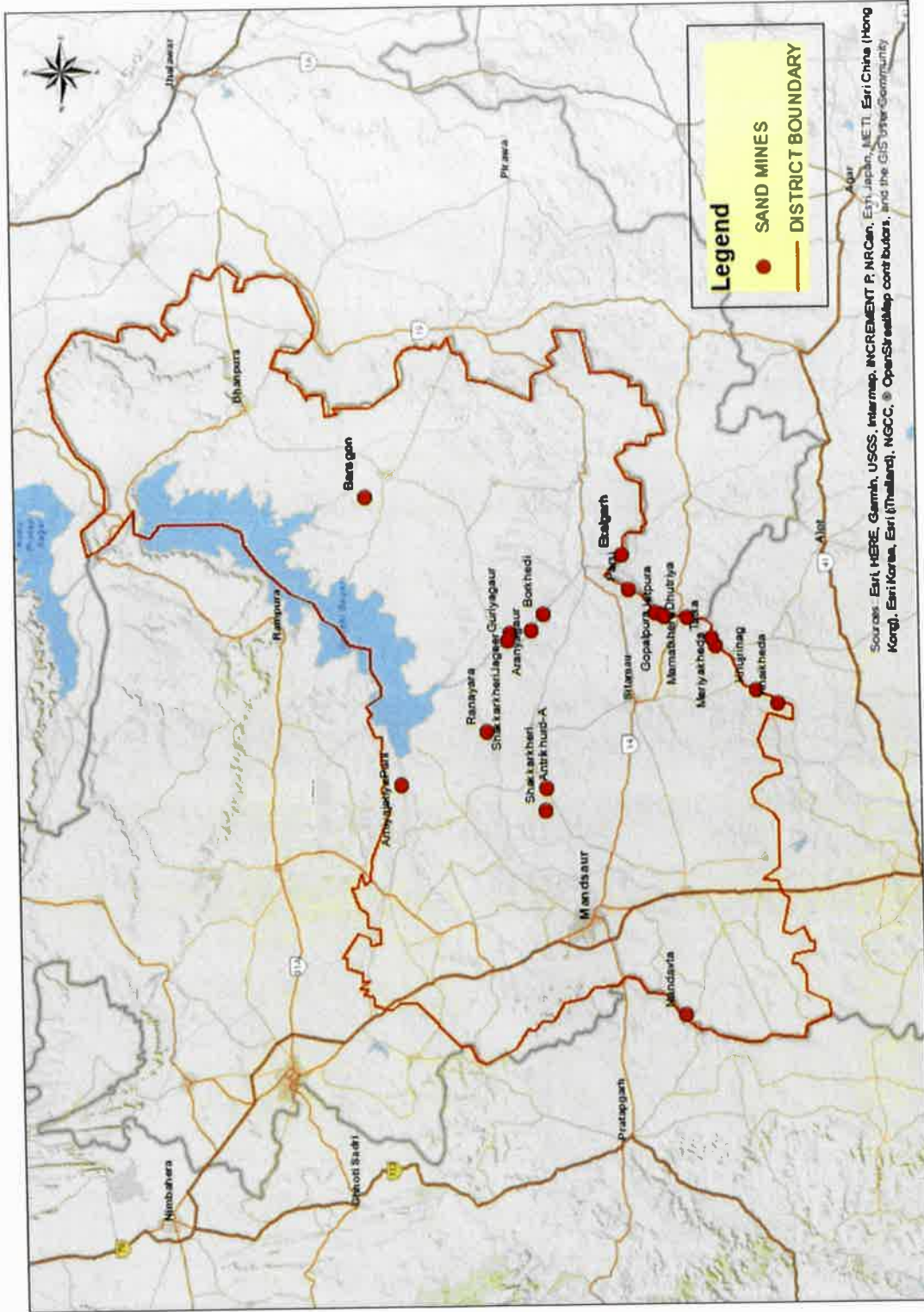
5	Chambal	132.91 km	Janapav(VillageVindhay nRange)	456m	Dhaturiya	40000	10000
6	Chambal	132.91 km	Janapav(VillageVindhay nRange)	456m	Jetpura	40000	10000
7	Chambal	132.91 km	Janapav(VillageVindhay nRange)	456m	Gopalpura	45000	12000
8	Chambal	132.91 km	Janapav(VillageVindhay nRange)	456m	Mamatkheda	40000	15000
9	Chambal	132.91 km	Janapav(VillageVindhay nRange)	456m	Parsi	40000	15000
10	Chambal	132.91 km	Janapav(VillageVindhay nRange)	456m	Ekalgarh	40000	12000
11	Retam				Parli	20000	8000
12	Retam				Arniya Jatiya	20000	8000
13	Retam				Antrikhurd-A	20000	8000
14	Chambal	132.91 km	Janapav(VillageVindhay nRange)	456m	Borkhedi	20000	8000

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**SAND MINING AREA IS MARKED ON THE DISTRICT MAP**

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4. List of Sand Mines Dist. Mandasaur with Coordinates

Sr. No	Name of Mines	Tehsil	Khasra No.	Area (In hac.)	Coordinates
1	Khaikheda	Sitamau	57	4.500	A- N 23°49'21.46" E75°21'14.92" B-N23°49'20.97" E75°21'17.12" C-N23°48'58.86"E75°21'10.88" D-N23°48'58.74"E75°21'12.54" A-N23°51'17.66"E75°21'52.30" B-N23°51'17.56"E75°21'54.41" C-N23°50'51.51"E75°21'45.52" D-N23°50'51.74"E75°21'43.71" A-N23°54'10.12"E75°25'41.92" B-N23°54'12.7"E75°25'37.0" C- N23°54'22.7"E75°25'41.8" D-N23°54'21.3"E75°25'44.9"
2	Khajurinaag	Sitamau	778	5.000	A-N23°54'33.1"E75°25'57.0" B- N23°54'12.7"E75°25'57.3" C- N23°54'24.1"E75°26'06.8" D-N23°54'28.0"E75°26'09.0" A-N23°56'36.4"E75°27'50.3" B- N23°56'36.3"E75°27'51.1" C- N23°56'50.7"E75°27'57.9" D-N23°56'50.8"E75°27'55.6"
3	Meriyakhedi	Sitamau	1039	4.500	A-N23°58'19.6"E75°28'05.0" B- N23°58'17.5"E75°28'09.4" C- N23°58'28.2"E75°28'12.8" D-N23°58'28.7"E75°28'08.08"
4	Tatka	Sitamau	383,338 (578 New)	4.000	A-N23°58'19.56"E75°28'05.05" B- N23°58'17.52"E75°28'09.45" C- N23°58'28.19"E75°28'12.08" D-N23°58'28.68"E75°28'08.95"
5	Dhaturiya	Sitamau	845	4.000	
6	Jetpura	Sitamau	122	4.000	
7	Gopalpura	Sitamau	938	4.500	

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8	Mamatkheda	Sitamau	346	4.000	A-N23°58'46.9"E75°28'04.6" B- N23°58'45.2"E75°28'18.7" C- N23°58'51.6"E75°28'30.0" D-N23°58'54.4"E75°28'32.5" A-N24°00'47.4"E75°30'37.4" B- N24°00'45.6"E75°30'39.5" C- N24°00'57.8"E75°30'49.9" D-N24°00'59.8"E75°30'47.3" A-N23°55'47.8"E75°32.9" B- N23°55'48.3"E75°35.9" C- N23°56'03.1"E75°39.7" D-N23°56'02.5"E75°36.7"
9	Parsi	Sitamau	624	4.000	A-N24°18'54.73"E75°14'46.09" B- N24°18'50.68"E75°14'46.38" C- N24°18'50.84"E75°14'51.95" D-N24°18'50.02"E75°14'51.85" A-N24°18'54.73"E75°14'46.09" B- N24°18'50.68"E75°14'46.38" C- N24°18'50.84"E75°14'51.95" D-N24°18'50.02"E75°14'51.85"
10	Ekalgarh	Sitamau	617	4.000	A-N24°07'35.43"E75°14'25.24" B--N24°07'37.74"E75°14'30.67" C- N24°07'31.33"E75°14'30.77" D-N24°07'33.30"E75°14'33.02" A-N24°07'35.43"E75°28'00.89" B- N24°07'37.74"E75°28'03.98" C-N24°07'31.33"E75°28'05.35" D-N24°07'33.30"E75°28'08.40" A-N23°57'30.50"E74°55'58.25" B- N23°57'37.29"E74°56'27.52" C- N23°57'35.16"E74°56'28.32" D-N23°57'28.28"E74°55'58.56"
11	Parli	Malhargarh	1	2.000	
12	Arniya Jatiya	Malhargarh	1	2.000	
13	Antrikhurd-A	Malhargarh	76	2.000	
14	Borkhedi	Sitamau	1162	2.000	
15	Nandawta	Daloda	2	5.000	



(ii) Sanctioned Auction Quarry for Sand

NIL

(iii) Operating Quarry for Sand

NIL

5. Details of Royalty or Revenue Received in Last Three Years of sand

Year	Mineral	Revenue (InRs.)
2019-20	Sand	2109439
2020-21	Sand	2427875
2021-22	Sand	0

6. Detail of Production & Supply of Sand or Bajari in last Three Years:

Year	Mineral	Production	Supply
2019-20	Sand	14495 Cum	8437 cum
2020-21	Sand	9574 Cum	9161 cum
2021-22	Sand	0	0

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## 7. Process of Deposition of Sediments in the rivers of the

