

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: 730 / SEIAA/2022

Date: 8/6/22

प्रति,

कलेक्टर,

जिला सीहोर (म.प्र.)

विषय :- नवीन जिला सर्वेक्षण रिपोर्ट - जिला सीहोर के अनुमोदन बावत्।

संदर्भ :- आपका पत्र क्र. 1636 दिनांक 28.05.2022।

उपरोक्त विषयान्तर्गत संदर्भित पत्र के संबंध में लेख है कि SEIAA द्वारा 729वीं बैठक दिनांक 06.06.2022 में जिला सीहोर की नवीन जिला सर्वेक्षण रिपोर्ट अनुमोदन हेतु निम्नानुसार निर्णय लिया गया

"राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति (SEAC) की 569वीं बैठक दिनांक 06/05/22 की अनुशंसा को मान्य करते हुए राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण (SEIAA) द्वारा 725वीं बैठक दिनांक 23.05.2022 में अनुमोदन प्रदान किया गया है। तदोपरान्त SEAC की अनुशंसा के दृष्टिगत कार्यालय कलेक्टर (खनिज शाखा) जिला सीहोर द्वारा पत्र क्रमांक-1636 दिनांक 28/05/22 के माध्यम से संशोधित जिला सर्वेक्षण रिपोर्ट सीधे ही SEAC में प्रस्तुत की गई है, अतः SEAC की अनुशंसा अनुसार संशोधित जिला सर्वेक्षण रिपोर्ट को मान्य किया जाता है। तदनुसार नवीन जिला सर्वेक्षण रिपोर्ट को जिला पोर्टल पर अपलोड की जाये। जिला कलेक्टर, सीहोर एवं संचालक भौमिकी तथा खनिकर्म को सूचित किया जाये।"

उपरोक्त निर्णय के परिपालन में SEAC की अनुशंसा अनुसार संशोधित जिला सर्वेक्षण रिपोर्ट को मान्य किया जाता है। तदनुसार नवीन जिला सर्वेक्षण रिपोर्ट को जिला पोर्टल पर अपलोड की जाये।

(श्रीमन् शुक्ला)

सदस्य सचिव

क्र..

/SEIAA/2022

भोपाल दिनांक

प्रतिलिपि :-

1. संचालक, प्रशासन/तकनीकी, संचालनालय, भौमिकी तथा खनिकर्म, 29-ए, खनिज भवन, अरेरा हिल्स, भोपाल (म.प्र.) की ओर सूचनार्थ।

सदस्य सचिव

कार्यालय कलेक्टर (खनिज) जिला सीहोर (म.प्र.)

क्रमांक / 1636 / खनिज / 2022.

सीहोर, दिनांक 28-05-2022

प्रति,

1. सदस्य सचिव,
SEIAA/SEAC, पर्यावरण परिषद,
ई-5, अरेस कॉलोनी, भोपाल।

विषय - राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति म.प्र. की 573वीं बैठक दिनांक 28.05.2022 में दिश. मंत्र निर्देश प्राप्त।
सादर - राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति म.प्र. की 573वीं बैठक दिनांक 28.05.2022।

उपरोक्त संदर्भित विषयान्तर्गत लेख है कि राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति म.प्र. की 573वीं बैठक दिनांक 28.05.2022 में दिश. मंत्र निर्देशानुसार साही मयी जानकारी जिला सर्वेक्षण रिपोर्ट में संशोधित कर आपको जोर प्रेषित है।

स्व. अधिकारी
जिला सीहोर

प्रति

✓ SEIAA

Examination A put up.
PFCASJ
AC S

State Environmental Impact
Assessment Authority, M.P.
(EPCO)

Receipt No. 571

Date 2/6/22



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: 531 / SEIAA/2022

Date: 23/5/22

प्रति,

कलेक्टर,
जिला सीहोर (म.प्र.)

विषय :- नवीन जिला सर्वेक्षण रिपोर्ट - जिला सीहोर के अनुमोदन बाबत।

संदर्भ :- आपका पत्र क्र. 1181 दिनांक 28.04.2022।

उपरोक्त विषयान्तर्गत संदर्भित पत्र के संबंध में लेख है कि SEIAA द्वारा 725वी बैठक दिनांक 23.05.2022 में जिला सीहोर की नवीन जिला सर्वेक्षण रिपोर्ट अनुमोदन हेतु निम्नानुसार निर्णय लिया गया

*SEIAA की 711वी बैठक दिनांक 09.03.2022 में नवीन जिला सर्वेक्षण रिपोर्ट हेतु लिये गये नीतिगत निर्णय के अनुसार भारत सरकार के पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय द्वारा जारी अधिसूचना दिनांक 15 जनवरी 2016 एवं 25 जुलाई 2018 तथा Sustainable Sand Mining Guidelines 2016 तथा Enforcement and Monitoring Guidelines for Sand 2020 के परिपालन के साथ ही माननीय NGT (स्पेशल बेंच) नई दिल्ली के आदेश दिनांक 22.02.2022 एवं तदुपरांत माननीय NGT (CZ) के द्वारा ओ.ए. नम्बर 10/2022 में पारित आदेश दिनांक 04.03.2022 में दिये गये दिशा निर्देशों के परिपालन में प्राधिकरण द्वारा विस्तृत विचार विमर्श एवं परीक्षण उपरांत कार्यालय कलेक्टर (खनिज शाखा) जिला सीहोर द्वारा गठित जिला स्तरीय/उप संभागीय समिति के परीक्षण एवं अनुशांसा, जिला पोर्टल पर निर्धारित अवधि तक रखे जाने के उपरांत प्राप्त सुझावों के समावेश किये जाने तथा SEAC की 569वी बैठक दिनांक 06.05.2022 की अनुशांसा को मान्य करते हुए सर्व सम्बन्धि से नवीन जिला सर्वेक्षण रिपोर्ट सीहोर का अनुमोदन किया जाता है। तदनुसार जिला कलेक्टर, सीहोर एवं संचालक भौमिकी तथा खनिकर्म को सूचित किया जाये।

उपरोक्त निर्णयानुसार के परिपालन में कृपया प्राधिकरण द्वारा अनुमोदित नवीन जिला सर्वेक्षण रिपोर्ट को सीहोर जिले के 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. संचालक, प्रशासन/तकनीकी, संचालनालय, भौमिकी तथा खनिकर्म, 29-ए, खनिज भवन, अरेरा हिल्स, भोपाल (म.प्र.) की ओर सूचनार्थ।

सदस्य सचिव

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From: Seema mp <mpseiaa@gmail.com> on Wed, 04 May 2022 17:08:09
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3 attachments - Download All

New_Document_299_1.pdf	Final DSR in force dated 2022.pdf	Letter_DSR_Sehora.pdf
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From: District Mining Office Sehora <dmso@sehora.mh.gov.in>
Date: Wed, May 4, 2022 at 5:01 PM

Subject: सस्टेनेबल सेण्ड माईनिंग मैनेजमेंट गाईडलाईन 2016 एवं इनफोर्समेंट मानिट्रिंग फार सेण्ड माईनिंग 2020 के अन्तर्गत रेत खनिज हेतु जिला सर्वेक्षण रिपोर्ट तैयार किये जाने के संबंध में।
To: mpseiaa <mpseiaa@gmail.com>

Please find attached herewith Chhindwara DSR.

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all SEAs
04/05/2022

कार्यालय कलेक्टर (खनिज) जिला सीहोर (म.प्र.)

क्रमांक 1/18/खनिज/2022,
प्रति,

सीहोर, दिनांक - 28.04.2022

सदस्य सचिव,
राज्य स्तरीय पर्यावरण समाघात
निर्धारण प्राधिकरण (सिया) पर्यावरण
परिसर ई-5 अरेरा कालोनी भोपाल



विषय:- सस्टेनेबल सेण्ड माईनिंग मेजेनमेंट गाईडलाईन 2016 एवं इनफोर्समेंट मानिट्रिंग फार सेण्ड माईनिंग 2020 के अन्तर्गत रेत खनिज हेतु जिला सर्वेक्षण रिपोर्ट तैयार किये जाने के संबंध में।
संदर्भ:- संचालक, प्रशासन एवं खनिकर्म मध्यप्रदेश भोपाल का पत्र क्रं-2981 भोपाल दिनांक 03.03.2022।

उपरोक्त संदर्भित विषयान्तर्गत लेख है कि संचालक, प्रशासन एवं खनिकर्म मध्यप्रदेश भोपाल के पत्र क्रं-2981 भोपाल दिनांक 03.03.2022 के परिपालन में सस्टेनेबल सेण्ड माईनिंग मेनजमेंट गाईडलाईन 2016 एवं इनफोर्समेंट मानिट्रिंग फार सेण्ड माईनिंग 2020 गाईडलाईन के तहत जिला सर्वेक्षण रिपोर्ट (डीएसआर) तैयार की जानी है। संदर्भित पत्र के माध्यम से गठित समिति के द्वारा प्रारूप जिला सर्वेक्षण रिपोर्ट (डीएसआर) तैयार कर प्रस्तुत की है।

अतः गठित समिति द्वारा प्रस्तुत प्रारूप जिला सर्वेक्षण रिपोर्ट (डीएसआर) संलग्न कर अग्रिम कार्यवाही हेतु आपकी ओर प्रेषित है।

संलग्न:- उपरोक्तानुसार

कलेक्टर
जिला-सीहोर

पु.क्रमांक / / खनिज / 2022,
प्रतिलिपि:-

सीहोर, दिनांक -

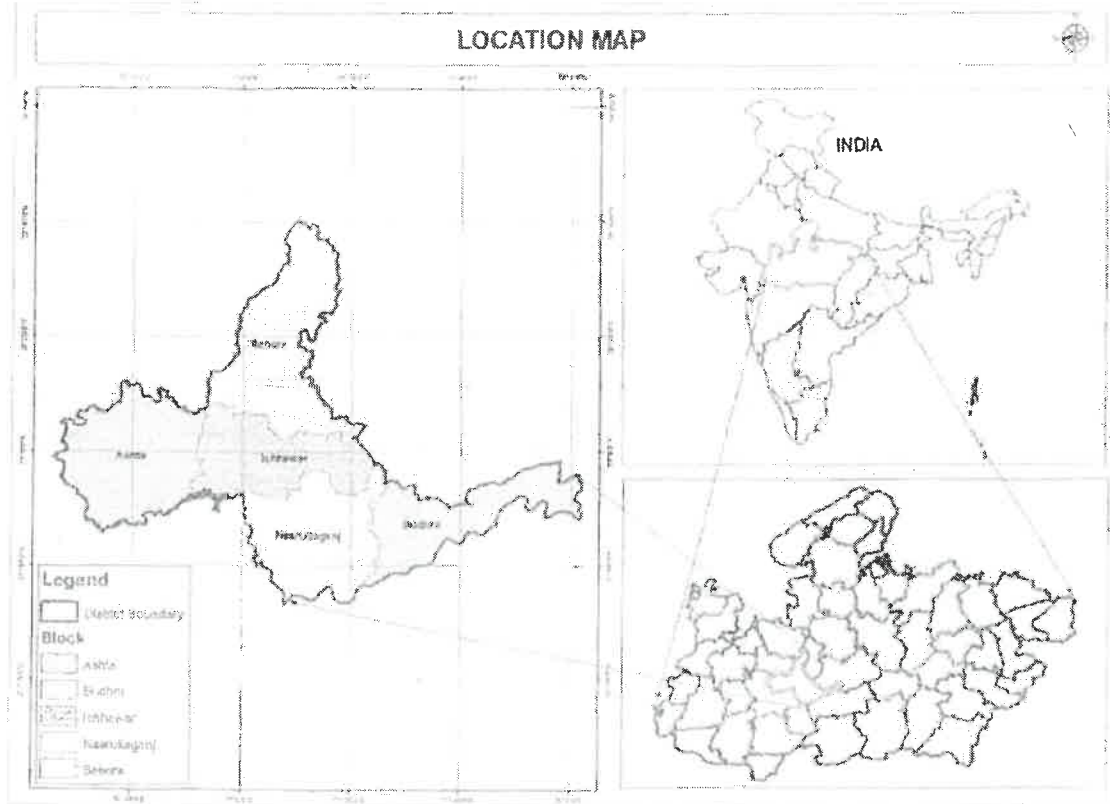
1. प्रमुख सचिव, मध्यप्रदेश शासन खनिज शासन विभाग की ओर सूचनाार्थ।
2. प्रमुख सचिव, मध्यप्रदेश शासन, जल संशोधन, वन विभाग, पर्यावरण विभाग की ओर सूचनाार्थ।
3. संचालक, प्रशासन एवं खनिकर्म मध्यप्रदेश भोपाल की ओर सूचनाार्थ।
4. सदस्य सचिव, मध्यप्रदेश प्रदूषण नियंत्रण बोर्ड, ई-5 पर्यावरण परिसर, अरेरा कालोनी भोपाल।
5. प्रभारी अधिकारी, भौमिकी शाखा, संचालनालय भौमिकी तथा खनिकर्म मध्यप्रदेश भोपाल की ओर सूचनाार्थ।

कलेक्टर
जिला-सीहोर

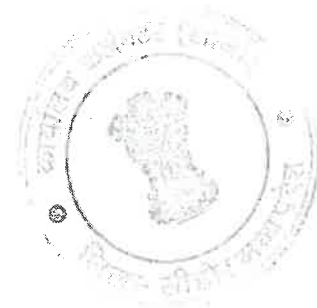
State : M.P.
Assesment : B.P.
(B.P.)
Receipt No. 1/18/2022
Date : 28/4/22

(DISTRICT SURVEY REPORT)

DISTRICT SHORE, M.P.



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 (F) New Delhi, 25th 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.



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

**MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
NOTIFICATION**

New Delhi, the 25th July, 2018

S.O. 3611(E).—Whereas by notification of the Government of India in the Gazette Ministry of Environment and Forest issued vide number S.O. 1533(E), dated the 14th September, 2006 published in the Gazette of India, Extraordinary, Part II, Section 3, Sub-section (ii) (hereinafter referred to as the said notification) directions have been given regarding the prior environmental clearance;

And whereas, the Ministry of Environment, Forest and Climate Change has amended the said Notification vide S.O. 141 (E) dated 15th January, 2016 wherein the procedure for preparation of District Survey Report for minor mineral has been prescribed;

And whereas, the Hon'ble High Court of Madhya Pradesh at Bhopal in its orders dated the 10th April, 2018 and 17th June, 2018 in W.P. (PIL) No. 1806 of 2013, in the matter of Gauri or its Overseas Minors v. the State of Madhya Pradesh & Others with W.P. (PIL) No. 200 of 2013, in the matter of Hemant Kumar Mishra v. the State of Madhya Pradesh & Others, has hereby directed the preparation of District Survey Report for minor minerals other than Sand and Bajri by delegation of the powers for preparation of District Survey Report of minor minerals other than sand and Bajri to the State Government under District Environment Impact Assessment Authority and District Expert Approval Committee;

And whereas, the Central Government hereby in the public interest dispense with the requirement of notice under clause (c) of sub-rule (1) of rule 5 of the Environment Protection Rules, 1986.