### District Process—

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

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

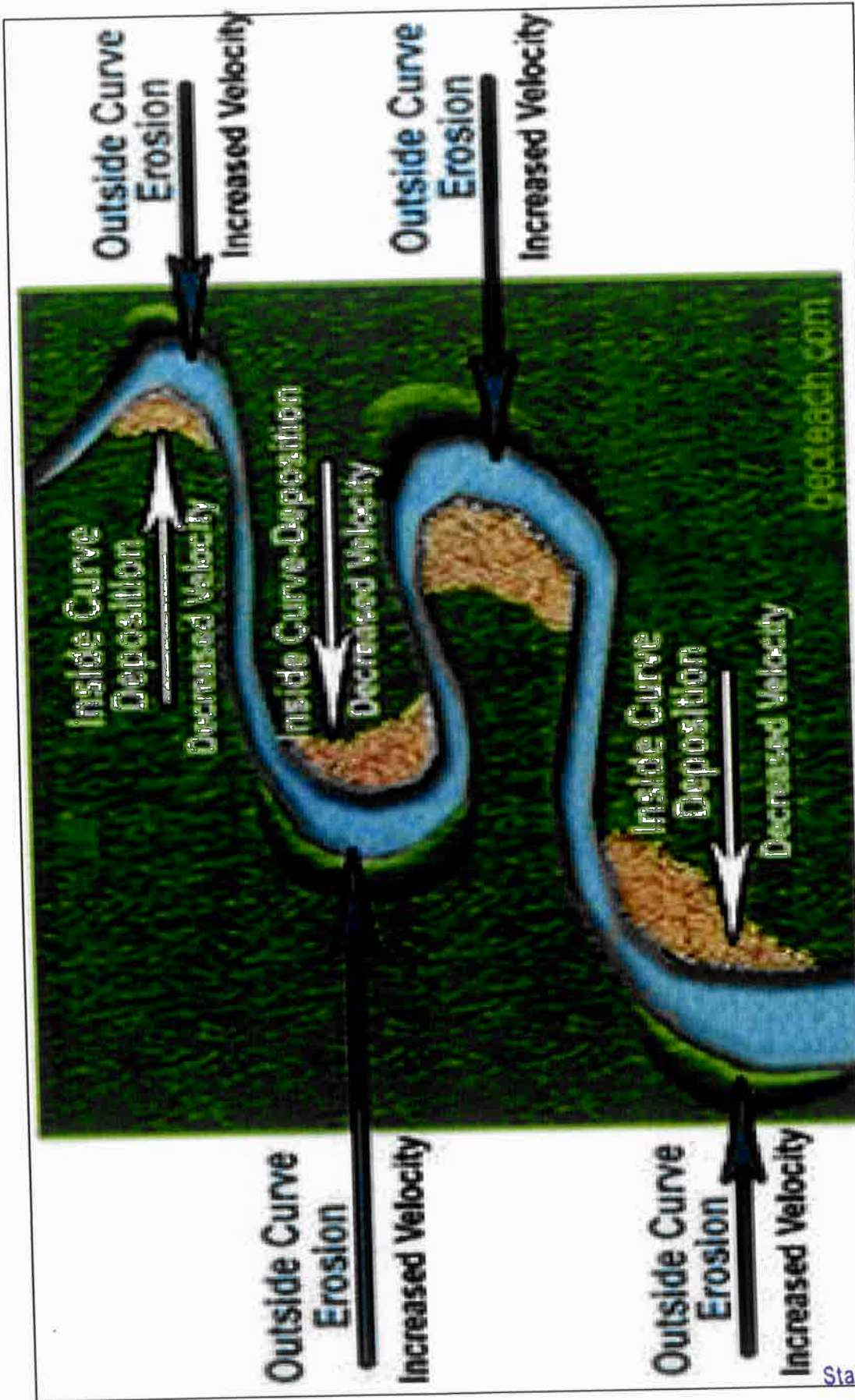
- Cities tend to be located near rivers so transport costs are low, the energy in a river grinds rocks into gravels and sands.
- Eliminating the costly step of mining, grinding and sorting of rocks.
- The material produced by rivers tends to consist of resilient minerals of angular shape that are preferred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

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

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

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





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## SEDIMENTATION YIELD and PRODUCTION

The Universal Soil Loss Equation (USLE) is a widely used mathematical model to compute sedimentation yield from a river bed. Soil erosion within watersheds results in sedimentation which gets deposited along the river course. The rainfall energy interacts with terrain parameter and results in water induced soil erosion. It comprises of sequential actions viz. detachment of particles from soil mass, transportation of soil particles. The parameters like soil characteristics, terrain slope length & steepness, land-use/land-cover and land management practices are considered as given below in the empirical equation (Source: Auckland Regional Council Land facts S-05, "Estimating Sedimentation Yield Using Universal Soil Loss Equation (USLE)".)

$$A = R \times K \times L \times S \times C \times P \times SD \times SE$$

Where,

A = Sedimentation Yield, (tons/annum)

R = Rainfall Erosion Index, (J/ha)

K = Soil Erodibility Factor (tons/unit of R)  
L = Slope Length and Steepness Factor

C = Ground Cover Factor

P = Roughness Factor

SD = Sediment Delivery

SE = Sediment Control Efficiency

### Calculation of Sedimentation Yield for Proposed Project Site:

Using USLE, Year-wise Sedimentation Yield is calculated. All the parameters for the USLE and Sedimentation Yield is given below in Table.

Parameters for the USLE and Sedimentation Yield

Parameters
Rain fall Erosion Index, (J/ha)
Soil Erodibility Factor (tons/unit of R)
Slope Length and Steepness Factor
Ground Cover Factor
Roughness Factor
Study Area (ha)
Time (Years)
Sediment Delivery Ratio
Sediment Control Efficiency
Sedimentation Yield, (tons/annum)
Drainage Area (ha)
Lease Area (ha)
<b>Sedimentation Yield for the Site</b>

After extraction of the mineral from the Reserve, the remaining Reserve as well as sediment replenishment of that year will be available for extraction every next year. As the sediment control efficiency will gradually increase every year due to increase in mining activity, the sedimentation yield will also increase every year.

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Other Details areas under:

S.No	Particular	Statistics
1)	General Information	
	Geographical Area	5,535km <sup>2</sup>
	Administrative Division/Number of Tehsil	5/5
	No.of Panchayat/Villages	944
	Population (As per Census 2011)	13,39,832
	Average Annual Rainfall	657.3
2)	Geomorphology	
	Major Physiographic Units	Plain area, Upland and undulating topology, Chambal and Sivna valley.
	Major Drainage	Chambal River, Sivna River, Awan River
3)	Land use (Km <sup>3</sup> )	
	Forest Area	386.00
	Net area sown	3587.00
	Gross cropped area	3587.00
4)	Major Soil Types	Sandy and black cotton soil.
5)	Area under Principal Crops	Paddy, Wheat, Gram etc.
	Irrigation By Different Sources	No.
	Dug wells	106052
	Tube Wells/Borewells	7606
	Tanks/Ponds	28
	Canals	8
	Other Sources	-
	Net Irrigated Area	-
	Gross Irrigated Area	-
6)	Number of Ground Water Monitoring Wells of CGWB (31.03.2013)	
	Number of Dug Wells	25
	No. Piezometers	24
7)	Hydrogeology	
	Major Water Bearing Formation	Sandy Alluvium, Weathered and vesicular basalt, flow contacts & fractured sandstone.
	Pre-Monsoon depth to Water level During 2012	4.4 to 25.4 m bgl
	Post Monsoon depth to water level During 2012	1.2 to 11.35 m bgl (Pre monsoon)
8)	Efforts of artificial Recharge & Rain Water Harvesting	
	Projects completed by CGWB (No. & Amount Spent)	Nil
	Projects under technical guidance of CGWB (Numbers)	Nil
10)	Ground Water Control and regulation	
	Number of Over - Exploited Blocks	2- Mandsaur & Sitamau
	Number of Semi-Critical Blocks	2- Bhanpura & Malhargarh
	Number of Safe Blocks	1- Garoth
	Number of Blocks Notified	2- Mandsaur and Sitamau block
11)	Major Ground water problem and issues	Depletion of water levels

9. **Land Utilization Pattern in the district: Forest, Agriculture, Horticulture, Mining etc. (Area in Hect.)**  
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 a change 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 refer stoman's activities.

**LAND USE PATTERN OF THE STUDY AREA**

Sr. No.	Class	Area in Ha.	Percentage of coverage
1	Agricultural Plantation	6758.04	1.243
2	Aquaculture	11.70	0.002
3	Barrenrocky	5249.41	0.965
4	Cropland	387260.77	71.203
5	Deciduous(Dry/Moist/Thorn)	17149.88	3.153
6	Fallowland	2351.37	0.432
7	Gullied/Ravinous land	1384.15	0.254
8	Industrial	528.68	0.097
9	Lake/Ponds	1758.86	0.323
10	Mining /Quarry	921.52	0.169
11	Reservoir/Tank	42638.60	7.840
12	River	2057.07	0.378
13	Rural	8359.09	1.537
14	ScrubForest	20698.42	3.806
15	Scrubland	44183.37	8.124
16	Tree Clad Area	255.88	0.047
17	Urban	2315.06	0.426
	<b>Total</b>	<b>543881.87</b>	<b>100.000</b>

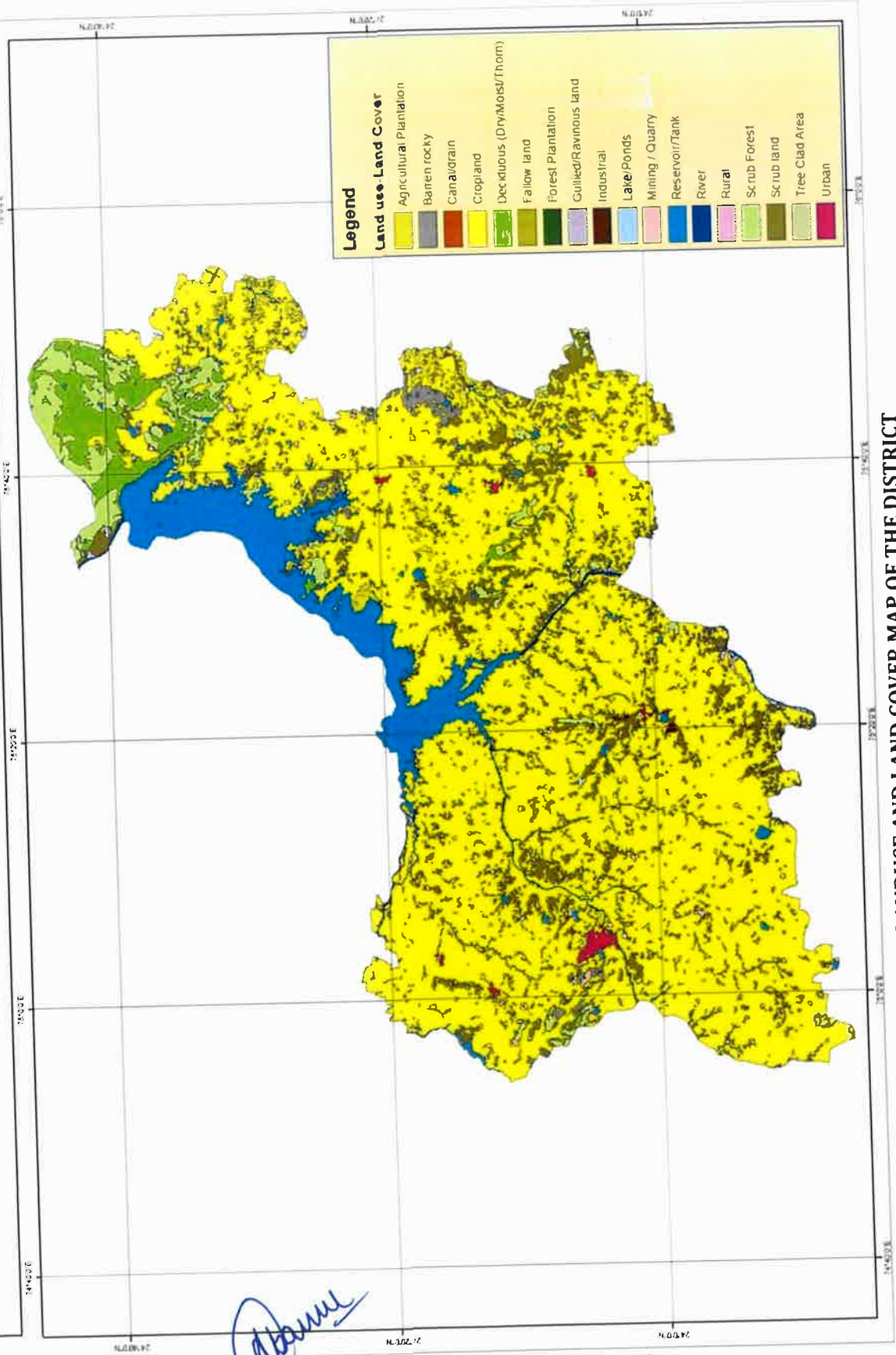
  
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LANDUSE - LANDCOVER MAP  
DISTRICT MANDSAUR



LANDUSE AND LAND COVER MAP OF THE DISTRICT

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## 10. Physiography of the District


Physiographically, the major parts of the district covered by Malwa Plateau, by gently sloping topography ranging the elevation between 445 m and 518 m above mean sea level. Topographic high plateau form surface water divides. Main surface water divide separates Chambal sub basin from Shiva micro-basin. Shivna is tributary of Chambal River is running ENE-WSW direction in southwestern parts of the area.

The highest elevation of the area is noticed on northwest corner of the area near village Rewas Dewda (240 07', 740 57') with an elevation of 560 m above mean sea level, which represent hills comprising sedimentary formation. The lowest elevation is 416 m above mean sea level marked north of village Pipalda (240 37', 750 38') in northern parts of the district. Prominent isolated residual hillocks formed of Deccan Trap basalt are observed in north part of Bhanpura town is forming northern plateau area, consisting of Vindhyan formation. Northern plateau area is highly undulating in topography and forming escarp running northwest, southeast direction. Highest elevation of the escarpment is 510 m above mean sea level, located north of village Kotri.

### Soils

The soils in the district are generally of four types:

1. Black cotton soil
2. Red loamy soil
3. Laterite soil
4. Alluvial soil

  
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### **Hydrogeology:**

Geologically major parts of the Mandsaur district is occupied by Deccan Trap basalts except narrow patch of alluvium and sedimentary rocks of Vindhyan super group in isolated patches, which are forming different type of aquifer in the area. Occurrence and movement of groundwater in hard rock is mainly controlled by secondary porosity through joints and fractures. Presences of vesicle in basaltic lava flow of Deccan Traps play an important role in groundwater movement. Groundwater in general occurs under unconfined to semi-confined conditions. The general hydrogeological conditions of the district are depicted in figure -2 and formation wise settings are discussed below.

### **Vindhyan:**

The Vindhyan sandstone has primary porosity, but this depends on the degree of compaction. Ground water availability in sandstone is controlled by secondary porosity generated by weathering, jointing and fracturing. Ground water in sandstone occurs under confined conditions. Yield of Vindhyan sandstone formation is generally poor to moderate and less than 2 liters per second.

### **Basalts:**

The basalts underlie a major part of the district and generally groundwater occurs under phreatic conditions in shallow weathered, jointed and fractured horizons. Basalts does not exhibits uniform occurrence of groundwater both vertically and latterly. Physiographic location, thickness of weathered mantle, degree of jointing, fracture or shear zones, characteristics of vesicular horizons and their inter connection are important factor, which play a deciding role in the yield capacity of open wells tapping shallow aquifers. The deeper aquifer system appear to be under unconfined to semi-confined conditions while visualizing lava flow sequence which shows alternate units of vesicular and massive horizons. The hydrogeological regime in different tires, deeper aquifer is more likely to be governed by the secondary porosity jointed/fractured form of massive units is creating possibilities of their acting as leaky confining bed consequently resulting into semi-confined condition for water bearing vesicular units occurring below it. Yield of basalts in this is reported low to moderates (1 to 5 LPs).

### **Alluvium:**

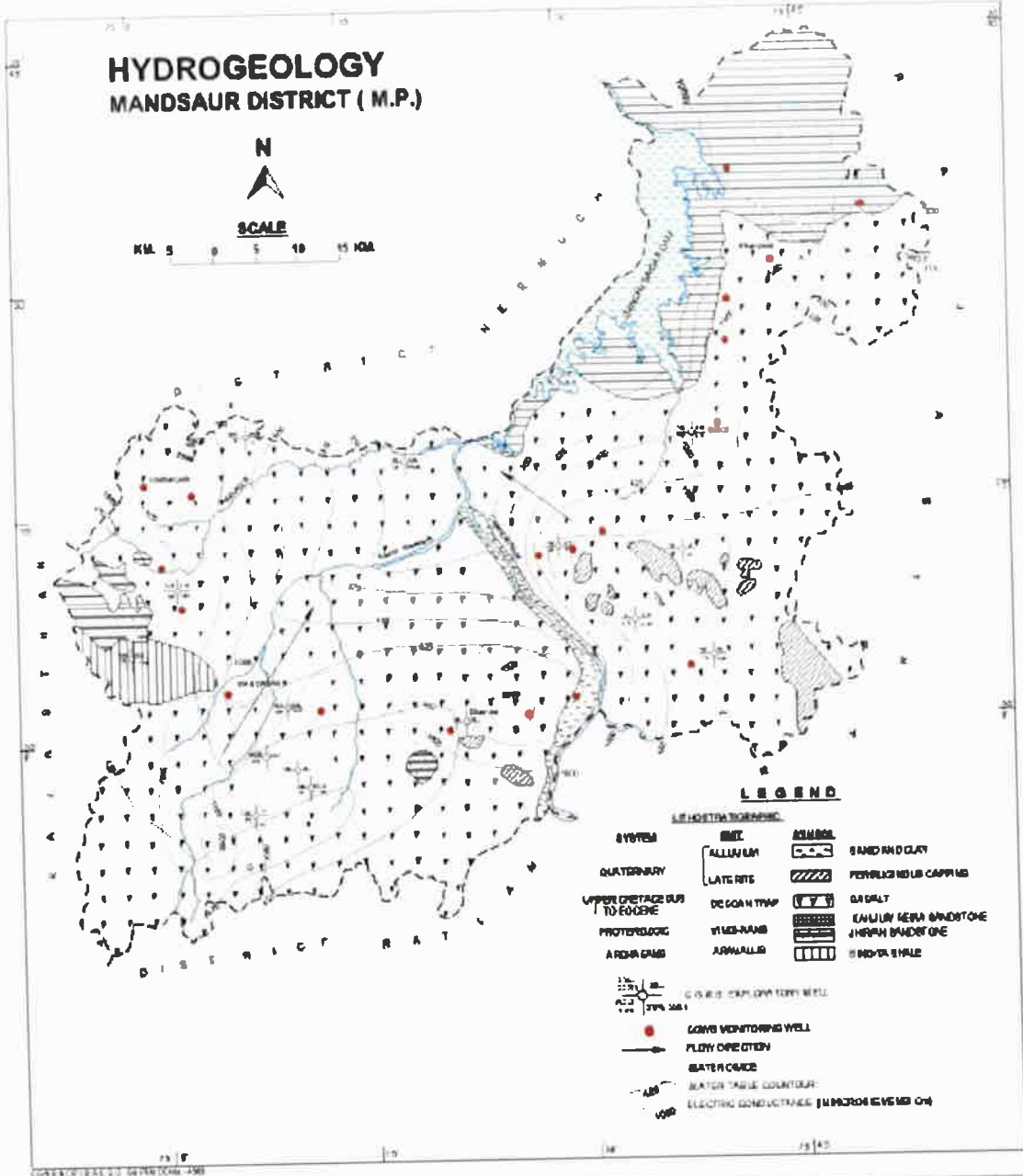
The alluvium deposits are restricted to narrow linear along the river courses of Chambal and Shivala. The thickness of alluvium varies from 5 to 10 meters, which is proportionately thinning away from the river line. The thickness of alluvium along the Chambal River reported about 20 meter thick. The alluvium deposits consists series of consolidated, fine to medium grained sand admix in varying proportion and yield varies from 1 to 8 liters per second.



# HYDROGEOLOGY MANDSAUR DISTRICT ( M.P.)



SCALE  
KM 5 10 15 20



### LEGEND

- SYSTEM**
- QUATERNARY
    - ALLUVIUM
    - LATE RITE
  - UPPER CRETACEOUS TO EOCENE
  - PROTEROZOIC
  - ARORA GABO
- LITHOLITHOGRAPHIC**
- SAND AND CLAY
  - PERVIOUS SUB-CAPPING
  - GA GALT
  - EARLY MERA SANDSTONE
  - JHARPA SANDSTONE
  - INDRA SHALE
- WELL**
- 100 M DEEP EXPLORE TEST WELL
  - 100 M DEEP MONITORING WELL
- FLOW DIRECTION**
- WATER CHARGE
- WATER TABLE**
- WATER TABLE CONTOUR
  - ELECTRIC CONDUCTIVITY (1000-2000 MICROMH/CM)

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## 11. Rainfall of the district & Climatic Condition:

The climate of the Mandsaur district is semi-tropical characterized by hot summer and well-distributed rainfall during the southwest monsoon. The year can be divided in four seasons. The winter commences from December and last up to February. January is the coldest month with temperature falling 9.80 C. The period from March to first week of June is the summer season. May is the hottest month when the temperature may go up to 39.8 0 C. The monsoon starts from middle of June to the first week of October. October and November constitute the post monsoon or retreating monsoon period.

During the southwest monsoon season the relative humidity generally exceeds 87 % (August month). The driest part of the year is the summer season, when relative humidity is less 26%. April is the driest month of the year.

The wind velocity is higher during the pre-monsoon period as compared to post monsoon period. The maximum wind velocity 16.7 km/hr observed during the month of June and minimum 4.7 km/hr during the month of November. The average normal annual wind velocity of Mandsaur district is 9.2 km/hr.

The average annual rainfall of Mandsaur district is 657.3mm. Mandsaur district receive maximum rainfall during southwest monsoon period i.e. June to November. About 90.5% of annual rainfall is received during monsoon season. Only 9.5% of annual rainfall takes place between Octobers to May period. The surplus water for groundwater recharge is available only during the southwest monsoon period.