Now, therefore in exercise of the powers conferred by sub-section (1) and clause (c) of sub-section (2) of section 3 of the Environment Protection Act, 1986 (29 of 1986) read with sub-rule (1) of rule 5 of the Environment Protection Rules, 1986, the Central Government hereby makes the following further amendments to the notification of the Government of India, in the Gazette Ministry of Environment and Forests vide number S.O. 1533(E), dated the 14th September, 2006, namely:—

In the said notification, for Appendix X, the following shall be substituted, namely:—

“APPENDIX - X

[See paragraph 7 (iii) (6)]

I. PROCEDURE FOR PREPARATION OF DISTRICT SURVEY REPORT FOR SAND MINING OR RIVER BED MINING

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

1. Identification of areas of deposition or deposition where mining can be allowed and identify those areas of erosion and proximity to administrative structures and institutions where mining should be prohibited and calculation of annual loss of replacement and allowing time for replacement after mining in that area.

The report shall have the following structure:

- (1) Introduction;
- (2) overview of Mining Activity in the District;
- (3) the List of Mining Leases in the District with location, area and period of validity;
- (4) details of Royalty or Revenue received in last three years;
- (5) detail of Production of Sand or Bajri or minor mineral in last three years;
- (6) process of Deposition of Sediments in the rivers of the District;
- (7) general Profile of the District;
- (8) land Utilization Pattern in the district: Forest, Agriculture, Horticulture, Mining etc.;
- (9) physiography of the District;

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

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

S. No.	River or Stream	Portion of the river or stream recommended for mineral concession	Length of area recommended for mineral concession (in kilometer)	Average width of area recommended for mineral concession (in meters)	Area recommended for mineral concession (in square meter)	Mineral potential (on basis of total mineral potential)
(1)						
(2)						
Total for the District						

A Sub-Divisional Committee comprising of (i) Sub-Divisional Magistrate, (ii) Officers from (a) Irrigation department, (b) State Pollution Control Board or Committee, (c) Forest department, (d) Geology or mining officer shall visit each site for which environmental clearance has been applied for and make recommendation on suitability of site for mining or prohibition thereof.

Methodology adopted for calculation of Mineral Potential:

The mineral potential is calculated based on field investigation and geology of the catchment area of the river or stream. As per the site conditions and location, depth of available mineral is defined. The area for removal of the mineral in a river or stream can be decided depending on geo-morphology and other factors, it can be 50% to 60% of the area of a particular river or stream. For Example, in some hill States mineral constituents like boulders, river bed, sand up to a depth of one meter, are considered as resource mineral. Other constituents like clay and silt are excluded as waste while calculating the mineral potential of particular river or stream.

The District Survey Report shall be prepared in the district and its draft shall be placed in the public domain by keeping its copy in Collection and posting it on the district's website for twenty one days. The comments received shall be considered and if found correct, shall be incorporated in the final Report to be finalised within six months by the District Environment Impact Assessment Authority.

The District Survey Report shall form the basis for application for environmental clearance, preparation of reports and appraisal of projects. The Report shall be updated once every five years.

II. PROCEDURE FOR PREPARATION OF DISTRICT SURVEY REPORT OF MINOR MINERALS OTHER THAN SAND MINING OR RIVER BED MINING

The District Survey Report shall be prepared for each minor mineral in the district separately and its draft shall be placed in the public domain by keeping its copy in Collection and posting it on district's website for twenty-one days. The comments received shall be considered and if found fit, shall be incorporated in the final Report to be finalised within six months by the DEIAA.

The District Survey Report for minor minerals other than sand mining or River bed mining shall be as per structure mentioned below:-

FORMAT FOR PREPARATION OF DISTRICT SURVEY REPORT FOR MINOR MINERALS OTHER THAN SAND MINING OR RIVER BED MINING

- (1) Introduction;
- (2) overview of Mining Activity in the District;
- (3) general Profile of the District;
- (4) geology of the District;
- (5) drainage of Irrigation pattern;
- (6) Land Utilisation Patterns in the District: Forest, Agricultural, Horticultural, Mining etc.;
- (7) surface Water and Ground Water scenario of the district;

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(8) minifall of the district and climatic condition;

(9) details of the mining leases in the District as per the following format:-

Sl. No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of Lessee	Mining lease Grant Order No. & date	Area of Mining lease (ha)	Period of Mining lease (Initial)		Period of Mining lease (1 st /2 nd ...renewal)	
						From	To	From	To
1	2	3	4	5	6	7	8	9	10

Date of commencement of Mining Operation	Status (Working/Non-Working/Temp. Working for dispatch etc.)	Captive/Non-Captive	Obtained Environmental Clearance (Yes/No), If Yes Letter No with date of grant of EC.	Location of the Mining lease (Latitude & Longitude)	Method of Mining (Opencast/Underground)
11	12	13	14	15	16

(10) details of Royalty or Revenue received in last three years;

(11) details of Production of Minor Mineral in last three years;

(12) mineral Map of the District;

(13) list of Letter of Intent (LOI) Holders in the District along with its validity as per the following format :-

(14) total Mineral Reserve available in the District;

Sl. No.	Name of the Mineral	Name of the Lessee	Address & Contact No. of Letter of Intent Holder	Letter of Intent Grant Order No. & date	Area of Mining lease to be allotted	Validity of Lol	Type (Captive/Non-Captive)	Location of the Mining lease (Latitude & Longitude)
1	2	3	4	5	6	7	8	9

(15) quality /Grade of Mineral available in the District;

(16) use of Mineral;

(17) demand and Supply of the Mineral in the last three years;

(18) mining leases marked on the map of the district;

(19) details of the area of where there is a cluster of mining leases viz. number of mining leases, location (latitude and longitude);

(20) details of Eco Sensitive Area, if any, in the District;

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- (21) impact on the Environment (Air, Water, Noise, Soil, Flora & Fauna, land use, agriculture, forest etc.) due to mining activity;
- (22) remedial Measures to mitigate the impact of mining on the Environment;
- (23) reclamation of Mining (at area) Over practice already implemented in the district, requirement as per rule and regulation, prepared reclamation plan;
- (24) Risk Assessment & Disaster Management Plan;
- (25) details of the Occupational Health Issue in the District (Last five-year data of number of patients of Silicosis & Tuberculosis ailments to be submitted);
- (26) plantation and Green Belt development in respect of leases already granted in the District;
- (27) any other information.

The District Environment Impact Assessment Authority (DEIAA) based on the nature and type of mine mineral in the District may include the additional parameters in the District Survey Report in consultation with the Department of Mines and Geology of the concerned State Government.

The District Survey Report shall form the basis for application for environmental clearance, preparation of reports and approval of projects. The Report shall be updated once every five years.

[F.No.1-11011/26/2018-IA-II(M)]

GYANESH BHARTI, Jr. Secy.

Note: The principal notification was published in the Gazette of India Extraordinary, Part II, Section 3, Sub-section (ii) vide number, S.O. 1533 (E), dated the 14th September, 2006 and subsequently amended by -

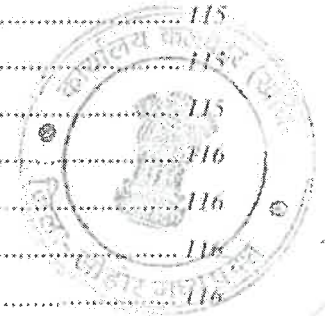
1. S.O. 1049 (E), dated the 13th November, 2006;
2. S.O. 1737 (E), dated the 11th October, 2007;
3. S.O. 3067 (E), dated the 1st December, 2009;
4. S.O. 605 (E), dated the 3rd April, 2011;
5. S.O. 156 (E), dated the 25th January, 2012;
6. S.O. 2886 (E), dated the 13th December, 2012;
7. S.O. 674 (E), dated the 13th March, 2013;
8. S.O. 2204 (E), dated the 19th July, 2013;
9. S.O. 2555 (E), dated the 21st August, 2013;
10. S.O. 2859 (E), dated the 22nd August, 2013;
11. S.O. 2751 (E), dated the 9th September, 2013;
12. S.O. 562 (E), dated the 26th February, 2014;
13. S.O. 637 (E), dated the 28th February, 2014;
14. S.O. 1599 (E), dated the 25th June, 2014;
15. S.O. 2601 (E), dated the 7th October, 2014;
16. S.O. 2600 (E), dated the 9th October, 2014;
17. S.O. 3252 (E), dated the 22nd December, 2014;
18. S.O. 382 (E), dated the 3rd February, 2015;
19. S.O. 811 (E), dated the 23rd March, 2015;
20. S.O. 996 (E), dated the 10th April, 2015;

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Table of Contents

1	Introduction.....	1
	Surrounding Districts	3
	Location of the District.....	5
2	Overview of Mining Activity in the District.....	7
3	Minor Minerals Mined in the District.....	8
4	Details of Licensing Fee received in last three years for Sand and Minor Mineral Mine lease (2018-19, 2019-20 and 2020-21).....	90
5	Details of Sand and Minor Mineral Production in last 3 years.....	91
6	Formation of sand.....	92
	Sources of sand.....	94
	Natural Sources.....	94
	Manufactured Sand.....	95
	Sand Mining.....	97
7	General Profile of the District	99
	Census Data 2011.....	101
8	Land utilization Pattern in the District: Forest, Agricultural, Mining etc	102
9	Physiography of the District	105
10	Rainfall of the District and Climate Conditions	105
	Rainfall.....	105
	Climatic Conditions.....	106
11	Geology of the District	106
12	Drainage and Irrigation Pattern	109
	Drainage Pattern	109
	Irrigation Practices	109
13	Surface Water and Ground water scenario of the District.....	112
	Ground Water	112
	Surface Water	112
14	Details of Eco – Sensitive Area, if any, in the District	115
15	Impact on the Environment due to Mining Activity	115
	Air.....	115
	Water Impact	116
	Noise.....	116
	Land Environment	116
	Flora and Fauna.....	116
16	Remedial Measure to mitigate the impact of Mining on the Environment.....	117
	Air.....	117
	Water.....	117
	Noise.....	118



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Land Environment	118
Biological Environment.....	118
17 Reclamation of Mined out area	119
18 Sand Replenishment Plan and Projections	119
Sand Replenishment Assessment.....	119
19 Need for Sand Replenishment Study and Factors to be considered	121
Aggradations and Degradation Study.....	128
20 Risk Assessment & Disaster Management Plan.....	133
General Responsibilities during an Emergency	133
Co-ordination with Local Authorities	133
21 Details of the Occupational Health issues in the District	134
22 Plantation and Green Belt Development in respect of lease granted in the District	137

List of Tables

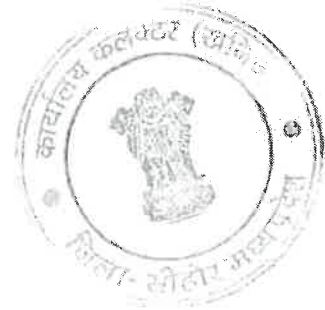
Table 1 Administrative Setup of the District	4
Table 2 Minor Mineral Mining in the District.....	7
Table 3 Sand Mines in the District.....	9
Table 4 Minor Mineral List for the District.....	32
Table 5 Licensing Fee received in last three years for Sand Mine lease.....	90
Table 6 Licensing Fee received in last three years for Mineral Mine lease	90
Table 7 Sand Production in last 3 years	91
Table 8 Minor Mineral Production in last 3 years	91
Table 9 Census Data for year 2011	101
Table 10 Land Use Pattern of the Study Area.....	102
Table 11 Geological Profile of the District.....	107
Table 12 Details of Catchment Area	115
Table 13 Sand Mining Area based on Post Monsoon Map	123
Table 14 Sand Mining Area based on Pre-Monsoon Map.....	125
Table 15 Comparative Study: Pre and Post Monsoon Scenarios.....	125
Table 16 Block Wise Details of Aggradations and Degradations	130
Table 17 Drainage System with description of main Rivers	130
Table 18 Salient Features of Important Rivers and Streams	131
Table 19 Details of the Concession area in the District	131
Table 20 Details of Annual Deposition	132
Table 21 Number of Health Centres in Sehore District.....	136
Table 22 Recommended Plant species for green belt development/plantation.....	138

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List of Figures

Figure 1 Location Map of District.....	5
Figure 2 Base Map of the District.....	6
Figure 3 Minor Mineral Production in the District.....	7
Figure 4 Conducive Areas for sand deposition.....	96
Figure 5 Land Use and Land Cover Map of the District.....	103
Figure 6 Land Use and Land Cover Breakup of the District.....	104
Figure 7 Geological Map of the District.....	107
Figure 8 Geomorphologic Map of the District.....	108
Figure 9 Drainage Map of the District.....	111
Figure 10 Water Resources Map of the District.....	113
Figure 11 Catchment Map.....	114
Figure 12 Sand Mining Map of the District – Post Monsoon.....	122
Figure 13 Sand Mining Map of the District – Pre Monsoon.....	124
Figure 14 Aggradations Map of the District.....	128
Figure 15 Degradation Map of the District.....	129



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(District Survey Report – Sehore)

Introduction -

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

The process of making a DSR includes:

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

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

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

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

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

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

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

Surrounding Districts

Sehore district is lying in the central part of Madhya Pradesh. It is in Bhopal commissioner's division and is well connected by roads and railway. National Highway 67, connecting Bhopal and Dewas passes through the district. Sehore is 39 Km away from state capital Bhopal towards south and on Bhopal-Indore highway. Its height from the sea level is 1500 ft. to 2000 ft. It is also connected to Western Railway from Bhopal to Ratlam. District area is 6578 Km. Sehore is surrounded by Seven districts i.e. Bhopal, Raisen, Hoshangabad, Dewas, Shajapur, Rajgarh, and Harda. Sehore district with an area of 6579 km² lying between the North Latitudes 22 00 33' 30" and 23 00 40' 25" and East Longitudes 78 00 26' 00" and 78 00 02' 00" and falls under the Survey of India topo sheet No. 55A, 55B, 55F and 55F. Sehore district forms the part of Malwa plateau with an undulating topography. Sehore district is primarily an agricultural district occupying the Chambal and Narmada basin valley, having predominantly an agricultural economy. Agriculture is the main occupation of the people in the district. Wheat, Rice, Jawar, Maize and Soyabean are the major crops sown in the district. Ground water has an important role to play for irrigation.

Origin of the Name: "Sidhhapur" is the old name of Sehore. According to a rock- edict found from the river Seevan, it got its name from "Sidrapur". According to an old document Sehore has got its name from the Anglo- Indian perversion of "Sher" or Lion as pronounced by the Britishers, since lion or "Shers" were in the great numbers in the nearby jungles.

History: Sehore stands in the foot hills of Vindhyaachal Range in the middle of Malwa region. Sehore has a long and glorious past. Shaiva, Shakta, Jain, Vaishnav, Budhists and Nath priests made Sehore a significant seat of their deep meditation. Sehore was a part of Bhopal estate. After formation of Madhya Pradesh, the state capital Bhopal was a part of the Sehore district. It was bifurcated in 1972 and a new district Bhopal was formed.