*Bhau*  
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खनिज शाखा  
जिला-मण्डसौर

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

## 12. Geology of the district:

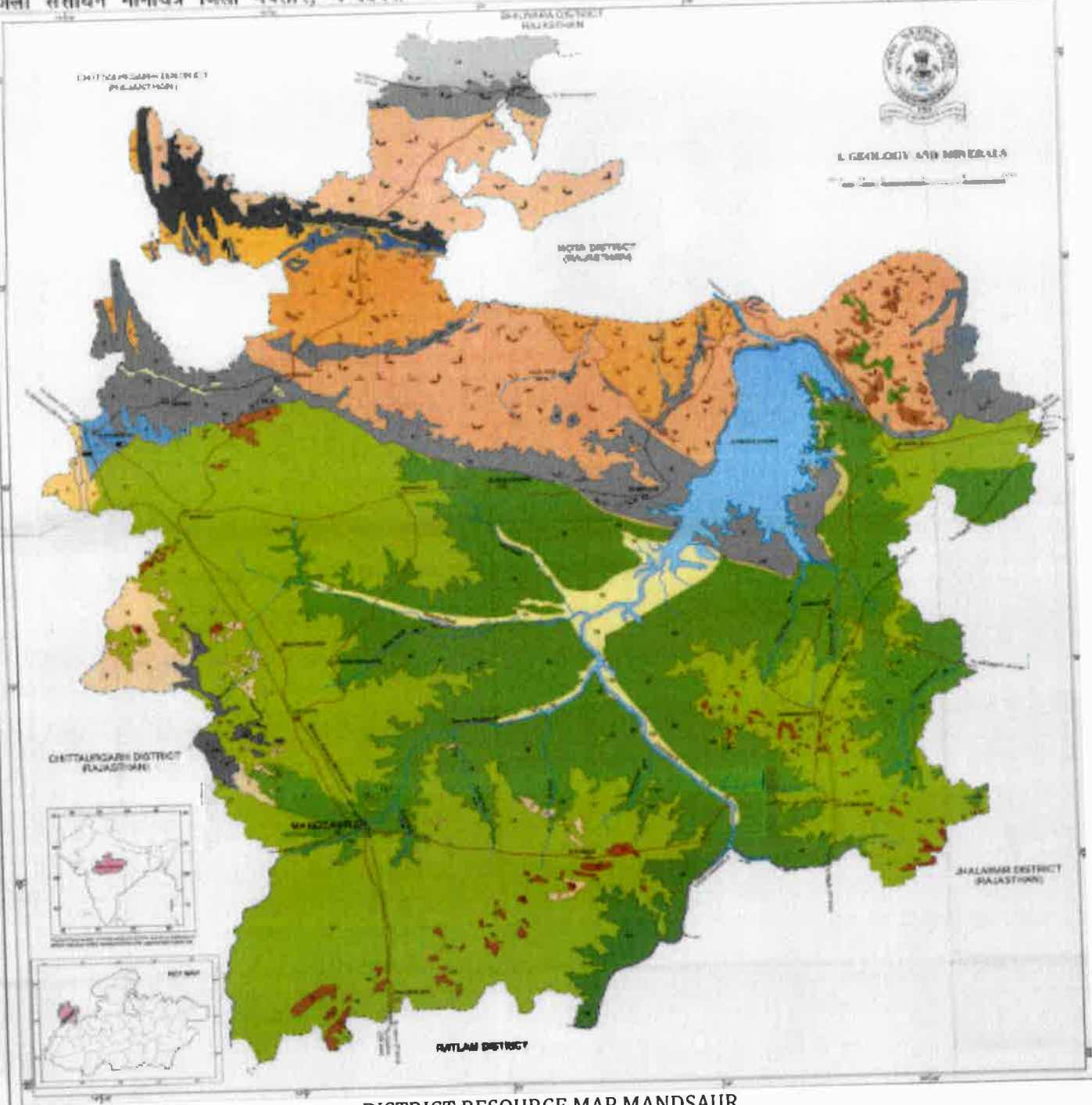
The predominant geological formations are Alluvium, Deccan Trap basalts, Vindhyan-Shales, Sandstones and Limestones.

Geologically major parts of the Mandsaur district is occupied by Deccan Trap basalts except narrow patch of alluvium and sedimentary rocks of Vindhyan supergroup in isolated patches, which are forming different type of aquifer in the area. Rocks have secondary porosity, joints and fractures. Presence of vesicles in basaltic lava flow of Deccan Traps play an important role in ground water movement. The Vindhyan sandstone is porous in nature. The basalts underlie a major part of the district and generally ground water occurs under phreatic conditions in shallow weathered, jointed and fractured horizons. The deeper aquifer system appear to be under unconfined to semi-confined conditions while visualizing lava flow sequence which shows alternate units of vesicular and massive horizons. The hydrogeological regime in different tiers, deeper aquifer is more likely to be governed by the secondary porosity jointed/fractured form of massive units is creating possibilities of their acting as leaky confining bed consequently resulting into semi-confined condition for water bearing vesicular unit so occurring below it.

The alluvium deposits are restricted to narrow linear along the river courses of Chambal and Shivna. The thickness of alluvium varies from 5 to 10 meters, which is proportionately thinning away from the river line. The thickness of alluvium along the Chambal River reported about 20 meter thick. The alluvium deposits consist series of consolidated, fine to medium grained sand and silt in varying proportion.

*Bhau*  
भारत सरकार  
पर्यावरण विभाग

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



DISTRICT RESOURCE MAP MANDSAUR

*Bhaur*  
 प्रभारी अधिकारी  
 खनिज शाखा  
 जिला मंदसौर

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

**EXPLANATION**

LITHOLOGY	STRATIGRAPHIC STATUS	AGE	NATURE AND CHARACTERISTICS	GENERAL INDEX
10. Micaeans	Recent	Tertiary to Holocene	Yellow, grey, compact	District boundary
9. Laterite		Cenozoic	Brown, ferruginous, moderate to hard rock	State boundary
17. Silt and calcareous type basaltic flows	Kachhri + Prakhri Formation	Mahesh Group	Dark grey, fine to medium grained, hard rock	Canal way line
18. Silt basaltic flows	Kachhri Formation	Deccan Traps	Dark grey, non-pyrophylic, fine grained, hard rock	Road
19. Pebbles, cobbles and boulders embedded in a matrix of fine to sandy clay matrix	Aravali Boulder field (Tambir)	Lower Gondwana	Assorted boulders, pebbles and cobbles	Height of triangulated point
14. Singoli limestone with argillaceous bands			Chocolate and purple colored (dark) bedded, non-synclinal	Settlement
15. Gumpach shale with siliceous interbeds			Khaki green, reddish brown, purple, soft and spallable rock	Drainage with direction of flow
16. Lower sandstone			White to grey, fine grained, thickly bedded and massive rock	Reservoir
13. Ratnagiri shale with siliceous interbeds		Neo Proterozoic	Purple, soft rock with interbeds of glauconitic siliceous, stratified	Height of triangulated station
12. Dolapara sandstone, argillaceous at top and bottom			Greenish white, fine grained with shale bands in the lower part	
11. Purani shale with siliceous, limestone interbeds			Yellowish green, purple, brown, dark bedded and friable, soft rock	
8. Dikhar Quartzitic sandstone			Purple, fine grained, thin to thick bedded and massive	
7. Puzosli shale with interbeds of siliceous			Buff and greenish grey rock of variable thickness with interbeds of siliceous	
6. Marwani Quartzitic sandstone, coarse and gritty near the base			White to pinkish, coarse to medium grained, massive to thickly bedded	
5. Salleri shale with interbeds of siliceous and sandstone			Brown, grey, greenish, finely bedded, friable, soft rock	
4. Vengalshera limestone			Grey, pink and greenish in colour. Fine grained, non-crystalline, even bedded and compact	
3. Bari shale			Khaki green and grey in colour, soft rock	
2. Jara sandstone			Pink and massive rock, fine to medium grained, thickly bedded, compact	
1. Bisnati shale			Grey and pink, soft rock	

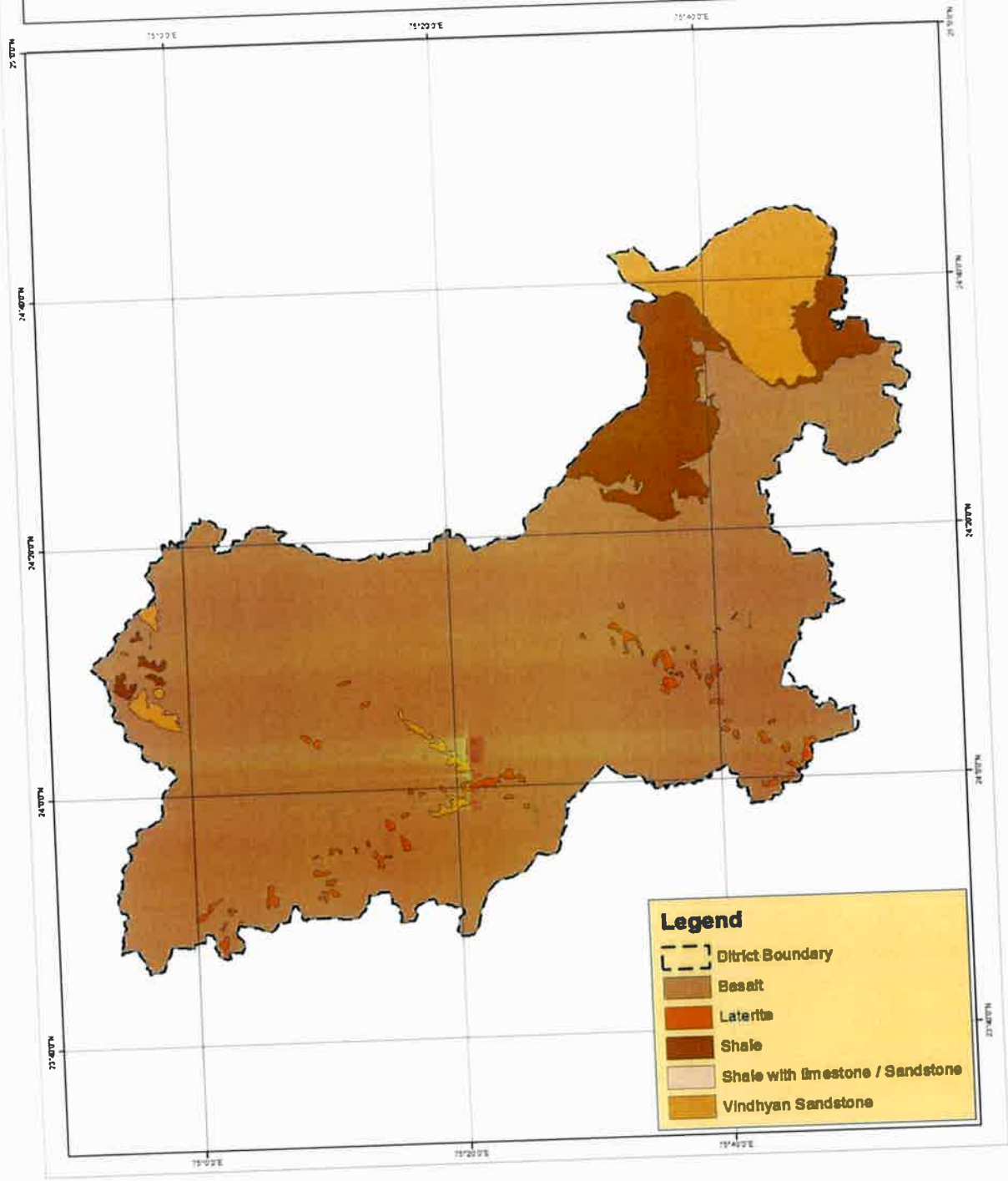
**GEOLOGICAL SUCCESSION**

*Bhary*  
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 खनिज शाखा  
 जिला-मन्दासौर

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



# GEOLOGICAL MAP DISTRICT MANDSAUR



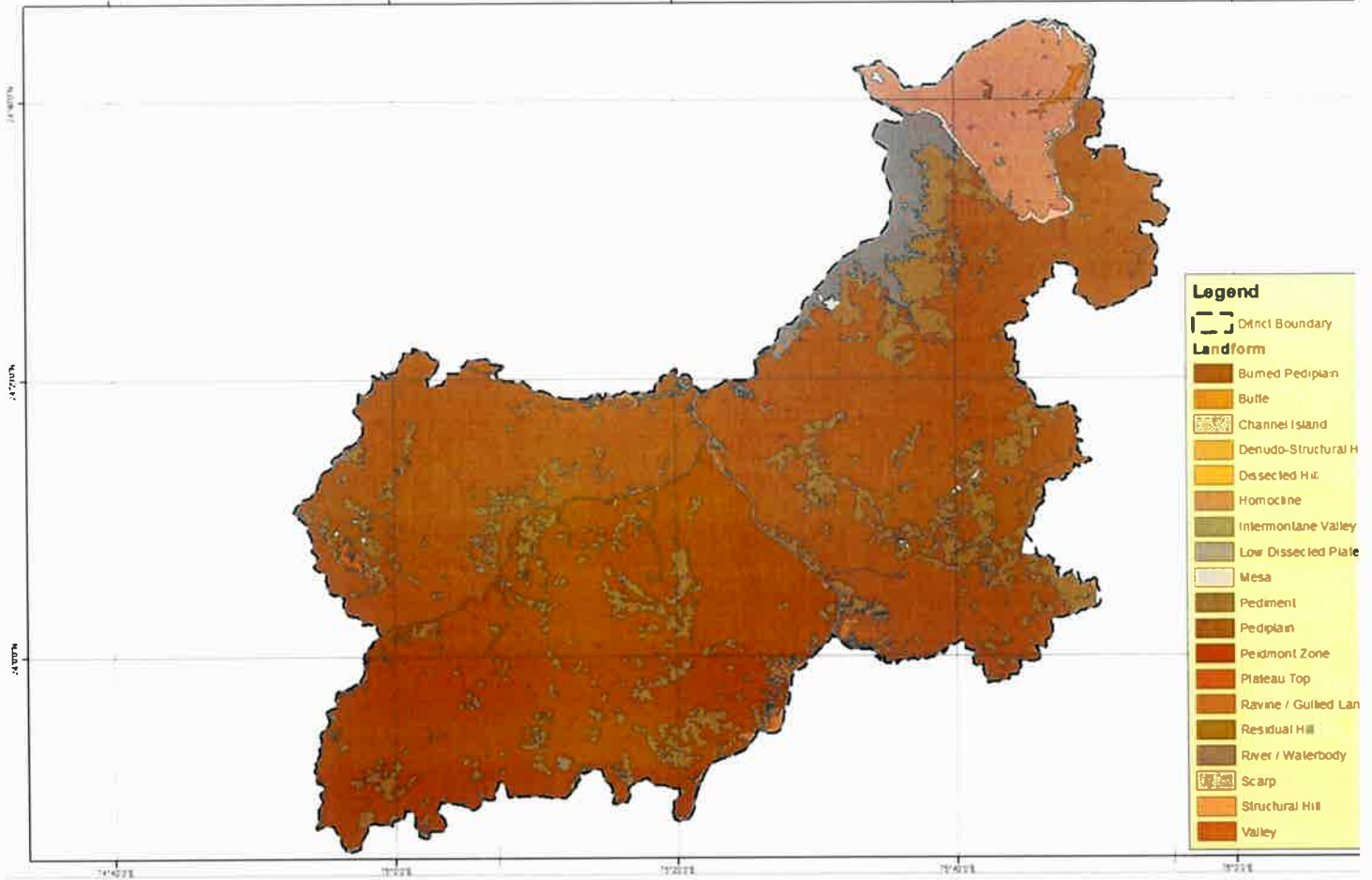
GEOLOGICAL MAP OF THE DISTRICT

*Bhargava*  
अधीक्षक  
खनिज शक्ति  
जिला-मन्दासौर

*Sharma*  
State Level Environment  
Assessment Authority  
(EPCO)  
Paryavaran Parishad  
E-5, Arera Colony, Bhopal



# GEOMORPHOLOGICAL MAP DISTRICT MANDSAUR



GEOMORPHOLOGICAL MAP OF THE DISTRICT

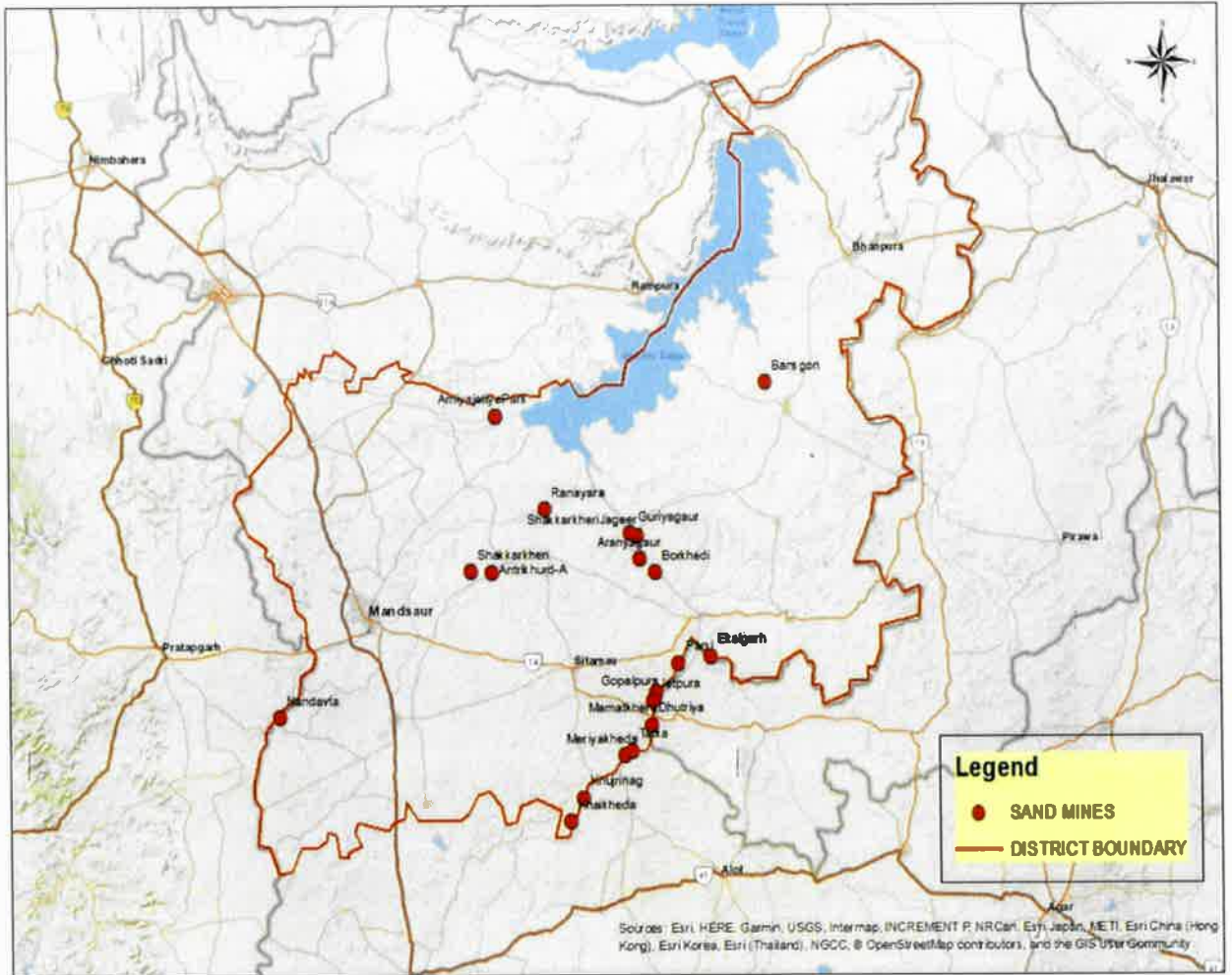
*Bhav*  
 प्रभाती अग्रवाल  
 अलिज शारदा  
 जिला-मन्दासौर

*Abhishek*  
 State Level Environment Im  
 Assessment Authority, M.P.  
 (ERCO)  
 Paryavaran Parisar  
 E-5, Arera Colony, Bhopal (M

(a) Details of river or stream and other sand source of the district.

District Mandsaur is drained by many rivers and its tributaries in which mining occurs Chambal River etc.

**Sand Mining Map of Mandsaur District**



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अनिज शाखा  
जिला-मन्दसौर

*W. Kumar*

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

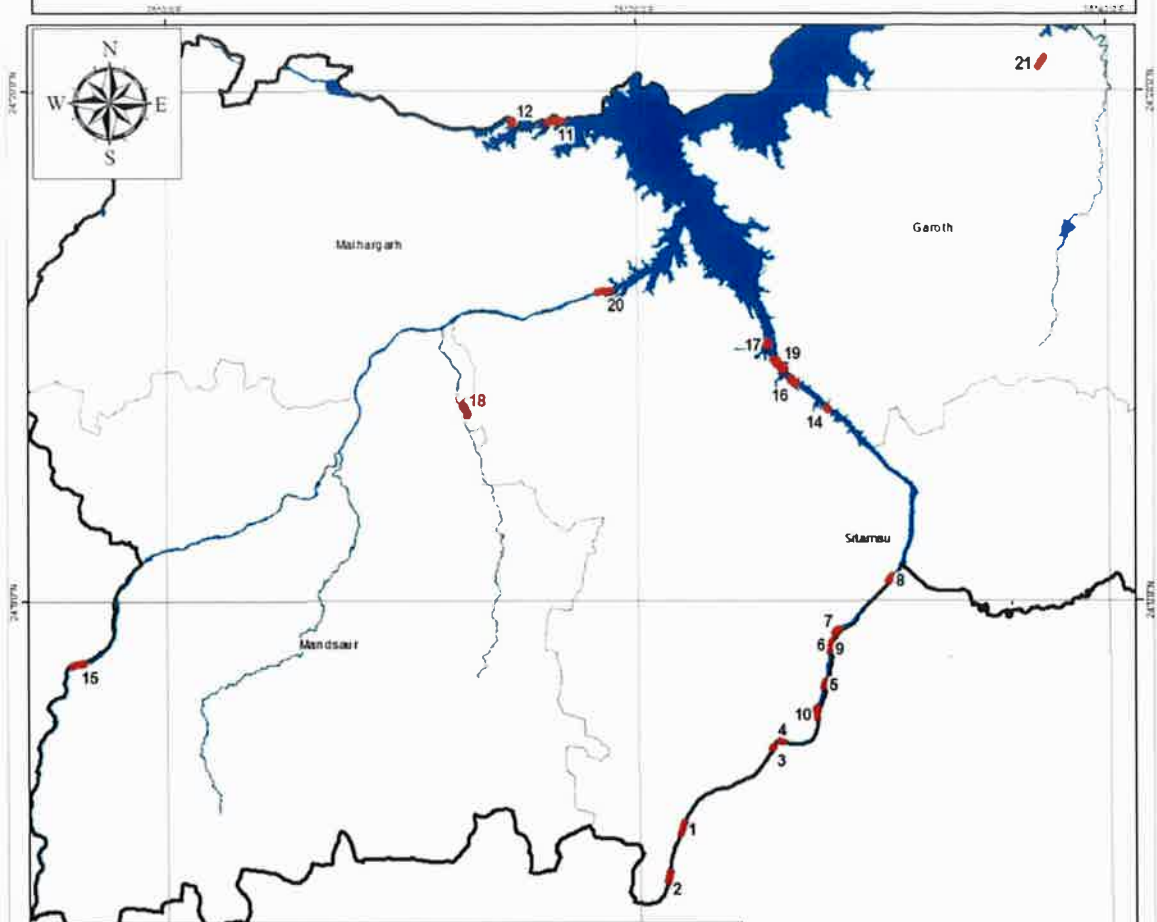
13. **PRE MANSOON & POST MANSOON DETAILS**