Ancient lore states that Maharshi Patanjali, the illustrious founder of a Yoga sect, also spent some time here in prayer, penance and worship. Folklore also points to the visits of Lord

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Rama, Laxman and Sita to different places in and around Sehore. Sehore has many temples, Mutts, Shrines, Mosques and Churches of historical antiquity and religious significance. Sehore, thus, boasts of a glorious tradition of communal harmony and culture.

Sehore has been an integral part of Awanti. Later on, it was under the tutelage of the Magadh dynasty, Chandragupta-1, Harshavardhan, Ashoka, Raja Bhoj, Peshwa chiefs, Rani Kamalapati and the Nawabs of the Bhopal dynasty. Sehore remained the headquarters of the political agent and resident of the British Raj till Indian independence in 1947. Rivers big and small abound in the landscape of Sehore. Narmada, Parwati, Dudhi, Newaj, Kolar, Papnas, Kulans, Seewan, Lotia and other rivers tell a sad tale of lost splendor in the form of scattered idols found in them. Idols of Lord Vishnu, Ganesh, Shiva, Parvati, Nandi, Garuda, Lord Mahavira, Gautam Buddha, Apsaras and fairies have been found in different forms and postures.

General Features -

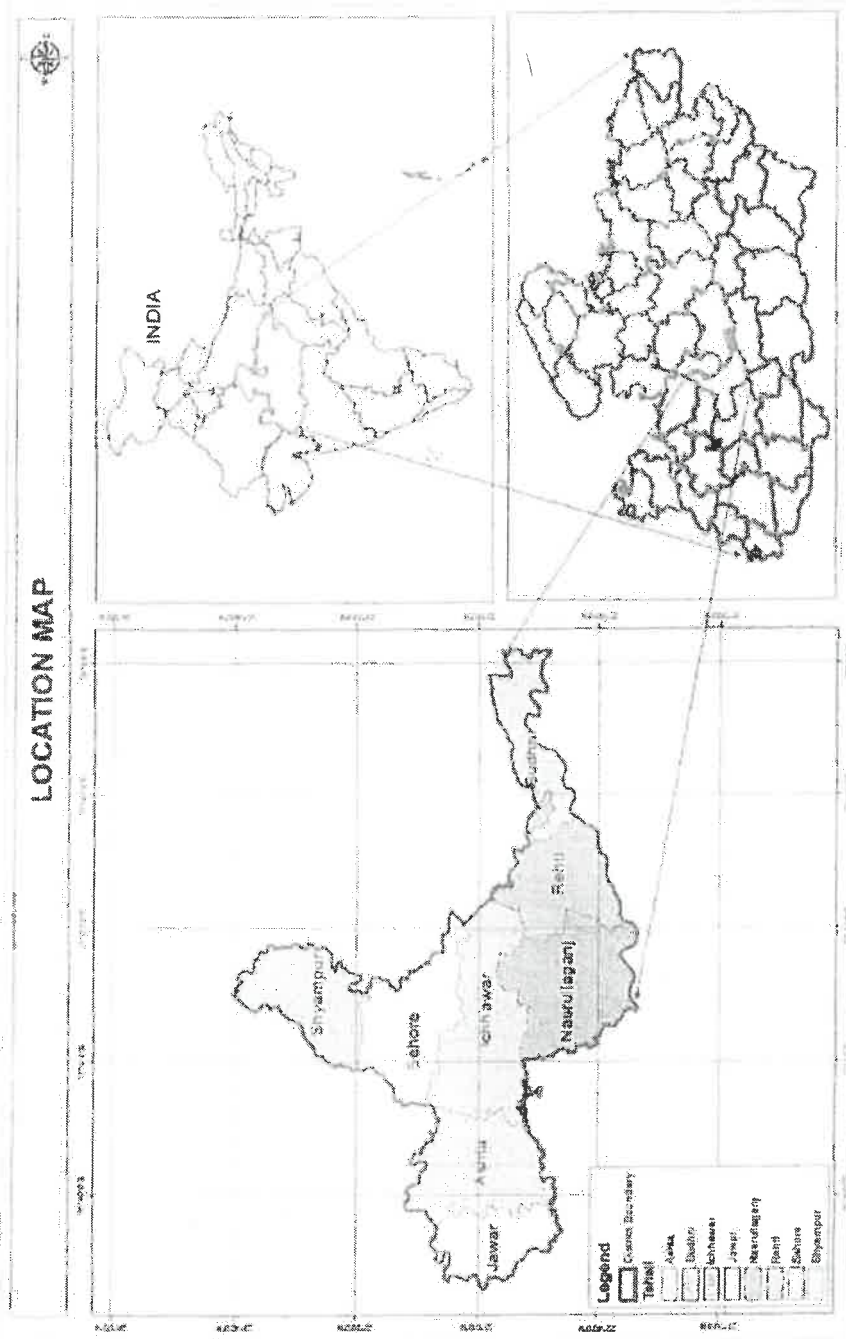
Administrative Setup of the District

<u>District</u>	<u>Block</u>	<u>Tehsil</u>
Sehore	Sehore	Ashta
	Ashta	Budni
	Icchawar	Icchawar
	Narsullaganj	Jawar
	Budani	Narsullaganj
		Rehti
		Sehore
		Shyampur
Total	5	8

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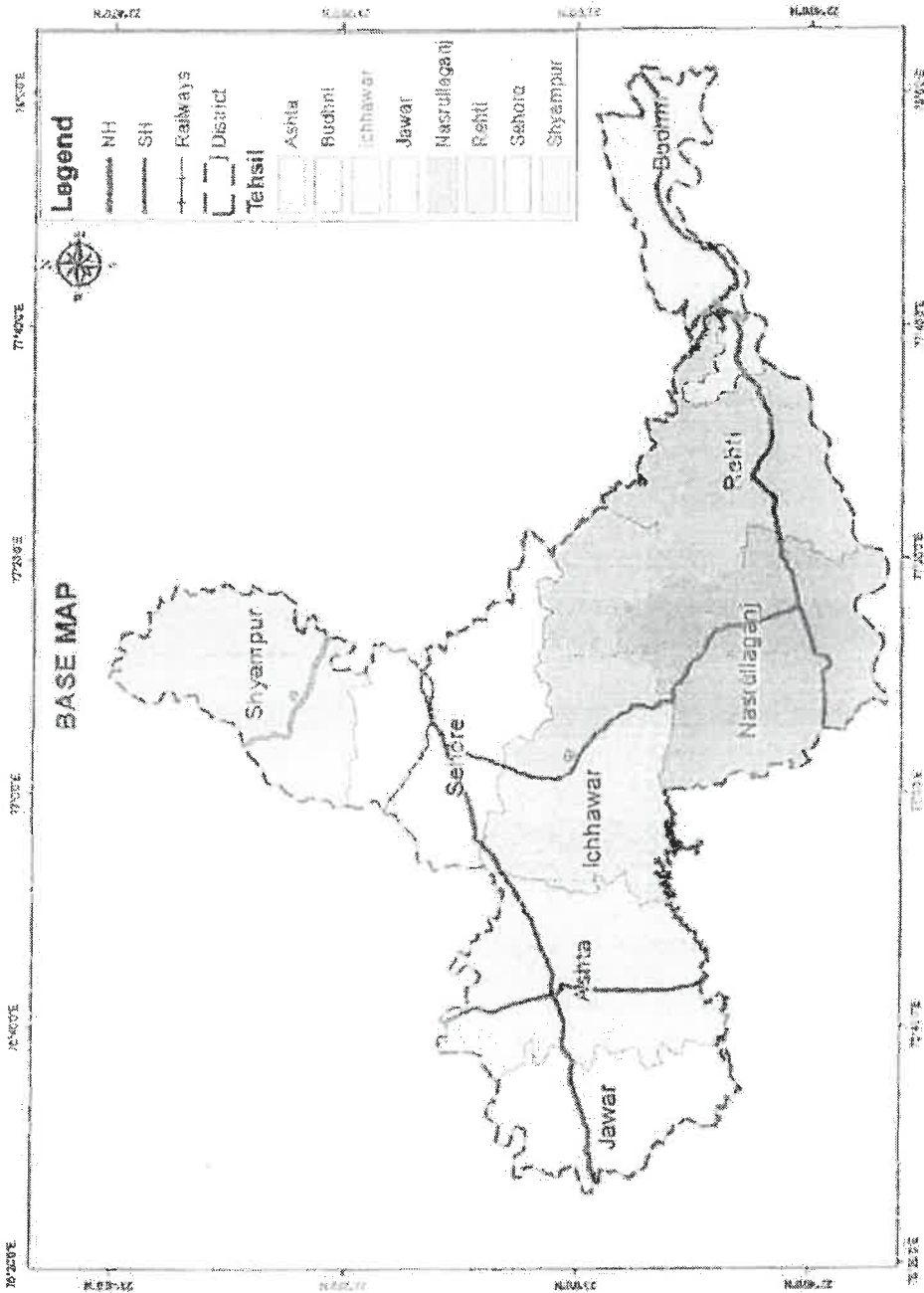
Location of the District



Location Map of District

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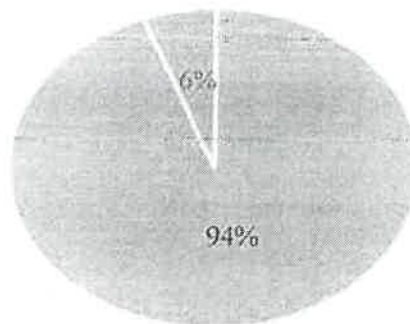
Overview of Mining Activity in the District -

Major minerals are not found in the district. Mostly minor minerals are found in the district which includes Stone, Ballast, Murrum and sand. Stone is mostly mined in the district and illegal mining has been a critical problem in the district.

Minor Mineral Mining in the District

S. No.	Miner Minerals	No. of Leases	Total Area (Hectare)
Major minerals			
1.	Nil	Nil	Nil
Minor minerals			
1	Stone (Ballast crusher machine)	202	461.819
2	Murrum	17	42.200
3	Sand	31	483.70
Total		250	987.719

Minor Mineral Production in the District

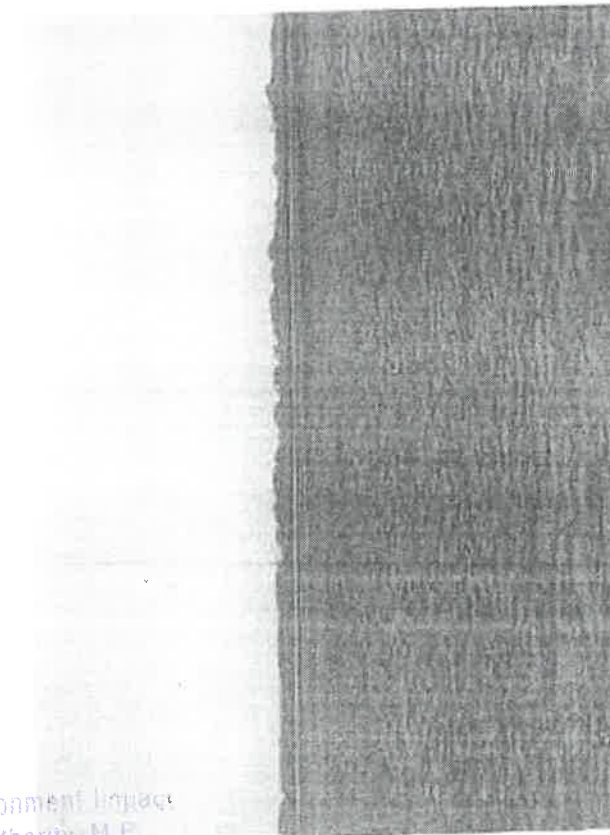
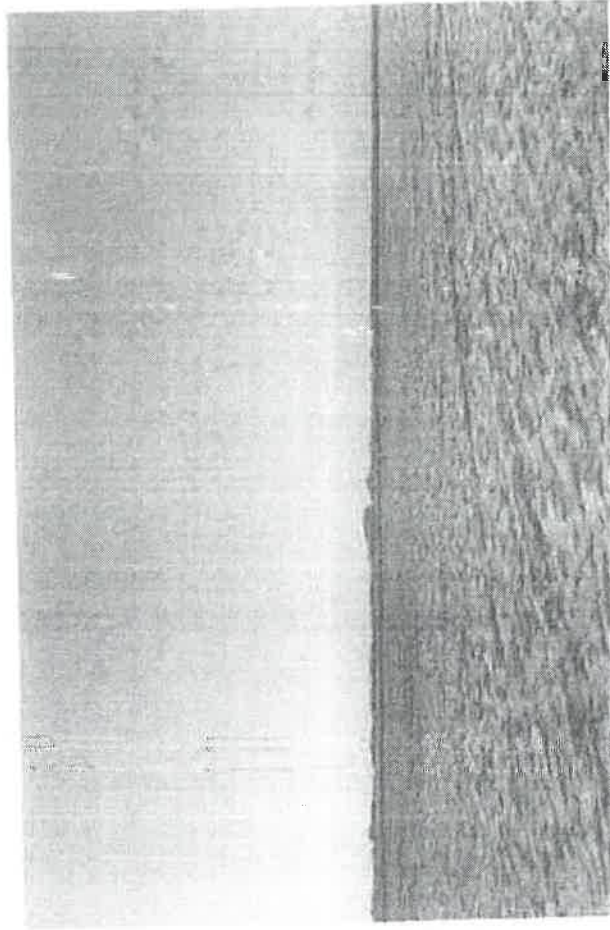


Minor Mineral Production in the District Total Mined Area (Ha) : 987.719

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LIST OF SAND MINERALS APPROVED MINES			
S.NO.	TEHSIL NAME	SAND	
		AREA IN HEC.	NO. OF LEASE
1	NASRULLAGANG	175.248	10
2	REHTI	136.674	10
3	BUDHNI	171.778	11
TOTAL		483.70	31