Sr. No	Name of Mines	Khasra No.	Area (In hac.)	Pre Mansoon Quantity(In Cum)	Post Mansoon Quantity (In Cum)
1	Khaikheda	57	4.500	200	2000
2	Khajurinaag	778	5.000	250	2000
3	Meriyakhedi	1039	4.500	350	1000
4	Tatka	383,338 (578 New)	4.000	250	1000
5	Dhaturiya	845	4.000	300	3000
6	Jetpura	122	4.000	200	1000
7	Gopalpura	938	4.500	250	1000
8	Mamatkheda	346	4.000	300	2000
9	Parsi	624	4.000	250	2000
10	Ekalgarh	617	4.000	<b>Submerged</b>	<b>Submerged</b>
11	Parli	1	2.000	<b>Submerged</b>	<b>Submerged</b>
12	Arniya Jatiya	1	2.000	<b>Submerged</b>	<b>Submerged</b>
13	Antrikhurd-A	76	2.000	<b>Submerged</b>	<b>Submerged</b>
14	Borkhedi	1162	2.000	<b>Submerged</b>	<b>Submerged</b>
15	Nandawta	2	5.000	<b>50</b>	<b>200</b>
16	Arniya Gour	1	4.000	<b>Submerged</b>	<b>Submerged</b>
17	Shakkarkhedi Jagir	243	4.000	<b>Submerged</b>	<b>Submerged</b>
18	Shakkarkhedi	40,210,105	3.680	<b>Submerged</b>	<b>Submerged</b>
19	Guradiya Gour	803	2.000	<b>Submerged</b>	<b>Submerged</b>
20	Ranayra	4	4.500	<b>Submerged</b>	<b>Submerged</b>
21	Basgon	202, 333	4.000	<b>00</b>	<b>100</b>

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प्रभारी अधिकारी  
खनिज शाखा  
जिला-मन्दावी

*Abdullah*  
State Level Environment Impact  
Assessment Authority, M.P.  
(E-5)  
District Engineer  
Bhopal (M.P.)

# PRE-MONSOON MINES MAP OF DISTRICT MANDSAUR




Pre-Monsoon Area Based on Satellite Data

Sr. No.	Name of Mines	Number of Pixels	Per Pixel Area in sqm (Resolutions 15 mtrs)	Total Area in sqm	Standard Depth in meters	Sand Mines Area (Cubic meters)
1	Khujinag	water-logged	225		3	0
2	Khaikheda	water-logged	225		3	0
3	Meriyakheda	63	225	14175	3	42525
4	Tatka	91	225	20475	3	
5	Dhutriya	water-logged	225		3	0
6	Gopalpura	57	225	12825	3	38475
7	Mamatkhera	water-logged	225		3	0
8	Parsi	water-logged	225		3	0
9	Jetpura	309	225	69525	3	208575
10	Ekalgah	210	225	47250	3	141750
11	Parli	water-logged	225		3	0
12	Arniyajatiya	water-logged	225		3	0
14	Borkhedi	water-logged	225		3	0
15	Nandavta	210	225	47250	3	0
16	Aranyagaur	water-logged	225		3	0
17	Shakkarkheri Jageer	water-logged	225		3	0
18	Shakkarkheri	182	225	40950	3	122850
19	Guriyagaur	water-logged	225		3	0
20	Ranayara	water-logged	225		3	0
21	Bansgon	175	225	39375	3	118125

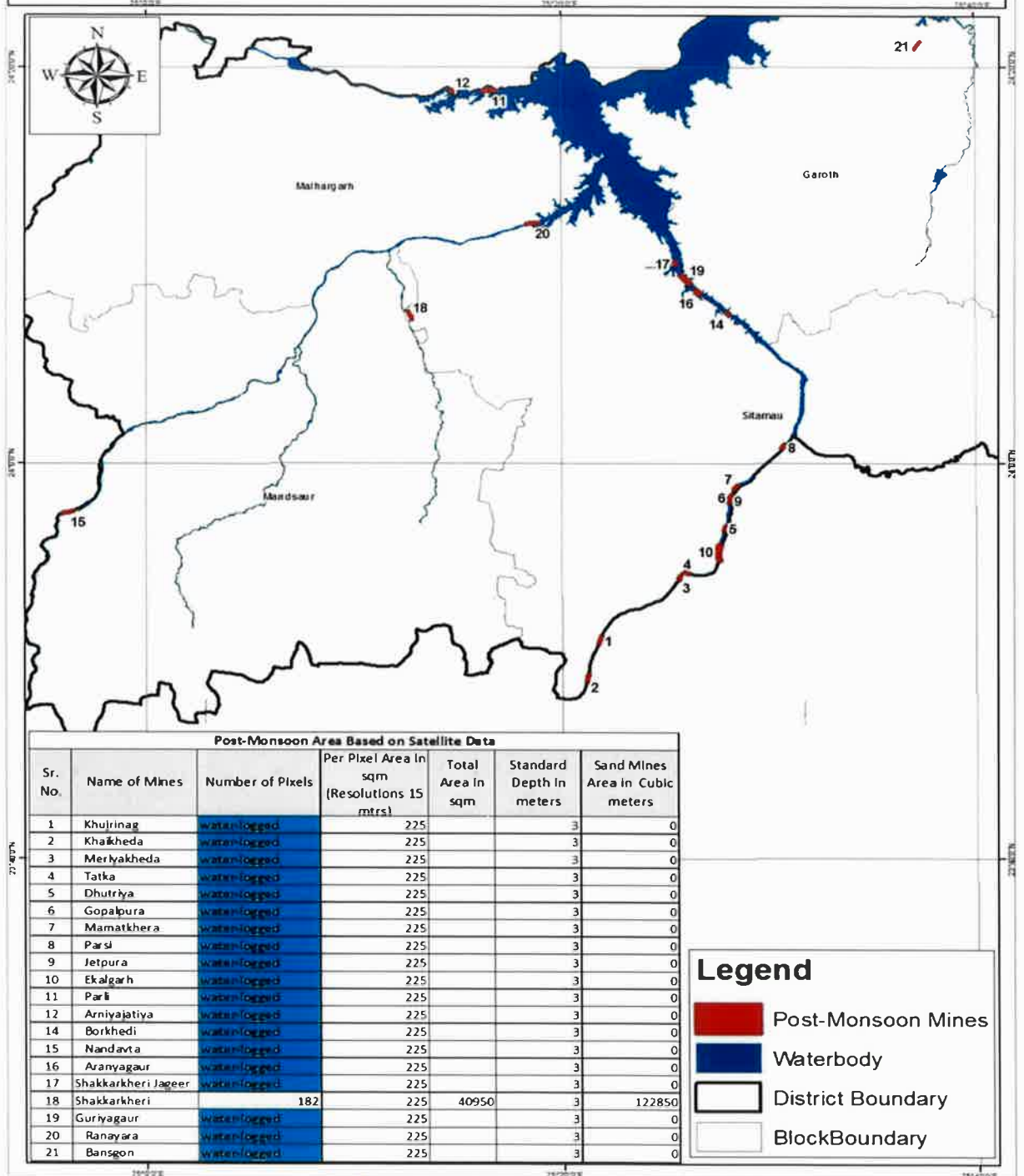
## Legend

- Pre-Monsoon Mines
- Waterbody
- District Boundary
- BlockBoundary

  
 प्रमुख अधिकारी  
 खनिज शोध  
 जिला-मन्दासौर  
 State Level Environment Imp  
 Assessment Authority, M.P.  
 (EPCO)  
 Parvatan Parisar  
 E-5, Aravalli Road, Bhopal (M.P.)