SAND MINES

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Sand Mines in the District

S N O.	MINE TYPE	MINE CODE	MINERAL	LEASE PERIOD FRM	LEASE PERIOD TO	LEASE AREA (IN HEC.)	END USE	METHOD OF MINE	NAME OF LEASE	CONTACT NO.	EMAIL ID	GRA M PANC HAYA T	VILL AGE	KHAS RA NO.	LATITUDE/ LONGITUDE	CURRENT STATUS
1	QUARR Y LEASE	NAS00 1	SAND	20-02-2020	30-08-2023	23.170	SALE	AS PER M.P. SAND MINING RULES 2019 RULE 3 (6)	POWER MECH PROJECT LMT SHIRI KOTA KRISHNA PRAVEEN	9989237779	ksk@powermech.org	DIMAB R	DIMA BR 506/506	508/50	A 22°33'43.34"N 77°19'32.26"E B 22°33'56.39"N 77°20'1.53"E C 22°33'51.22"N 77°20'6.68"E D 22°33'56.03"N 77°19'33.78"E	OPERATED MINE
2	QUARR Y LEASE	NAS00 2	SAND	20-02-2020	30-08-2023	21.582	SALE	AS PER M.P. SAND MINING RULES 2019 RULE 3 (6)	POWER MECH PROJECT LMT SHIRI KOTA KRISHNA PRAVEEN	9989237779	ksk@powermech.org	AMBA AZDI ZDID	AMBA AZDI D 224	224	A 22°33'42.18"N 77°19'9.79"E B 22°33'46.44"N 77°19'31.18"E C 22°33'56.03"N 77°19'33.78"E D 22°33'53.13"N 77°19'10.30"E	OPERATED MINE
3	QUARR Y LEASE	NAS00 3	SAND	20-02-2020	30-08-2023	23.341	SALE	AS PER M.P. SAND MINING RULES 2019 RULE 3 (6)	POWER MECH PROJECT LMT SHIRI KOTA KRISHNA PRAVEEN	9989237779	ksk@powermech.org	AMBA AZDI ZDID	AMBA AZDI D 233	233	A 22°33'43.17"N 77°18'43.77"E B 22°33'42.18"N 77°19'9.79"E C 22°33'51.86"N 77°19'9.90"E D 22°33'53.07"N 77°18'43.83"E	OPERATED MINE
4	QUARR Y LEASE	NAS00 4	SAND	20-02-2020	30-08-2023	20.000	SALE	AS PER M.P. SAND MINING RULES 2019 RULE 3 (6)	POWER MECH PROJECT LMT SHIRI KOTA KRISHNA PRAVEEN	9989237779	ksk@powermech.org	AMBA AZDI ZDID	AMBA AZDI D 223	223	A 22°33'46.26"N 77°18'23.17"E B 22°33'43.17"N 77°18'43.77"E C 22°33'53.07"N 77°18'43.43"E D 22°33'37.51"N 77°18'19.25"E	OPERATED MINE
5	QUARR Y LEASE	NAS00 5	SAND	20-02-2020	30-08-2023	24.290	SALE	AS PER M.P. SAND MINING RULES 2019 RULE 3 (6)	POWER MECH PROJECT LMT SHIRI KOTA KRISHNA PRAVEEN	9989237779	ksk@powermech.org	AMBA AZDI ZDID	AMBA AZDI D 222	222	A 22°33'56.99"N 77°17'52.46"E B 22°33'47.24"N 77°18'17.57"E C 22°33'56.39"N 77°18'14.47"E D 22°33'47.01"N 77°17'48.66"E	IT HAS COME TO KNOWLEDGE OF THE CONCERNED AUTHORITIES OR APPLICANT THAT SAND IS NOT AVAILABLE IN


6	QUARRY LEASE	NAS006	SAND	20-02-2020	30-08-2023	16.032	SALE	AS PER M.P. SAND MINING RULES 2019 RULE 3 (6)	POWER MECH PROJECT LIMIT SHRI KOTA KRISHNA PRAVEEN	9988237779	Kota	BADG AON	BADG AON	BADG AON	178	A 22°34'11.83"N 77°17'34.20"E B 22°33'56.92"N 77°17'51.85"E C 22°33'52.11"N 77°17'48.82"E D 22°34'4.03"N 77°17'28.03"E	OPERATED MINE
7	QUARRY LEASE	NAS007	SAND	20-02-2020	30-08-2023	21.793	SALE	AS PER M.P. SAND MINING RULES 2019 RULE 3 (6)	POWER MECH PROJECT LIMIT SHRI KOTA KRISHNA PRAVEEN	9988237779	Kota	BADG AON	BADG AON	BADG AON	155.1	A 22°34'30.37"N 77°17'17.85"E B 22°34'11.85"N 77°17'34.20"E C 22°34'4.03"N 77°17'28.03"E D 22°34'23.80"N 77°17'10.89"E	OPERATED MINE

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8	QUARRY LEASE	NAS009	SAND	20-02-2020	30-08-2023	4.000	SALE	AS PER M.P. SAND MINING RULES 2019 RULE 3 (6)	POWER MECH PROJECT LMT SHIRI KOTA KRISHNA PRAVEEN	9889237779	9889237779	9889237779	9889237779	BADG AON	BADG AON	1	A 22°34'45.21"N 77°17'9.73"E B 22°34'45.10"N 77°17'5.37"E C 22°34'58.07"N 77°17'0.65"E D 22°34'58.18"N 77°17'4.22"E	OPERATED MINE
9	QUARRY LEASE	NAS009	SAND	20-02-2020	30-08-2023	16.100	SALE	AS PER M.P. SAND MINING RULES 2019 RULE 3 (6)	POWER MECH PROJECT LMT SHIRI KOTA KRISHNA PRAVEEN	9889237779	9889237779	9889237779	9889237779	NEEL KANT H	NEEL KANT ANTH	79	A 22°36'22.60"N 77°16'27.90"E B 22°36'27.36"N 77°16'45.25"E C 22°36'27.88"N 77°16'38.42"E D 22°36'16.54"N 77°16'23.21"E	DECLARED MINES
10	QUARRY LEASE	NAS010	SAND	20-02-2020	30-08-2023	5.000	SALE	AS PER M.P. SAND MINING RULES 2019 RULE 3 (6)	POWER MECH PROJECT LMT SHIRI KOTA KRISHNA PRAVEEN	9889237779	9889237779	9889237779	9889237779	CHIN DGA ONK ANC HI	CHIND GAON KANCH 1	63	A 22°35'52.42"N 77°16'32.30"E B 22°35'53.85"N 77°16'36.72"E C 22°35'59.84"N 77°16'42.79"E D 22°35'38.61"N 77°16'39.83"E	DECLARED MINES
		TOTAL AREA				175.246												
		NO OF OPERATED SAND MINES				07												
		NO OF DECLARED SAND MINES				03												
		TOTAL MINES IN MASRULLAGANJ				10												

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S. NO.	MINE TYPE	MINE CODE	MINERAL	LEASE PERIOD FRM	LEASE PERIOD TO	LEASE AREA (IN HEC)	END USE	METHOD OF MINE	NAME OF LEASE	CONTACT NO.	EMAIL ID	GRAM PANCH AYAT	VILL AGE	KHASKR A NO.	LATITUDE/LONGITUDE	CURRENT STATUS
1	QUARRY LEASE	REH001	SAND	20-02-2020	30-08-2023	4.000	SALE	AS PER M.P. SAND MINING RULES 2019 RULE 3 (6)	POWER MECH PROJECT LMT SHIRI KOTA KRISHNA PRAVEEN	9989237779	9989237779	BABRI	BABRI	363/1	A 22°36'40.37"N 77°22'7.43"E B 22°36'40.81"N 77°22'14.55"E C 22°36'34.86"N 77°22'17.03"E D 22°36'33.30"N 77°22'10.18"E	OPERATED MINE
2	QUARRY LEASE	REH002	SAND	20-02-2020	30-08-2023	20.500	SALE	AS PER M.P. SAND MINING RULES 2019 RULE 3 (6)	POWER MECH PROJECT LMT SHIRI KOTA KRISHNA PRAVEEN	9989237779	9989237779	BABRI	BABRI	363/1	A 22°36'23.45"N 77°21'25.84"E B 22°36'40.27"N 77°22'7.43"E C 22°36'34.05"N 77°22'9.88"E D 22°36'18.06"N 77°21'30.43"E	OPERATED MINE
3	QUARRY LEASE	REH003	SAND	20-02-2020	30-08-2023	11.140	SALE	AS PER M.P. SAND MINING RULES 2019 RULE 3 (6)	POWER MECH PROJECT LMT SHIRI KOTA KRISHNA PRAVEEN	9989237779	9989237779	JANJANA	JANJANA	245	A 22°36'59.07"N 77°22'50.64"E B 22°36'35.17"N 77°22'49.88"E C 22°36'35.00"N 77°22'17.77"E D 22°36'39.44"N 77°22'17.78"E	OPERATED MINE
4	QUARRY LEASE	REH004	SAND	20-02-2020	30-08-2023	8.093	SALE	AS PER M.P. SAND MINING RULES 2019 RULE 3 (6)	POWER MECH PROJECT LMT SHIRI KOTA KRISHNA PRAVEEN	9989237779	9989237779	NEHLAI	NEHLAI	120	A 22°37'33.89"N 77°25'58.45"E B 22°37'37.35"N 77°25'53.91"E C 22°37'39.50"N 77°25'52.31"E D 22°37'41.42"N 77°25'58.61"E E 22°37'34.63"N 77°26'0.55"E F 22°37'30.99"N 77°25'58.85"E	DECLARED MINES


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5	QUARR Y LEASE	REH00 5	SAND	20-02-2020	30-08-2023	5.140	SALE	AS PER M.P. SAND MINING RULES 2019 RULE 3 (6)	POWER MECH PROJECT LMT SHIRI KOTA KRISHNA PRAVEEN	9989237779	MOU M.P. SAND MINING RULES 2019 RULE 3 (6)	CHARU A	CHA RUA	146	A 22°40'15.71"N 77°32'57.97"E B 22°40'17.06"N 77°33'16.27"E C 22°40'13.89"N 77°33'16.32"E D 22°40'12.91"N 77°32'58.12"E	DECLARED MINES
6	QUARR Y LEASE	REH00 6	SAND	20-02-2020	30-08-2023	15.80 1	SALE	AS PER M.P. SAND MINING RULES 2019 RULE 3 (6)	POWER MECH PROJECT LMT SHIRI KOTA KRISHNA PRAVEEN	9989237779	MOU M.P. SAND MINING RULES 2019 RULE 3 (6)	JAHAIJ URA	IAHA JPUR A	241	A 22°40'17.25"N 77°33'16.73"E B 22°40'19.67"N 77°33'38.52"E C 22°40'11.49"N 77°33'40.09"E D 22°40'9.55"N 77°33'16.97"E	OPERATED MINE
7	QUARR Y LEASE	REH00 7	SAND	20-02-2020	30-08-2023	23.00 0	SALE	AS PER M.P. SAND MINING RULES 2019 RULE 3 (6)	POWER MECH PROJECT LMT SHIRI KOTA KRISHNA PRAVEEN	9989237779	MOU M.P. SAND MINING RULES 2019 RULE 3 (6)	JAHAIJ URA	IAHA JPUR A	300	A 22°40'19.66"N 77°33'40.91"E B 22°40'25.05"N 77°34'10.89"E C 22°40'17.39"N 77°34'14.32"E D 22°40'10.59"N 77°33'43.25"E	OPERATED MINE
8	QUARR Y LEASE	REH00 8	SAND	20-02-2020	30-08-2023	23.00 0	SALE	AS PER M.P. SAND MINING RULES 2019 RULE 3 (6)	POWER MECH PROJECT LMT SHIRI KOTA KRISHNA PRAVEEN	9989237779	MOU M.P. SAND MINING RULES 2019 RULE 3 (6)	JAHAIJ URA	IAHA JPUR A	300.31 1	A 22°40'25.06"N 77°34'10.89"E B 22°40'40.61"N 77°34'47.18"E C 22°40'36.95"N 77°34'51.17"E D 22°40'17.39"N 77°34'14.32"E	OPERATED MINE
9	QUARR Y LEASE	REH00 9	SAND	20-02-2020	30-08-2023	20.00 0	SALE	AS PER M.P. SAND MINING RULES 2019 RULE 3 (6)	POWER MECH PROJECT LMT SHIRI KOTA KRISHNA PRAVEEN	9989237779	MOU M.P. SAND MINING RULES 2019 RULE 3 (6)	NINOR	NIN OR	649	A 22°42'52.57"N 77°35'53.44"E B 22°43'18.62"N 77°36'16.77"E C 22°43'15.32"N 77°36'20.80"E D 22°42'47.71"N 77°35'58.92"E	DECLARED MINES
10	QUARR Y LEASE	REH01 0	SAND	20-02-2020	30-08-2023	5.000	SALE	AS PER M.P. SAND MINING RULES 2019 RULE 3 (6)	POWER MECH PROJECT LMT SHIRI KOTA KRISHNA PRAVEEN	9989237779	MOU M.P. SAND MINING RULES 2019 RULE 3 (6)	MATTA GAON	MAT TAG AON	177/16 6	A = 22 36 29.63 N 77 23 43.16 E B = 22 36 31.56 N 77 23 43.16 E C = 22 36 27.11 N 77 23 44.29 E D = 22 36 25.36 N 77 23 31.62 E	DECLARED MINES

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 10/08/2023
 10/08/2023

S.N O.	MINE CODE	MINERAL	LEASE PERIOD FRM	LEASE PERIOD TO	LEA SE AR EA (IN HE C)	END USE	METHOD OF MINE	NAME OF LEASE	CONTACT NO.	EMAIL ID	GRAM PANCHAYAT	VILLAGE	KHASR A NO.	LATITUDE/ LONGITUDE	CURRENT STATUS
1	QUARR Y LEASE BUDHO 01	SAND	20-02-2020	30-08-2023	20.995	SALE	AS PER M.P. SAND MINING RULES 2019 RULE 3 (5)	POWER MECH PROJECT LMT SHIRI KOTA KRISHNA PRAVEEN	9989237779	Kota@powermechshirikiota@gmail.com	MAHUKALAN	MAHUKALAN	263/212	A 22°44'8.17"N 77°39'30.78"E B 22°44'5.67"N 77°39'59.52"E C 22°43'58.13"N 77°40'1.71"E D 22°44'0.40"N 77°39'28.35"E	OPERATED MINE
2	QUARR Y LEASE BUDHO 02	SAND	20-02-2020	30-08-2023	20.242	SALE	AS PER M.P. SAND MINING RULES 2019 RULE 3 (5)	POWER MECH PROJECT LMT SHIRI KOTA KRISHNA PRAVEEN	9989237779	Kota@powermechshirikiota@gmail.com	JOSHIPUR	JOSHIPUR	149/1	A 22°45'56.17"N 77°43'18.69"E B 22°45'46.15"N 77°43'43.61"E C 22°45'36.56"N 77°43'43.54"E D 22°45'50.49"N 77°43'15.48"E	OPERATED MINE
3	QUARR Y LEASE BUDHO 03	SAND	20-02-2020	30-08-2023	16.667	SALE	AS PER M.P. SAND MINING RULES 2019 RULE 3 (6)	POWER MECH PROJECT LMT SHIRI KOTA KRISHNA PRAVEEN	9989237779	Kota@powermechshirikiota@gmail.com	BAGBAD	BAGBADA	352/340	A 22°45'45.88"N 77°43'44.28"E B 22°45'42.98"N 77°44'1.59"E C 22°45'32.84"N 77°44'1.51"E D 22°45'33.97"N 77°43'43.57"E	OPERATED MINE
4	QUARR Y LEASE BUDHO 04	SAND	20-02-2020	30-08-2023	18.107	SALE	AS PER M.P. SAND MINING RULES 2019 RULE 3 (6)	POWER MECH PROJECT LMT SHIRI KOTA KRISHNA PRAVEEN	9989237779	Kota@powermechshirikiota@gmail.com	BAGBAD	BAGBADA	352/340	A 22°45'42.55"N 77°44'3.07"E B 22°45'45.61"N 77°44'22.65"E C 22°45'35.80"N 77°44'25.47"E D 22°45'32.97"N 77°44'3.75"E	DECLARED MINES
5	QUARR Y LEASE BUDHO 05	SAND	20-02-2020	30-08-2023	7.000	SALE	AS PER M.P. SAND MINING RULES 2019 RULE 3 (6)	POWER MECH PROJECT LMT SHIRI KOTA KRISHNA PRAVEEN	9989237779	Kota@powermechshirikiota@gmail.com	SHAHGANU	SHAHGANU	896/1	A 22°51'4.14"N 77°48'32.25"E B 22°51'11.47"N 77°49'9.21"E C 22°51'7.09"N 77°49'11.12"E D 22°51'0.34"N 77°48'33.45"E	DECLARED MINES

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6	QUARR Y LEASE	BUDHO 06	SAND	20-02-2020	30-08-2023	16. 817	SALE	AS PER M.P. SAND MINING RULES 2019 RULE 3 (6)	POWER MECH PROJECT LMT SHIRI KOTA KRISHNA PRAVEEN	9989237779	KOTA-SHIRI CH.DEL	SARDAR NAGAR	SARDAR NAGAR	893/85 2.852	A 22°48'51.21"N 77°52'33.67"E B 22°49'44.88"N 77°52'31.36"E C 22°49'48.01"N 77°52'16.64"E D 22°49'51.04"N 77°52'17.93"E E 22°50'5.38"N 77°51'55.62"E F 22°50'7.41"N 77°51'58.50"E	OPERATED MINE
7	QUARR Y LEASE	BUDHO 07	SAND	20-02-2020	30-08-2023	14. 000	SALE	AS PER M.P. SAND MINING RULES 2019 RULE 3 (6)	POWER MECH PROJECT LMT SHIRI KOTA KRISHNA PRAVEEN	9989237779	KOTA-SHIRI CH.DEL	JANWAS A	JANWASA	154	A 22°48'39.30"N 77°56'11.21"E B 22°48'54.31"N 77°56'30.48"E C 22°48'44.85"N 77°56'32.46"E D 22°48'33.15"N 77°56'11.43"E	OPERATED MINE
8	QUARR Y LEASE	BUDHO 08	SAND	20-02-2020	30-08-2023	20. 000	SALE	AS PER M.P. SAND MINING RULES 2019 RULE 3 (6)	POWER MECH PROJECT LMT SHIRI KOTA KRISHNA PRAVEEN	9989237779	KOTA-SHIRI CH.DEL	JANWAS A	JANWASA	155/1/ 1	A 22°48'39.97"N 77°55'30.38"E B 22°48'39.96"N 77°55'45.29"E C 22°48'24.04"N 77°55'45.53"E D 22°48'24.02"N 77°55'55.65"E E 22°48'29.14"N 77°55'30.45"E	OPERATED MINE
9	QUARR Y LEASE	BUDHO 09	SAND	20-02-2020	30-08-2023	10. 000	SALE	AS PER M.P. SAND MINING RULES 2019 RULE 3 (6)	POWER MECH PROJECT LMT SHIRI KOTA KRISHNA PRAVEEN	9989237779	KOTA-SHIRI CH.DEL	JANWAS A	JANWASA	155/1/ 1	A 22°48'36.03"N 77°55'45.44"E B 22°48'35.76"N 77°56'4.15"E C 22°48'29.93"N 77°56'4.56"E D 22°48'29.82"N 77°55'45.54"E	DECLARED MINES
10	QUARR Y LEASE	BUDHO 10	SAND	20-02-2020	30-08-2023	15. 000	SALE	AS PER M.P. SAND MINING RULES 2019 RULE 3 (6)	POWER MECH PROJECT LMT SHIRI KOTA KRISHNA PRAVEEN	9989237779	KOTA-SHIRI CH.DEL	JANWAS A	JANWASA	155/1/ 1	A 22°48'57.37"N 77°55'31.60"E B 22°48'48.10"N 77°55'44.33"E C 22°48'41.96"N 77°55'42.43"E D 22°48'41.45"N 77°55'30.09"E	DECLARED MINES

16
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QUARR Y LEASE	BUOH0 11	SAND	20-02-2020	30-08-2023	12. 950	AS PER M.P. SAND MINING RULES 2019 RULE 3 (5)	POWER MECH PROJECT LIMIT SHIRI KOTA KRISHNA PRAVEEN	5989237779	10238434310002	SOMALB AWADA	SOMALBAWA DA	104/2	A 22°48'56.03"N 77°55'45.44"E B 22°48'55.76"N 77°56'4.15"E C 22°48'29.93"N 77°56'4.56"E D 22°48'29.82"N 77°55'45.54"E	OPERATED MINE
		TOTAL AREA			171.778									
		NO OF OPERATED SAND MINES			08									
		NO OF DECLARED MINES			03									
		TOTAL MINES IN BUOHNI			11									

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CLUSTER SCENARIO OF AUCTION SAND MINES -

Sand is the major requirement for construction industry. The mining of Sand comes under minor mineral mining. As per EIA Notification 2006 and subsequent amendments Environment clearance is mandatory for the entire mining project.

As per the said notification the activities has been categorized as Category B1 & B2. As per Mo EF & CC notification S.O. 141(E) dt.15th January, 2016 "A cluster shall be formed when the distance between the peripheries of one lease is less than 500 m from the periphery of other lease in a homogeneous mineral area".

Cluster of sand mines. The Cluster consists of Janwasa-01, Janwasa-02, Janwasa-03 & Janwasa-04 sand quarry located within a lateral distance of 500m from each other. This cluster comes under Bhudni Tehsil of Sehore District, lease areas covering a total mineralized area of 59.00 Hectares located in village/Janwasa under Budhni Tehsil of District Sehore.

As per Notification Ministry of environment, forest and climate change new Delhi, the 14th August 2018 cluster (Fig.) Comes under total Cluster area of mine leases of area greater or equal 25 ha with individual lease size less than or equal to 100 ha has a Category B1

Cluster	Sr No.	Name of Mine	Area ha	Total Cluster area
1	1	Janwasa-01	14.000	59.000
	2	Janwasa-02	20.000	
	3	Janwasa-03	10.000	
	4	Janwasa-04	15.000	

(FIGURE) SATELLITE MAP SHOWING CLUSTER -01 LEASE AREA & SATELLITE MAP SHOWING EVACUATION ROAD OF FOLLOWING MINES



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Secretary
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CLUSTER SCENARIO OF AUCTION SAND MINES -

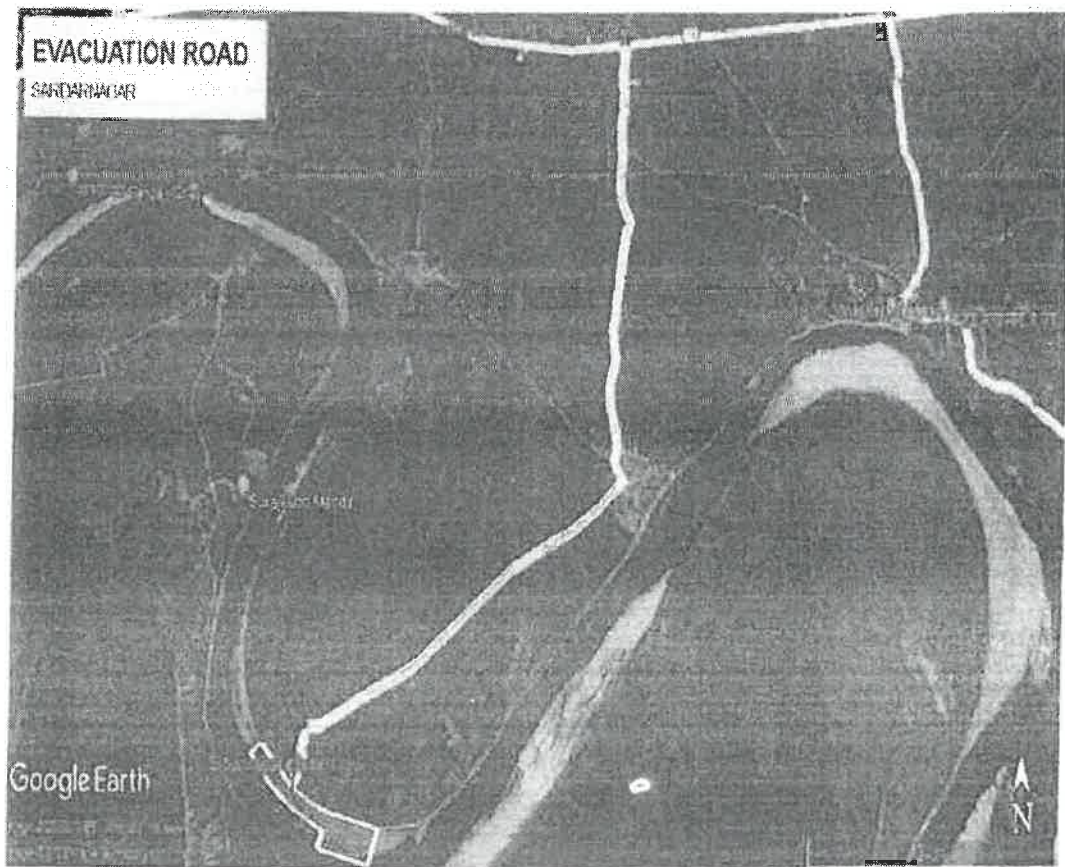
Sand is the major requirement for construction industry. The mining of Sand comes under minor mineral mining. As per EIA Notification 2006 and subsequent amendments Environment clearance is mandatory for the entire mining project.

As per the said notification the activities has been categorized as Category B1 & B2. As per Mo EF & CC notification S.O. 141 (E) dt.15th January, 2016 "A cluster shall be formed when the distance between the peripheries of one lease is less than 500 m from the periphery of other lease in a homogeneous mineral area".

But in Sardarnagar Sand mine no mine is under 500 m from the periphery of other Mine.

Sr No.	Name of Mine	Area ha
01	Sardarnagar	16.187

SATELLITE MAP SHOWING WITHOUT CLUSTER & EVACUATION ROAD OF SARDARNAGAR MINE.



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CLUSTER SCENARIO OF AUCTION SAND MINES

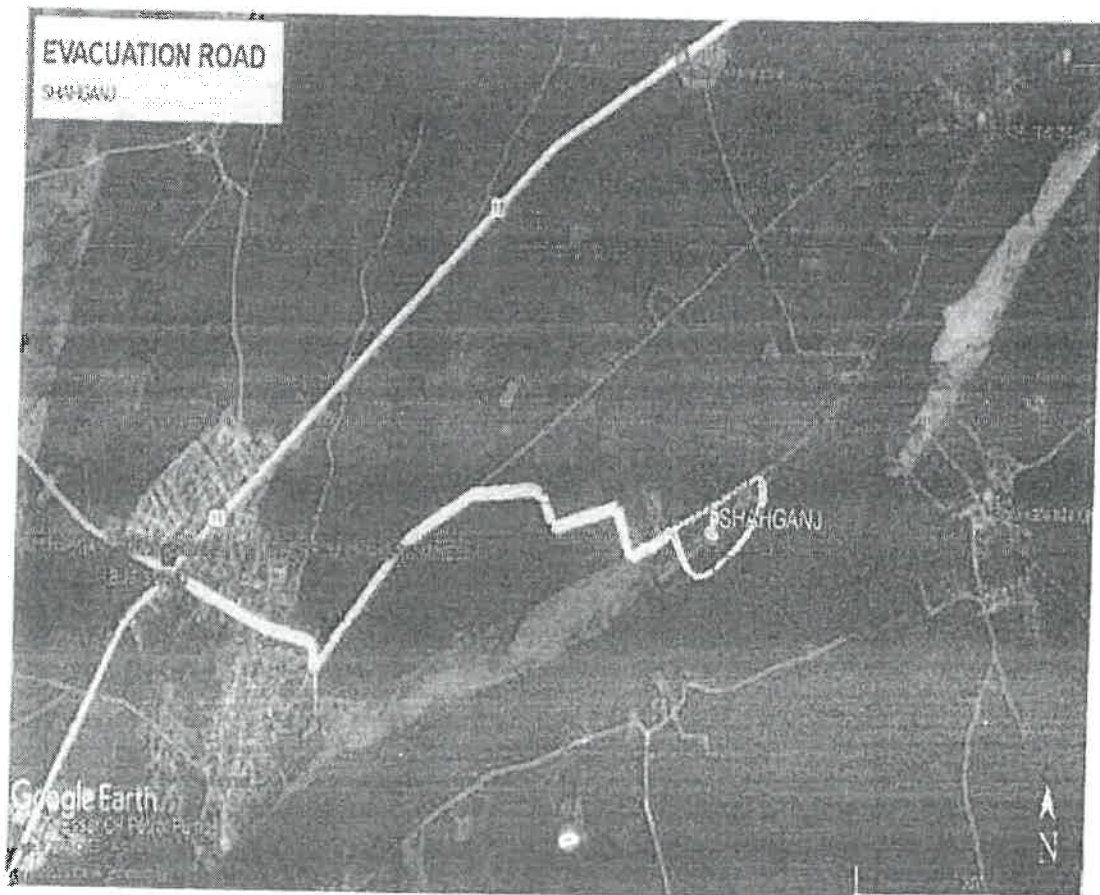
Sand is the major requirement for construction industry. The mining of Sand comes under minor mineral mining. As per EIA Notification 2006 and subsequent amendments Environment clearance is mandatory for the entire mining project.

As per the said notification the activities has been categorized as Category B1 & B2. As per MoEF & CC notification S.O. 141 (E) dt.15th January, 2016 "A cluster shall be formed when the distance between the peripheries of one lease is less than 500 m from the periphery of other lease in a homogeneous mineral area".

But in Shahganj Sand mine no mine is under 500 m from the periphery of other Mine.

Sr No.	Name of Mine	Area ha
01	Shahganj	07

SATELLITE MAP SHOWING WITHOUT CLUSTER & EVACUATION ROAD OF SARDARNAGAR MINE.



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Ashish
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CLUSTER SCENARIO OF AUCTION SAND MINES

Sand is the major requirement for construction industry. The mining of Sand comes under minor mineral mining. As per EIA Notification 2006 and subsequent amendments Environment clearance is mandatory for the entire mining project.