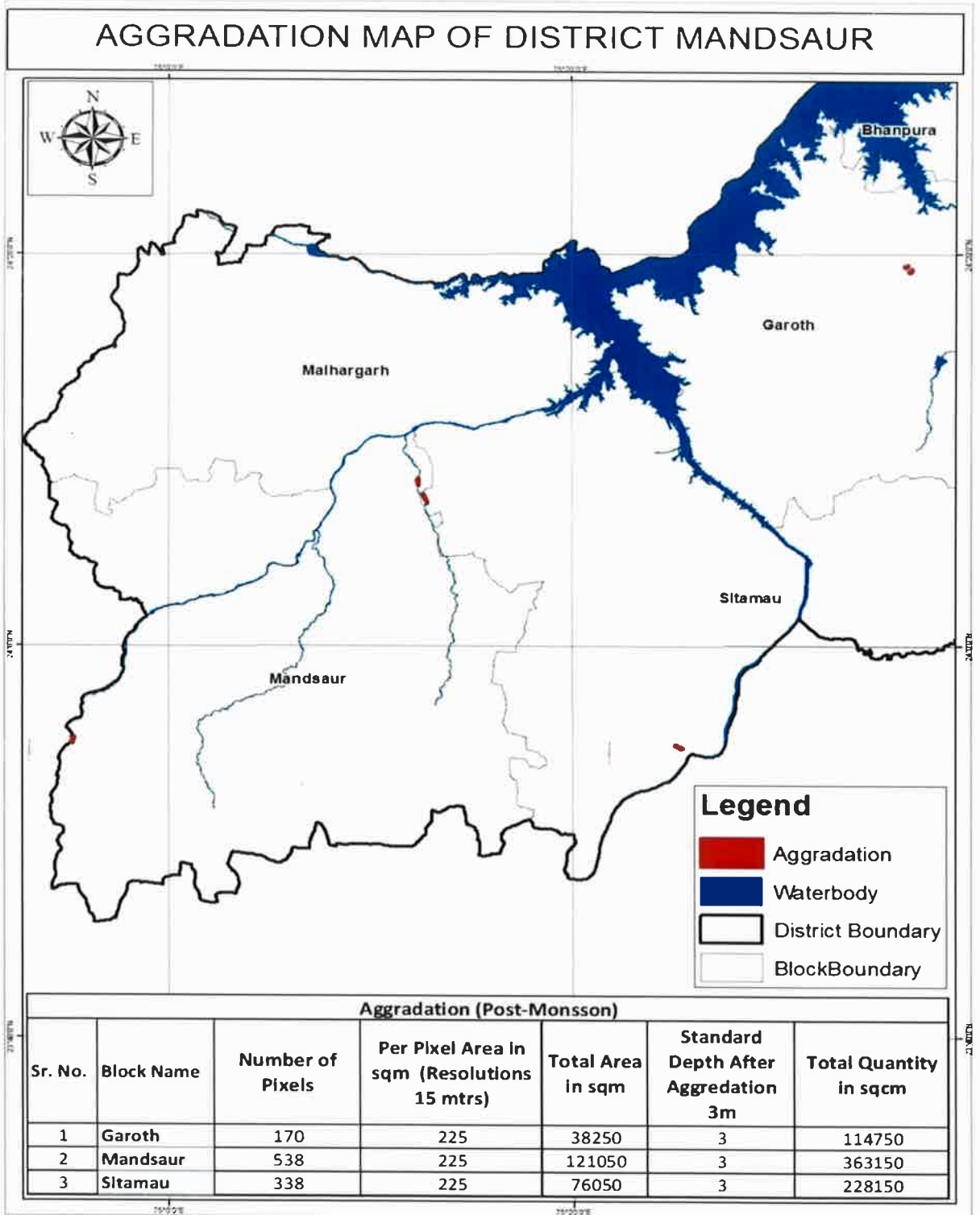
# POST-MONSOON MINES MAP OF DISTRICT MANDSAUR



*Anand*  
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 Assessment Authority, M.P.  
 (EPCO)  
 Paryavaran Parisar  
 E-5, Arora Colony, Bhopal (M.P.)

*Bhanu*  
 प्रभारी अधिकारी  
 खनिज शाखा  
 जिला-मन्दासौर

AGGRADATION MAP OF THE DISTRICT



*(Signature)*


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

*(Signature)*  
खनिज शाखा  
जिला-मन्दासौर

The process of sand reclamation is highly dependent upon the rainfall received in the catchment areas of river sand their tributarie sand the velocity of river. It is a dynamic process. Thus it is difficult to predict, what quantity of sand may be reclaimed/redeposited by river. Because, in case of less rain, less water in the river, there may be less erosion and transportation may also be minimal and as a result deposition too will be less. Moreover, in case of floods, the sudden gush of water may force the change in the river course, thus old sites of sand deposition may not be relevant. Thus, the above figures may just be a mere prediction, based on the production in the preceding years. The data narrated in the report, regarding annual deposition of sand and associated aggregate sand mineable mineral potential is concerned, is only estimation based on the data yearly production from the sanctioned mines. Thus, the figures may vary from area to area and year on year basis. Therefore, this document is not static one but has to be a dynamic one, the figures of which may vary with respect to time. The DEAC committee is at liberty to make the spot inspection of the area under question for which the prior environmental clearance will be sought.

#### 14. Conclusion

After doing all exercise it can be said that Mandsoor district have good mineral potential as well as variety of minerals. Geological studies of the area indicate that many minerals like Murum, Laterite, Gitti and Shale are closely associated with same group of rocks. So with preventive measure, skilled, systematic and scientific mining district has rich mineral resources to contribute for growth of state as.

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

  
प्रमाणित अधिकारी  
खनिज शाखा  
जिला-मन्दासौर

**594वीं राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति की बैठक**  
**दिनांक 21 सितम्बर 2022**

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

समिति ने पाया कि खनि. अधिकारी, कार्यालय कलेक्टर, (खनिज शाखा) जिला- सिवनी के पत्र क्र0 1628 दिनांक 14/09/22 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 सिवनी 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।

**19. जिला सर्वेक्षण रिपोर्ट, मंदसौर,**

**अ. गौण खनिज (गिट्टी, मुरुम, लेटेराइट, एवं शैल) जिला- मंदसौर**

आज दिनांक 21/9/22 को जिला सर्वेक्षण रिपोर्टों के प्रस्तुतीकरण के दौरान संचानालय, भौमिकी एवं खनिकर्म, विभाग भोपाल से श्री पी.पी. राय, एवं श्रीमति भावना सेंगर, प्रभारी प्रभारी, खनिज अधिकारी के साथ उपस्थित रहे । जिले की संशोधित मंदसौर जिला सर्वेक्षण रिपोर्ट (गौण खनिज) में पाया गया कि:-

<b>Mineral</b>	<b>Other Minor Minerals (Stone)</b>
Earlier DSR Discussed	SEAC 579 <sup>th</sup> Meeting dated 17.06.22
Approved /or recommend for Updation (if Updation then elaborate issues)	Recommended for DSR Updation ( <b>Other Minor Minerals</b> )
Deliberation in the SEAC 579 <sup>th</sup> Meeting dated 17.06.22	राज्य स्तरीय मूल्यांकन समिति की 592वीं बैठक दिनांक 06/09/22 गौण खनिज, जिला रतलाम <u>जिला सर्वेक्षण रिपोर्ट, मंदसौर –</u> <b>अ. गौण खनिज (गिट्टी ) जिला, मंदसौर</b>  आज दिनांक 06/9/22 को जिला सर्वेक्षण रिपोर्टों के प्रस्तुतीकरण के दौरान संचानालय, भौमिकी एवं खनिकर्म, विभाग भोपाल से श्री पी.पी. राय, एवं श्रीमति भावना सेंगर, प्रभारी प्रभारी, खनिज अधिकारी के साथ उपस्थित रहे । जिले की संशोधित मंदसौर जिला सर्वेक्षण रिपोर्ट (गौण खनिज) में पाया गया कि:-



**594वीं राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति की बैठक**  
**दिनांक 21 सितम्बर 2022**

	<ul style="list-style-type: none"> <li>● पेज क्र०. 22 में दर्शित तालिका क्र०. 9 में लीजवार जो जानकारी दी गयी है वह पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, नई दिल्ली द्वारा जारी अधिसूचना दिनांक 25/07/2018 की अधिसूचना में दी गयी वह 16 बिन्दुओं के अनुसार नहीं है। लीज के अक्षांश –देशांश, पर्यावरण स्वीकृति (EC) की स्थिति, केप्टिव है या नॉन केप्टिव है आदि एंव खनन की विधि आदि की जानकारी नहीं दी गयी है।</li> <li>● लीजवार रौपे गये पौधों की जानकारी नहीं दी गयी है।</li> <li>● जिला सर्वेक्षण रिपोर्ट के पेज न०. 27–29 में जो मेटर दिया गया है वह स्पष्ट पढ़ने में नहीं आ रहा है। इन पेजों में जमगज आपस में मिल रहा है</li> </ul> <p><b>ब . गौण खनिज (मुरुम) जिला मंदसौर</b></p> <p>जिले की संशोधित मंदसौर जिला सर्वेक्षण रिपोर्ट (गौण खनिज) में पाया गया कि:-</p> <ul style="list-style-type: none"> <li>● पेज क्र०. 1 में लीजवार जो जानकारी दी गयी है वह पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, नई दिल्ली द्वारा जारी अधिसूचना दिनांक 25/07/2018 की अधिसूचना में दी गयी वह 16 बिन्दुओं के अनुसार नहीं है। लीज के अक्षांश –देशांश, पर्यावरण स्वीकृति (म्ब) की स्थिति, केप्टिव है या नॉन केप्टिव है आदि एंव खनन की विधि आदि की जानकारी नहीं दी गयी है।</li> <li>● लीजवार रौपे गये पौधों की जानकारी नहीं दी गयी है।</li> <li>● पेज क्र०. 27–29 में पेज 10–12 में जमगज मेटर दिया गया है वह पढ़ने में नहीं आ रहा है।</li> </ul>
<p>Approved /or recommend for Updation (if Updation then elaborate issues)</p>	<p>DSR (<b>Other Minor Minerals</b>) for updation</p>
<p>Revised District Collectorate ( Mining)</p>	<p>Vide District Collectorate ( Mining) Office, Mandsaur No. 2048 dated 19.09.2022</p>
<p>SEAC meeting dated 21/09/22</p>	<p><b>जिला सर्वेक्षण रिपोर्ट (गौण खनिज) मंदसौर – गिट्टी</b></p> <ul style="list-style-type: none"> <li>● जिले की जिला सर्वेक्षण रिपोर्ट के तलिका क्र०.- 1 पेज क्र०. 23–56 में खदान की जानकारी निर्धारित प्रपत्र में दे दी गई है।</li> <li>● जिले में हरित क्षेत्र के विकास हेतु पूर्व के वर्षों में लीज धारकों द्वारा किये गये वृक्षारोपण की जानकारी संख्या तलिका क्र०. – 1 पेज क्र०. 23–56 में दी गई है।</li> </ul> <p><b>जिला सर्वेक्षण रिपोर्ट (गौण खनिज) मंदसौर – मुरुम</b></p> <ul style="list-style-type: none"> <li>● जिले की जिला सर्वेक्षण रिपोर्ट के तलिका क्र०.- 1 पेज क्र०. 63–64 में खदान की जानकारी निर्धारित प्रपत्र में दे दी गई है।</li> <li>● जिले में हरित क्षेत्र के विकास हेतु पूर्व के वर्षों में लीज धारकों द्वारा</li> </ul>

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	<p>किये गये वृक्षारोपण की जानकारी संख्या तलिका क्र०. – 1 पेज क्र०. 63–64 मे दी गई है।</p> <p><b>जिला सर्वेक्षण रिपोर्ट (गौण खनिज) मंदसौर –शैल</b></p> <ul style="list-style-type: none"> <li>जिले की जिला सर्वेक्षण रिपोर्ट के तलिका क्र०.– 1 पेज क्र०. 70–73 में खदान की जानकारी निर्धारित प्रपत्र मे दे दी गई है।</li> <li>जिले में हरित क्षेत्र के विकास हेतु पूर्व के वर्षों में लीज धारकों द्वारा किये गये वृक्षारोपण की जानकारी संख्या तलिका क्र०. – 1 पेज क्र०. 70–73 मे दी गई है।</li> </ul> <p><b>जिला सर्वेक्षण रिपोर्ट (गौण खनिज) मंदसौर –लेटेराईट</b></p> <ul style="list-style-type: none"> <li>जिले की जिला सर्वेक्षण रिपोर्ट के तलिका क्र०.– 1 पेज क्र०. 79–81 में खदान की जानकारी निर्धारित प्रपत्र मे दे दी गई है।</li> <li>जिले में हरित क्षेत्र के विकास हेतु पूर्व के वर्षों में लीज धारकों द्वारा किये गये वृक्षारोपण की जानकारी संख्या तलिका क्र०. – 1 पेज क्र०. 79–81 मे दी गई है।</li> </ul>
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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 श्रीमति भावना सेंगर, प्रभारी प्रभारी, खनिज अधिकारी के साथ उपस्थित रहे ।

समिति ने पाया कि खनि. अधिकारी,कार्यालय कलेक्टर, (खनिज शाखा) जिला– मंदसौर के पत्र क्र० 2048/खनिज/2022 दिनांक 19/09/22 के माध्यम खदान की जानकारी निर्धारित प्रपत्र मे दे दी गई है तथा लीज धारकों द्वारा किये गये वृक्षारोपण की जानकारी (संख्या) प्रस्तुत कर दी गई है। अतः समिति मंदसौर जिले की जिला सर्वेक्षण रिपोर्ट (गौण खनिज (गिट्टी, मुरुम, लेटेराईट, एवं शैल) अनुमोदन हेतु विचारार्थ एवं आगामी कार्यवाही हेतु राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण की ओर प्रेषित की जाये।

**ब .गौण खनिज (रेत खनिज) जिला, मंदसौर**

Mineral	Sand
Earlier DSR Discussed	SEAC 592 Meeting dated 06.09.22.
Approved /or recommend for Updation (if	Recommended for DSR Updation ( <b>Sand</b> )

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Updation then elaborate issues)	
Deliberation in the SEAC 592 Meeting dated 06.09.22	<p>राज्य स्तरीय मूल्यांकन समिति की 592 वीं बैठक दिनांक 06/09/22 जिला सर्वेक्षण रिपोर्ट, जिला – मंदसौर म.प्र.– (रेत खनिज) गौण खनिज (रेत खनिज) जिला, मंदसौर</p> <p>जिले की संशोधित मंदसौर जिला सर्वेक्षण रिपोर्ट (रेत खनिज ) में पाया गया कि:-</p> <ol style="list-style-type: none"> <li>पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, नई दिल्ली द्वारा जारी अधिसूचना दिनांक 25/07/2018 की अधिसूचना में निर्देशित की गयी तालिका नहीं तैयार की गयी है। रिपोर्ट में ली गई रेत की लीजवार लंबाई, चौड़ाई एवं गहराई के साथ प्रदर्शित नहीं की गयी है।</li> <li>रेत खनिज का लीजवार मिनरल पोटेन्शियल घन मी. एंव मी.टन मे मात्रा भी नहीं दर्शायी गयी है।</li> <li>लीजवार 03 वर्षों का मिनरल पोटेन्शियल नहीं दर्शाया गया है।</li> </ol> <p>चर्चा उपरांत समिति की यह अनुशंसा है कि मंदसौर की जिला सर्वेक्षण रिपोर्ट (रेत खनिज, लेटराईट एवं गिट्टी) 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।</p>
Revised District Collectorate ( Mining)	Vide District Collectorate ( Mining) Office, Mandasaur No. 2096 dated 22.09.2022
SEAC meeting dated 23/09/22	राज्य स्तरीय मूल्यांकन समिति की 596 वीं बैठक दिनांक 23/09/22 जिला सर्वेक्षण रिपोर्ट, जिला – मंदसौर

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	<p><b>म.प्र.— (रेत खनिज)</b></p> <p>1. पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, नई दिल्ली द्वारा जारी अधिसूचना दिनांक 25/07/2018 की अधिसूचना में निर्देशित की गयी तालिका मे जो लीजवार लंबाई, चौड़ाई एवं गहराई के साथ जो मिनरल पोर्टेंशियल की गणना की गयी है उसको पुनः किया जाना प्रस्तावित है एवं रेत की मात्रा की गणना करने में 0.075, 0.060, 0.037 मीटर का डेटा लेवल गणना की है जो व्यवहारिक तौर पर समझ में नहीं आ रहे। अतः इस तालिका को पुनरिक्षित की जाना प्रस्तावित है।</p>
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आज ही श्रीमति भावना संगर, प्रभारी प्रभारी, खनिज अधिकारी ने समिति के सुझाये अनुसार आवश्यक सुधारा को पूर्ण कर संशोधित जिला सर्वेक्षण पुनः प्रस्तुत की। चर्चा उपरांत समिति ने पाया कि खनि. अधिकारी, कार्यालय कलेक्टर,(खनिज शाखा) जिला— मंदसौर के पत्र क्र0 2096, दिनांक 22/09/22 के माध्यम से तालिका क्र0. निरंक, पेज न0. 04 –09 में माइनेबल मिनरल पोर्टेंशियल (घनमीटर में) 60 प्रतिशत टोटल मिनरल पोर्टेंशियल, लीजवार, लंबाई, चौड़ाई एवं गहराई के साथ दर्शाया है एवं विगत 03 वर्षों के उत्खनित रेत की मात्रा का लीजवार पोर्टेंशियल दिया गया है। मिनरल पोर्टेंशियल की गणना दर्शाने वाली टेबल में आवश्यक संशोधन कर रेत की 60 प्रतिशत माइनेबल पोर्टेंशियल (रेत खनन हेतु) मीट्रिक टन यूनिट में प्रस्तुत कर दी गई है। अतः समिति की अनुशंसा है कि मंदसौर जिले की जिला सर्वेक्षण रिपोर्ट (रेत खनिज) अनुमोदन हेतु विचारार्थ एवं आगामी कार्यवाही हेतु राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण की ओर प्रेषित की जाये।

समिति की यह भी अनुशंसा है कि जिला स्तर पर जिला सर्वेक्षण रिपोर्ट तैयार करने हेतु गठित जिला समिति की अनुशंसा तथा की गई रिप्लेनिशमेंट स्टडी की जानकारी (जिसके आधार पर जिला सर्वेक्षण रिपोर्ट तैयार की गई हैं) संबंधित जिला खनिज अधिकारी कार्यालय में सुरक्षित रखी जाये।

## **20. जिला सर्वेक्षण रिपोर्ट ( रेत खनिज ) शहडोल –**

आज दिनांक 21/9/22 को जिला सर्वेक्षण रिपोर्टो के प्रस्तुतीकरण के दौरान संचानालय, भौमिकी एवं खनिकर्म, विभाग भोपाल से श्री पी.पी. राय एवं श्री प्रमोद शर्मा, खनिज अधिकारी के साथ उपस्थित रहे। जिले की संशोधित शहडोल जिला सर्वेक्षण रिपोर्ट मे पाया गया कि:—

- पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, नई दिल्ली द्वारा जारी अधिसूचना दिनांक 25/07/2018 की अधिसूचना में निर्देशित की गयी तालिका मे जो लीजवार लंबाई, चौड़ाई एवं



राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण म.प्र. की 752वीं बैठक दिनांक 15.10.2022  
का कार्यवाही विवरण

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

".....समिति की अनुशंसा है कि सिवनी 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 सिवनी (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, सिवनी को जिला सर्वेक्षण रिपोर्ट जिला पोर्टल पर अपलोड करवाये जाने एवं संचालक भौमिकी तथा खनिकर्म को सूचित किया जाये।

18. जिला सर्वेक्षण रिपोर्ट - मंदसौर (गौण खनिज (गिट्टी, मुरुम, लेटेराइट, एवं शैल) एवं रेत खनिज)

राज्य स्तरीय समाघात निर्धारण प्राधिकरण द्वारा 752वीं बैठक दिनांक 15.10.2022 में निम्नानुसार निर्णय लिया गया :-

राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति (SEAC) की 594वीं बैठक दिनांक 21/09/2022 में मंदसौर (गौण खनिज (गिट्टी, मुरुम, लेटेराइट, एवं शैल) एवं रेत खनिज) की जिला सर्वेक्षण रिपोर्ट में निम्नानुसार सुझाव सहित अनुशंसा की गई है।


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

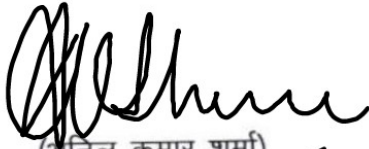
राज्य स्तरीय समाघात निर्धारण प्राधिकरण (SEIAA) द्वारा विस्तृत चर्चा एवं विचार विमर्श उपरांत SEAC की 594वीं बैठक दिनांक 21/09/2022 की अनुशंसा को मान्य करते हुए मंदसौर (गौण खनिज (गिट्टी, मुरुम, लेटेराइट, एवं शैल) एवं रेत खनिज) की जिला सर्वेक्षण रिपोर्ट का अनुमोदन SEAC द्वारा सुझाई गई उपरोक्त अनुशंसाओं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

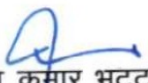
तदनुसार जिला कलेक्टर, मंदसौर को जिला सर्वेक्षण रिपोर्ट जिला पोर्टल पर अपलोड करवाये जाने एवं संचालक भौमिकी तथा खनिकर्म को सूचित किया जाये।

19. जिला सर्वेक्षण रिपोर्ट - अशोकनगर (रेत खनिज)

राज्य स्तरीय समाघात निर्धारण प्राधिकरण द्वारा 752वीं बैठक दिनांक 15.10.2022 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: 1959/SEIAA/2022

Date:

28/10/22

प्रति,

कलेक्टर

जिला - मंदसौर (म.प्र.)

विषय: नवीन जिला सर्वेक्षण रिपोर्ट - मंदसौर (गौण खनिज (गिट्टी, मुरुम, लेटेराइट एवं शैल) एवं रेत खनिज)

संदर्भ: आपका पत्र क्र. 2048/खनिज/2022 दिनांक 19/09/22

राज्य स्तरीय समाघात निर्धारण प्राधिकरण द्वारा 752वीं बैठक दिनांक 15.10.2022 में निम्नानुसार निर्णय लिया गया :-

राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति (SEAC) की 594वीं बैठक दिनांक 21/09/2022 में मंदसौर (गौण खनिज (गिट्टी, मुरुम, लेटेराइट, एवं शैल) एवं रेत खनिज) की जिला सर्वेक्षण रिपोर्ट में निम्नानुसार सुझाव सहित अनुशंसा की गई है।

".....समिति की अनुशंसा है कि मंदसौर जिले की जिला सर्वेक्षण रिपोर्ट (गौण खनिज (गिट्टी, मुरुम, लेटेराइट, एवं शैल) 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 मंदसौर (गौण खनिज (गिट्टी, मुरुम, लेटेराइट, एवं शैल) एवं रेत खनिज) की जिला सर्वेक्षण रिपोर्ट का अनुमोदन SEAC द्वारा सुझाई गई उपरोक्त अनुशंसाओं के साथ किया जाता है। तदनुसार जिला कलेक्टर, मंदसौर 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