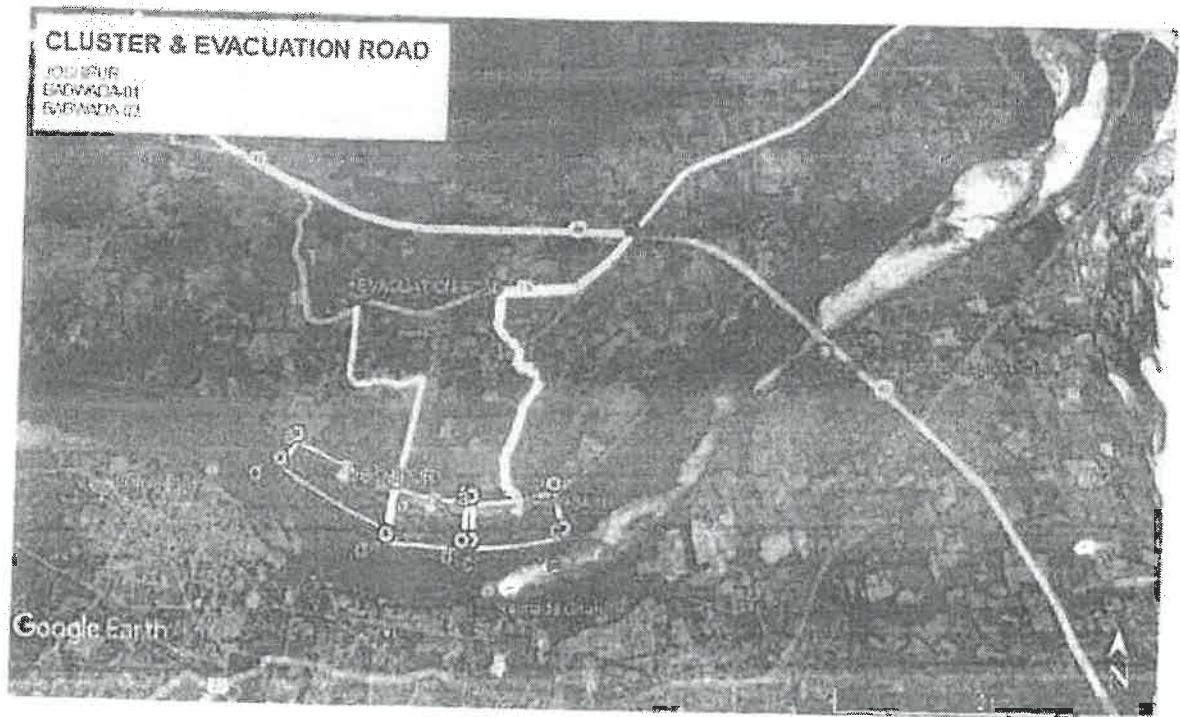
As per the said notification the activities has been categorized as Category B1 & B2. As per Mo EF & CC notification S.O. 141 (E) dt.15th January, 2016 "A cluster shall be formed when the distance between the peripheries of one lease is less than 500 m from the periphery of other lease in a homogeneous mineral area".

Cluster of sand mines. **The Cluster** consists of Joshipur, Bagwada -01, & Bagwada-02 sand quarry located within a lateral distance of 500m from each other. This cluster comes under Bhudni Tehsil of Sehore District, lease areas covering a total mineralized area of 55.106 Hectares located in village/Janwasa under Bhudni Tehsil of District Sehore

As per Notification Ministry of environment, forest and climate change new Delhi, the 14th August 2018 cluster (Fig.) Comes under total Cluster area of mine leases of area greater or equal 25 ha with individual lease size less than or equal to 100 ha has a Category B1

Sr No.	Name of Mine	Area ha	Total Cluster area
1	Joshipur	20.242	55.016
2	Baghwada 1	18.107	
3	Baghwada 2	16.667	

FIGURE SATELLITE MAP SHOWING CLUSTER AREA & SATELLITE MAP SHOWING EVACUATION ROAD OF FOLLOWING MINES



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

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

CLUSTER SCENARIO OF AUCTION SAND MINES -

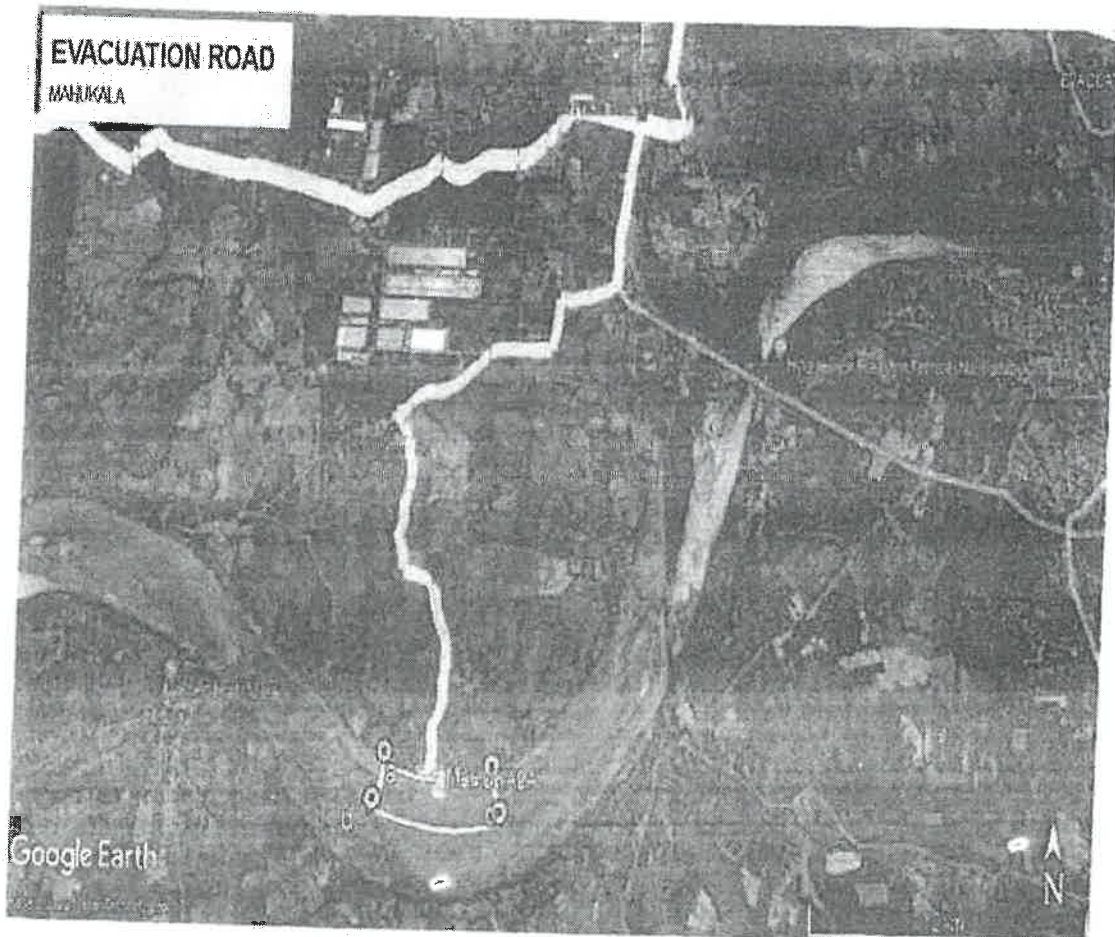
Sand is the major requirement for construction industry. The mining of Sand comes under minor mineral mining. As per EIA Notification 2006 and subsequent amendments Environment clearance is mandatory for the entire mining project.

As per the said notification the activities has been categorized as Category B1 & B2. As per Mo EF & CC notification S.O. 141 (E) dt.15th January, 2016 "A cluster shall be formed when the distance between the peripheries of one lease is less than 500 m from the periphery of other lease in a homogeneous mineral area".

But in Mahukala Sand mine no mine is under 500 m from the periphery of other Mine.

Sr No.	Name of Mine	Area ha
01	Mahukala	20.995

SATELITE MAP SHOWING WITHOUT CLUSTER & EVACUATION ROAD OF SARDARNAGAR MINE.



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

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

CLUSTER SCENARIO OF AUCTION SAND MINES -

Sand is the major requirement for construction industry. The mining of Sand comes under minor mineral mining. As per EIA Notification 2006 and subsequent amendments Environment clearance is mandatory for the entire mining project.

As per the said notification the activities has been categorized as Category B1 & B2. As per Mo EF & CC notification S.O. 141 (E) dt.15th January, 2016 "A cluster shall be formed when the distance between the peripheries of one lease is less than 500 m from the periphery of other lease in a homogeneous mineral area".

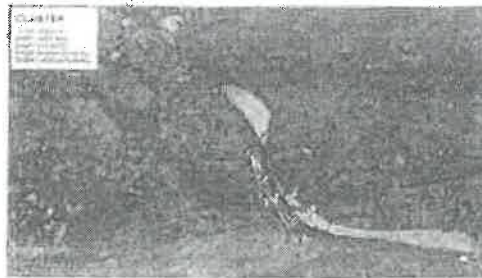
Cluster of sand mines. The Cluster consists of Jajana, Babri-01, Babri-02, Babri-01, & Babri -02, sand quarry located within a lateral distance of 500m from each other. This cluster comes under Rehti ,Seoni Malwa Tehsil of Sehore & Hosangabad District, lease areas covering a total mineralised area of 66.941 Hectares located in village/Charua & Jahapura under Rehti Tehsil of District Sehore

As per Notification Ministry of environment, forest and climate change new Delhi, the 14th August 2018 cluster (Fig.) Comes under total Cluster area of mine leases of area greater or equal 25 ha with individual lease size less than or equal to 100 ha has a Category B1.

Sr No.	District	Name of Mine	Area ha	Total Cluster area
1	Sehore	Babri - 2	20.500	58.640
2	Sehore	Babri -1	4.000	
3	Sehore	Jajna	12.140	
4	Hosangabad	Babri-01	4.000	
5	Hosangabad	Babri-02	18.000	

The above information was obtained by the Mining Office District Hosangabad Letter no.2376 Dated 26/03/2021.

FIGURE SATELLITE MAP SHOWING CLUSTER AREA & SATELLITE MAP SHOWING EVACUATION ROAD OF FOLLOWING MINES



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

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

CLUSTER SCENARIO OF AUCTION SAND MINES :

Sand is the major requirement for construction industry. The mining of Sand comes under minor mineral mining. As per EIA Notification 2006 and subsequent amendments Environment clearance is mandatory for the entire mining project.

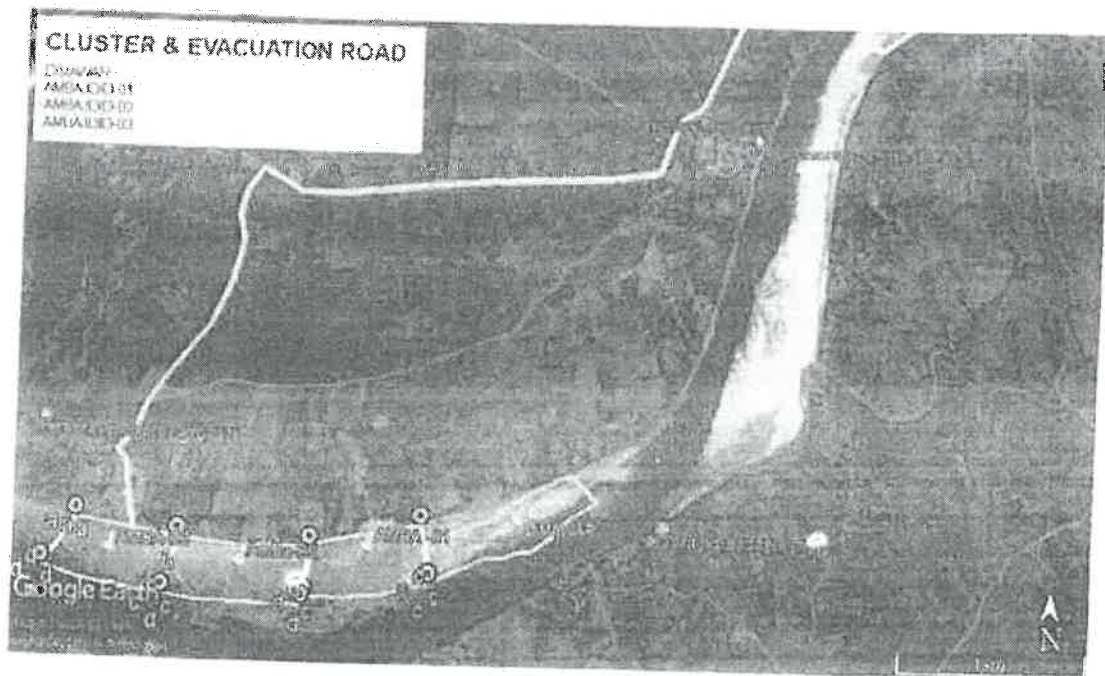
As per the said notification the activities has been categorized as Category B1 & B2. As per Mo EF & CC notification S.O. 141 (E) dt.15th January, 2016 "A cluster shall be formed when the distance between the peripheries of one lease is less than 500 m from the periphery of other lease in a homogeneous mineral area".

Cluster of sand mines. **The Cluster consists of Ambajdid-03, Ambajdid-02, Ambajdid-01 & Dimawar quarry located within a lateral distance of 500m from each other. This cluster comes under Nasrullaganj Tehsil of Sehore District, lease areas covering a total mineralised area of 88.093 Hectares located in village / Ambajdid & Dimawar under Nasrullaganj Tehsil of District Sehore**

As per Notification Ministry of environment, forest and climate change new Delhi, the 14th August 2018 cluster (Fig.) Comes under total Cluster area of mine leases of area greater or equal 25 ha with individual lease size less than or equal to 100 ha has a Category B1.

Sr No.	Name of Mine	Area ha	Total Cluster area
1	Ambajdid 3	20.000	88.093
2	Ambajdid 2	23.341	
3	Ambajdid 1	21.582	
4	Dimawar	23.170	

FIGURE SATELLITE MAP SHOWING CLUSTER AREA & SATELLITE MAP SHOWING EVACUATION ROAD OF FOLLOW



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

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

CLUSTER SCENARIO OF AUCTION SAND MINES

Sand is the major requirement for construction industry. The mining of Sand comes under minor mineral mining. As per EIA Notification 2006 and subsequent amendments Environment clearance is mandatory for the entire mining project.

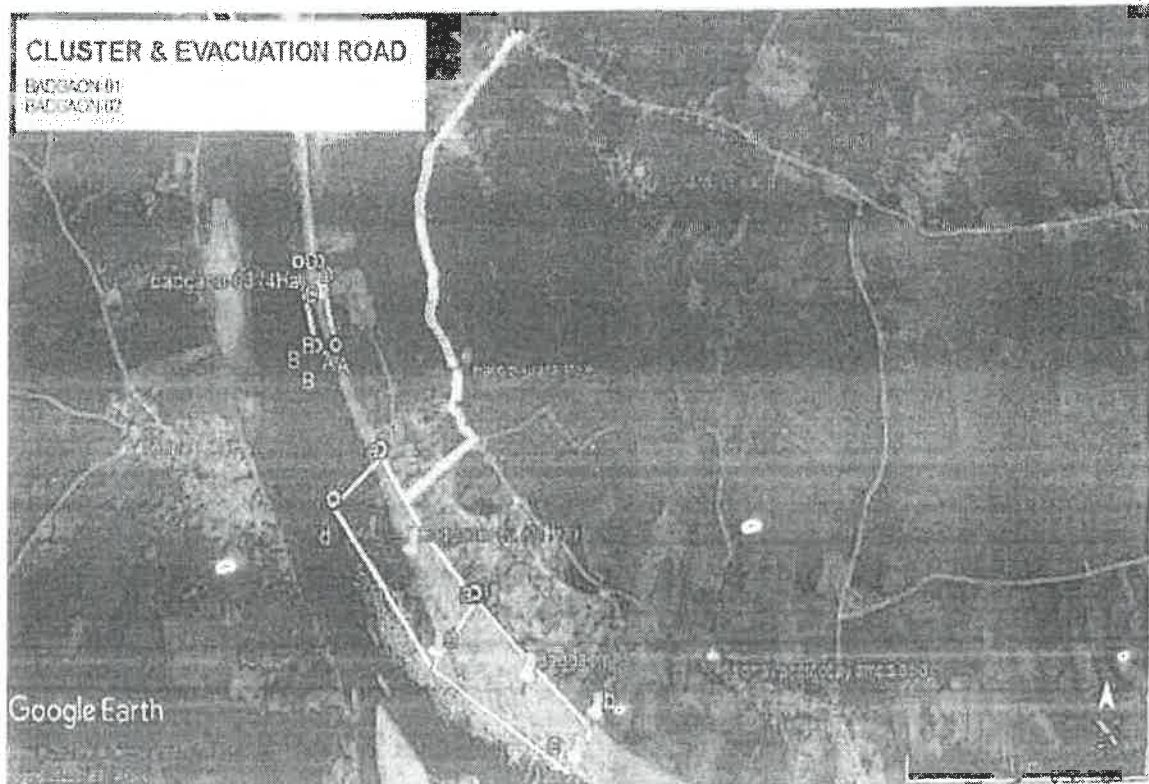
As per the said notification the activities has been categorized as Category B1 & B2. As per Mo EF & CC notification S.O. 141 (E) dt.15th January, 2016 "A cluster shall be formed when the distance between the peripheries of one lease is less than 500 m from the periphery of other lease in a homogeneous mineral area".

Cluster of sand mines. The Cluster consists of Badgaon-01, Badgaon-03 quarry located within a lateral distance of 500m from each other. This cluster comes under Nasrullaganj Tehsil of Sehore District, lease areas covering a total mineralized area of 37.765Hectares located in village/Badgaon under Nasrullaganj Tehsil of District Sehore

As per Notification Ministry of environment, forest and climate change new Delhi, the 14th August 2018 cluster (Fig.) Comes under total Cluster area of mine leases of area greater or equal 25 ha with individual lease size less than or equal to 100 ha has a Category B1.

Sr No.	Name of Mine	Area ha	Total Cluster area
1	Badgaon 2	21.733	
2	Badgaon 1	16.032	37.765

FIGURE SATELLITE MAP SHOWING CLUSTER AREA & SATELLITE MAP SHC'WING EVACUATION ROAD OF FOLLOWING MINES -



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

CLUSTER SCENARIO OF AUCTION SAND MINES

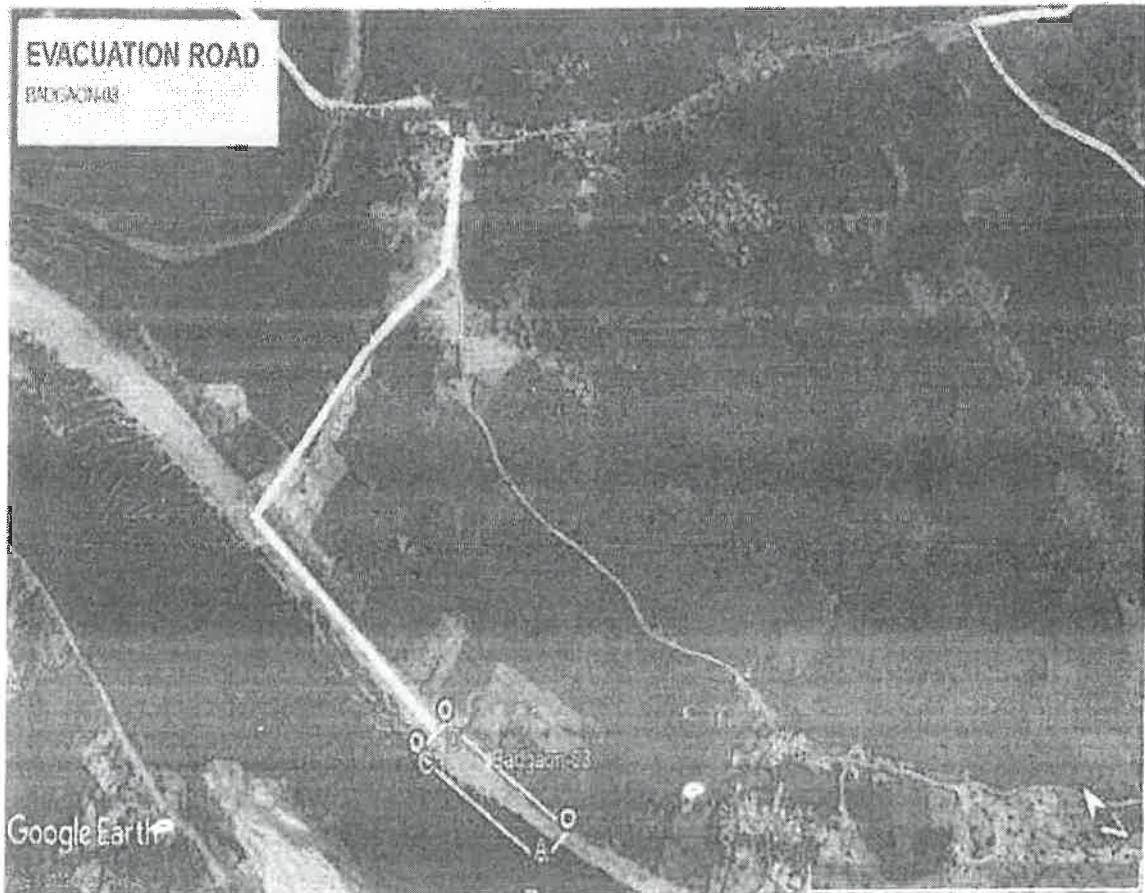
Sand is the major requirement for construction industry. The mining of Sand comes under minor mineral mining. As per EIA Notification 2006 and subsequent amendments Environment clearance is mandatory for the entire mining project.

As per the said notification the activities has been categorized as Category B1 & B2. As per Mo EF & CC notification S.O. 141 (E) dt.15th January, 2016 "A cluster shall be formed when the distance between the peripheries of one lease is less than 500 m from the periphery of other lease in a homogeneous mineral area".

But in Badgaon Sand mine no mine is under 500 m from the periphery of other Mine.

Sr No.	Name of Mine	Area ha	Total Cluster area
1	Badgaon -3	4.000	4.000

FIGURE SATELLITE MAP SHOWING CLUSTER AREA & SATELLITE MAP SHOWING EVACUATION ROAD OF FOLLOWING MINES -



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

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

CLUSTER SCENARIO OF AUCTION SAND MINES -

Sand is the major requirement for construction industry. The mining of Sand comes under minor mineral mining. As per EIA Notification 2006 and subsequent amendments Environment clearance is mandatory for the entire mining project.

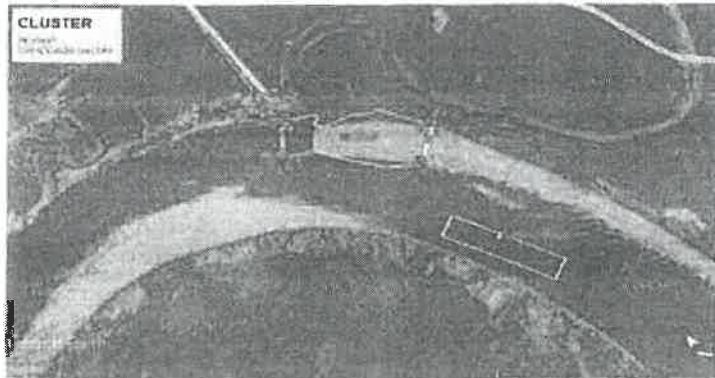
As per the said notification the activities has been categorized as Category B1 & B2. As per Mo EF & CC notification S.O. 141 (E) dt.15th January, 2016 "A cluster shall be formed when the distance between the peripheries of one lease is less than 500 m from the periphery of other lease in a homogeneous mineral area".

Cluster of sand mines. The Cluster consists of Nilkant , Chhidgaonkachhi quarry located within a lateral distance of 500m from each other. This cluster comes under Nasrullaganj Tehsil of Sehore District, lease areas covering a total mineralised area of 88.093 Hectares located in village Nilkant & Chhidgaonkachhi under Nasrullaganj Tehsil of District Sehore.

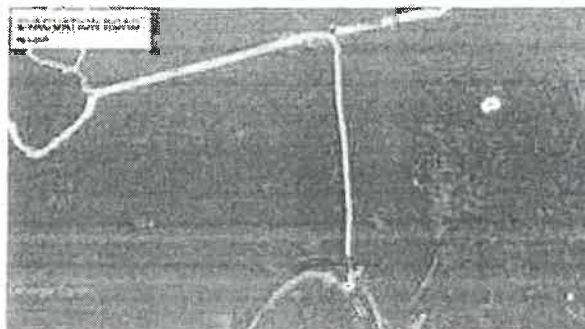
As per Notification Ministry of environment, forest and climate change new Delhi, the 14th August 2018 cluster (Fig.) Comes under total Cluster area of mine leases of area greater or equal 25 ha with individual lease size less than or equal to 100 ha has a Category B1.

Sr No.	Name of Mine	Area ha	Total Cluster area
1	Nilkanth	16.100	21.100
2	Chhindgaonkachhi	5.000	

FIGURE SATELLITE MAP SHOWING CLUSTER AREA & SATELLITE MAP SHOWING EVACUATION ROAD OF FOLLOWING MINES -



SATELLITE MAP SHOWING CLUSTER AREA



SATELLITE MAP SHOWING EVACUATION ROAD OF FOLLOWING MINES

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

Asst. Secy
State Level Environment Impact
Assessment Authority, M.P.
(EPCO)
Paryavaran Parisar
Arera Colony, Bhopal (M.P.)

CLUSTER SCENARIO OF AUCTION SAND MINES

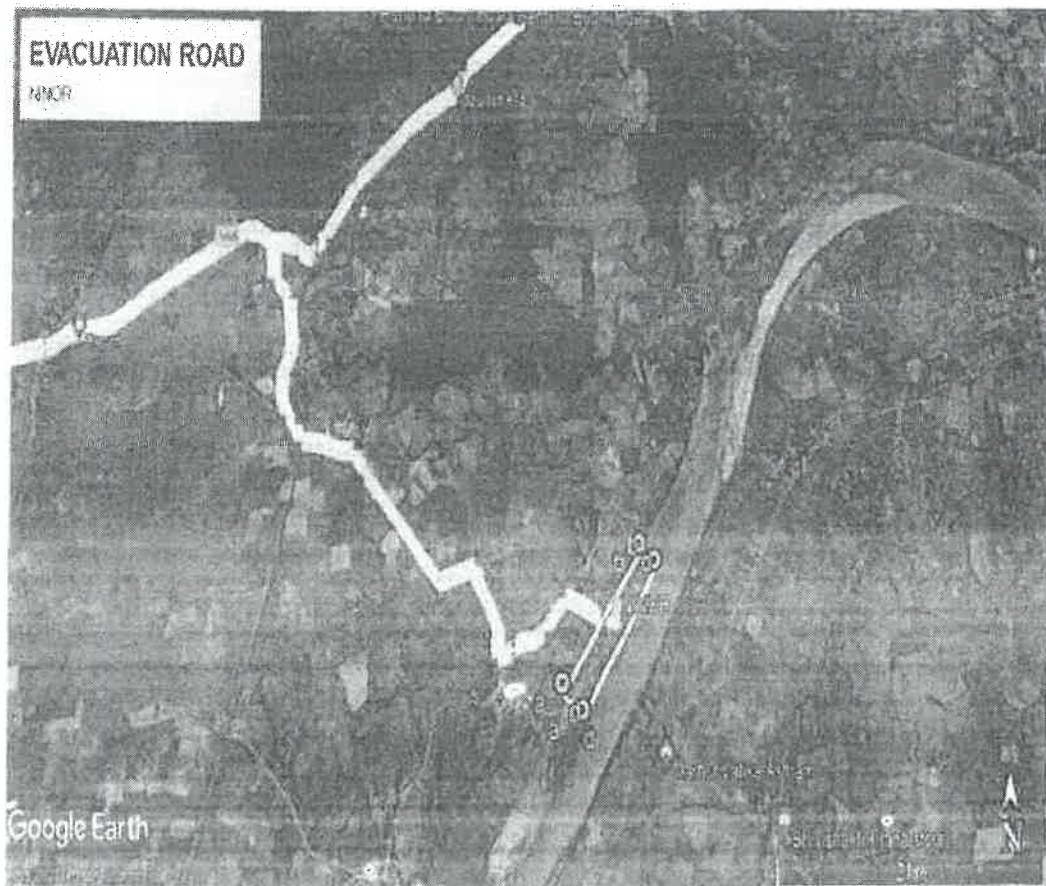
Sand is the major requirement for construction industry. The mining of Sand comes under minor mineral mining. As per EIA Notification 2006 and subsequent amendments Environment clearance is mandatory for the entire mining project.

As per the said notification the activities has been categorized as Category B1 & B2. As per Mo EF & CC notification S.O. 141 (E) dt. 15th January, 2016 "A cluster shall be formed when the distance between the peripheries of one lease is less than 500 m from the periphery of other lease in a homogeneous mineral area".

But in NINOR Sand mine no mine is under 500 m from the periphery of other Mine.

Sr No.	Name of Mine	Area ha
01	Ninor	20.00

SATELLITE MAP SHOWING WITHOUT CLUSTER & EVACUATION ROAD OF NINOR MINE -



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

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

CLUSTER SCENARIO OF AUCTION SAND MINES :-

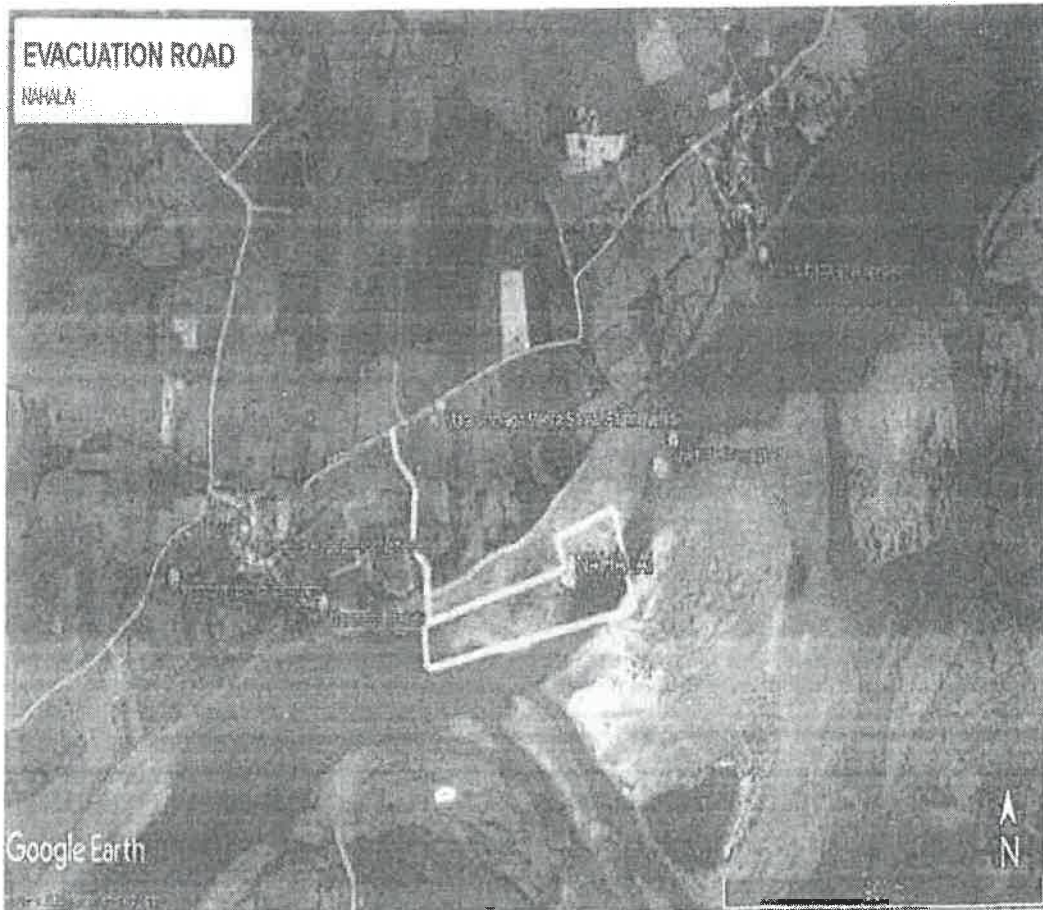
Sand is the major requirement for construction industry. The mining of Sand comes under minor mineral mining. As per EIA Notification 2006 and subsequent amendments Environment clearance is mandatory for the entire mining project.

As per the said notification the activities has been categorized as Category B1 & B2. As per Mo EF & CC notification S.O. 141 (E) dt.15th January, 2016 "A cluster shall be formed when the distance between the peripheries of one lease is less than 500 m from the periphery of other lease in a homogeneous mineral area".

But in Nahalai Sand mine no mine is under 500 m from the periphery of other Mine.

Sr No.	Name of Mine	Area ha
01	Nahalai	8.093

SATELLITE MAP SHOWING WITHOUT CLUSTER & EVACUATION ROAD OF MINOR MINE -

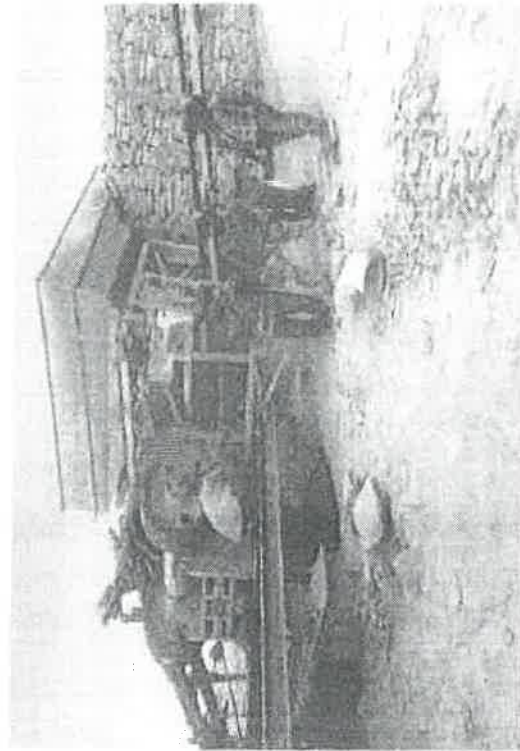


State Level Environment Impact
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A. K. Sharma
State Level Environment Impact
Assessment Authority, M.P.
(EPCO)
Paryavaran Parisar
E-5, Arera Colony, Bhopal (M.P.)

**LIST OF MURRUM, STONE, MINERALS APPROVED MINES
(FROM 2010 - TILL DATE)**

S.NO.	TENSIL NAME	STONE	AREA IN HEC	NO. OF LEASE
1	SEHORE		89.815	17
2	AASTA		50.150	35
3	JAWAR		18.219	10
4	ICHAWAR		82.149	31
5	SHYAMPUR		67.544	22
6	REHTI			
7	NASRULLAGANG		54.223	26
8	BUDHNI		26.215	10
TOTAL			47.200	17
			451.619	202



Ballast (Crusher Machine) Mines

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

Minor mineral list for the dist.

S.N O.	MINE TYPE	MIN E CODE	MINERAL	LEASE PERIOD FRM	LEASE PERIOD TO	LEASE AREA (IN HEC.)	END USE	METHOD OF MINE	NAME OF LEASE	CONTACT NO.	EMAIL ID	GRAM PANCHAYAT	VILLAGE	KHA SRA NO.	LATITUDE/ LONGITUDE DEGREE/MINUTE/SECONDD	CURRENT STATUS
1	Quarry Lease	SEHO 01	STONE	15-04-2010	15-04-2020	0.445	SALE	SEMI-MECHANIZED	SALVASAD S/O SHRI CHANDRAJ	9754504507	balaprasadpatel@gmail.com	PAFCORI	PAFCORI	517	APPROPRIATE TO ISSUE A LETTER TO THE APPLICANT FOR LATITUDE & LONGITUDE A = 23 04 12.00 N B = 77 16 45.00 E C = 23 05 17.00 N D = 77 16 06.00 E E = 23 04 39.00 N F = 77 16 47.00 E G = 23 04 07.00 N H = 77 16 44.00 E	OVER
2	Quarry Lease	SEHO 02	STONE	21-05-2010	20-05-2024	2.000	SALE	SEMI-MECHANIZED	SHARAT GUPTA S/O SHRI RADHABALLABH	98000146	bharat02gupta@gmail.com	LEELAKH ADI	LEELAKH ADI	207	A = 23 12 10.13 N B = 77 02 21.74 E C = 23 12 10.78 N D = 77 02 26.14 E E = 23 12 14.91 N F = 77 02 26.31 E G = 23 12 15.01 N H = 77 02 21.01 E	RENEWAL
3	Quarry Lease	SEHO 03	STONE	21-05-2014	20-05-2024	1.453	SALE	SEMI-MECHANIZED	CHAITAN PARMAR S/O SHRI KISHORILAL	9977845842	cp9127749@gmail.com	SHIVPURI	SHIVPURI	18/2	A = 23 03 34.92 N B = 77 16 36.08 E C = 23 03 41.16 N D = 77 16 40.32 E E = 23 03 39.99 N F = 77 16 35.64 E	RENEWAL
4	Quarry Lease	SEHO 04	STONE	24-04-2010	23-04-2020	4.000	SALE	SEMI-MECHANIZED	PANKAJ JOSHI S/O SHRI PURSATTAM	9425334666	-	LEELAKH ADI	LEELAKH ADI	20/1	A = 23 03 34.59 N B = 77 16 40.44 E C = 23 03 35.37 N D = 77 16 45.79 E E = 23 03 43.03 N F = 77 16 45.09 E G = 23 03 42.39 N H = 77 16 39.09 E	RENEWAL
5	Quarry Lease	SEHO 05	STONE	18-03-2010	17-03-2020	4.000	SALE	SEMI-MECHANIZED	TRANSFER LEASE ASHOK THAKUR S/O SHRI SURENDRA SINGH THAKUR A G S INFRASTRUCTURE	971101221	ashok204@gmail.com	LEELAKH ADI	LEELAKH ADI	20/1	A = 23 03 34.59 N B = 77 16 40.44 E C = 23 03 35.37 N D = 77 16 45.79 E E = 23 03 43.03 N F = 77 16 45.09 E G = 23 03 42.39 N H = 77 16 39.09 E	RENEWAL

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

6	QUARR Y LEASE	SEHO 06	STONE	26-06-2014	25-06-2024	1.320	SALE	SEMI- MECHAIZED	PRADYUMAN SIDDHYA S/O SHIRI RAJENDRA SINGH	982677355 7	pradhumsingh .sodia@gmail. com	DEEDAKH EDJ	DEEDAKH EDJ	19/ 2	A = 23 11 07 99 N 76 59 22.42 E B = 23 11 10.11 N 76 59 30.64 E C = 23 11 13.76 N 76 59 30.51 E D = 23 11 09.43 N 76 59 21.50 E	-
7	QUARR Y LEASE	SEHO 07	STONE	20-09-2015	30-09-2020	1.604	SALE	SEMI- MECHAIZED	RAJESH RAI S/O SHIRI RAJESH RAI	769730340 0	rajeshraji@ mail.com	MAHARAJ YA	MAHARAJ YA	19/ 2	A = 23 12 12.96 N 77 01 25.28 E B = 23 12 12.54 N 77 01 27.13 E C = 23 12 16.50 N 77 01 28.08 E D = 23 12 16.88 N 77 01 25.79 E	RENEWAL (N)
8	QUARR Y LEASE	SEHO 08	STONE	10-08-2016	09-08-2026	1.862	SALE	SEMI- MECHAIZED	SHIRI THAIR PRASAAD VERMA	-	-	SHIKARP UR	SHIKARP UR	305	A = 23 03 05.72 N 77 07 51.25 E B = 23 03 02.10 N 77 07 43.40 E C = 23 03 03.89 N 77 07 43.43 E D = 23 03 07.30 N 77 07 49.40 E	-
9	QUARR Y LEASE	SEHO 09	STONE	23-08-2013	22-08-2023	2.000	SALE	SEMI- MECHAIZED	ROLI GUPTA W/O SHIRI PANKAJ GUPTA	930064148 6	bharat02gupta @gmail.com	KASBA	KASBA	1013	A = 23 09 35.03 N 77 02 51.27 E B = 23 09 40.59 N 77 02 51.67 E C = 23 09 40.76 N 77 02 55.85 E D = 23 09 34.85 N 77 02 55.34 E	-
10	QUARR Y LEASE	SEHO 10	STONE	16-08-2013	15-08-2023	2.000	SALE	SEMI- MECHAIZED	HANIF QURESHI S/O SHIRI NAZI USMAN	997734204 4	hanifqureshi997 7@gmail.com	KASBA	KASBA	1013	A = 23 09 37.62 N 77 02 47.02 E B = 23 09 43.16 N 77 02 46.78 E C = 23 09 42.72 N 77 02 51.05 E D = 23 09 37.32 N 77 02 51.00 E	-

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

11	QUARR V LEASE	SEHG 11	STONE	22-11-2017	21-11-2027	3.000	SALE	SEMI- MECHANIZED	RANJA RAI S/O SHIRI RAKESH RAI	982681172 4	dineshnagar797 @gmail.com	KASBA	KASBA	1013	A = 23 09 33.60 N 77 02 52.64 E B = 23 09 36.64 E 77 02 51.71 N C = 23 09 37.17 N 77 02 46.76 E D = 23 09 41.03 N 77 02 46.54 E E = 23 09 43.18 N 77 02 46.94 E F = 23 09 41.93 N 77 02 43.41 E G = 23 09 35.89 N 77 02 43.88 E
12	QUARR V LEASE	SEHG 12	STONE	25/1/2018	24-01-2028	2.000	SALE	SEMI- MECHANIZED	DINESH NAGAR S/O SHIRI CHANDAR NAGAR	982681172 4	dineshnagar797 @gmail.com	KASBA	KASBA	1013	A = 23 09 35.95 N 77 02 43.47 E B = 23 09 36.34 N 77 02 36.55 E C = 23 09 35.00 N 77 02 36.40 E D = 23 09 42.12 N 77 02 42.63 E
13	QUARR V LEASE	SEHG 13	STONE	25-01-2018	24-01-2028	2.000	SALE	SEMI- MECHANIZED	PANKAJ GUPTA S/O SHIRI RADHASALLAB H	930064148 6	pg804356@gmail.com	KASBA	KASBA	1014	A = 23 09 36.60 N 77 02 59.00 E B = 23 09 36.64 N 77 02 56.34 E C = 23 09 41.00 N 77 02 56.57 E D = 23 09 40.97 N 77 02 59.26 E
14	QUARR V LEASE	SEHG 14	STONE	01-01-2018	01-12-2017	2.950	SALE	SEMI- MECHANIZED	VIKRAM RATHOR S/O SHIRI SURESH RATHOR	989311334 3	lkhcharma@redif mail.com	KASBA	KASBA	1014	A = 23 09 32.46 N 77 02 58.85 E B = 23 09 35.21 N 77 02 58.77 E C = 23 09 35.53 N 77 03 06.86 E D = 23 09 32.65 N 77 03 06.56 E

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

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

15	QUARR Y LEASE	SEHO 15	STONE	25-07-2010	20-07-2019	3.200	SALE	SEMI-MECHANIZED	RAJENDRA SINGH S/O SHRI CHAAND SINGH BIRWADA	997736153 9	rajendramewad a100@gmail.com	ASRNDI7	ASRNDI7	307 / 10 / 2	A = 23 15 14.05 N 77 10 48.63 E B = 23 15 03.36 N 77 10 52.31 E C = 23 15 01.93 N 77 10 52.68 E D = 23 14 51.71 N 77 10 52.44 E E = 23 14 51.92 N 77 10 49.37 E F = 23 14 54.64 N 77 10 49.93 E
16	QUARR Y LEASE	SEHO 16	STONE	21-01-2016	20-01-2026	4.000	SALE	SEMI-MECHANIZED	MRS. ANNAPURNA THAKUR S/O SHRI DINESH THAKUR	930060716 2		HASNAB AAD	HASNAB AAD	56 / 1	A = 23 08 56.02 N 77 03 07.02 E B = 23 08 51.09 N 77 03 05.07 E C = 23 08 51.00 N 77 03 14.09 E D = 23 08 55.00 N 77 03 14.07 E
17	QUARR Y LEASE	SEHO 17	STONE	08-09-2015	07-09-2025	2.000	SALE	SEMI-MECHANIZED	SHRI OM PRAKASH CHANDRAVANS HI S/O SHRI RAMBAKSH	942567801 9	omphandra@gmail.com	CHAINPU RA	CHAINPU RA	148 / 1 / 2 KA	A = 23 08 42.80 N 17 14 33.65 E B = 23 08 42.96 N 77 14 38.26 E C = 23 08 49.31 N 77 14 39.14 E D = 23 08 52.99 N 77 14 35.03 E
18	QUARR Y LEASE	SEHO 18	STONE	29-12-2010	28-12-2020	2.000	SALE	SEMI-MECHANIZED	PARAS STONE CRUSHER PRO SHRI SURENDRA PATEL	930071337 7	mukeshsharma 1374@gmail.com	LEELAKH ADI	LEELAKH ADI	20/1	A = 23 03 23.04 N 77 16 41.24 E B = 23 03 23.83 N 77 16 45.83 E C = 23 03 28.89 N 77 16 47.31 E D = 23 03 29.26 N 77 16 41.21 E

19	QUARR Y LEASE	STONE	18-05-2017	3,000	SALE	SEMI- MECHAIZED	RAMKI INFRASTRUCTU RE	-	-	RAFEENG ANJ	RAFEENG ANJ	401/ 1	A = 23 09 41.08 N 77 02 47.06 E B = 23 09 42.25 N 77 02 45.88 E C = 23 09 40.28 N 77 02 44.66 E D = 23 09 38.65 N 77 02 46.36 E E = 23 09 37.75 N 77 02 47.02 E
20	QUARR Y LEASE	STONE	16-08-2013	1,821	SALE	SEMI- MECHAIZED	DHEEMENDRA MAJGAR S/O SHR CHANDAR S INSH	758797804 4 982727239 8	babbarparel773 6@gmail.com	RAFEENG ANJ	RAFEENG ANJ	401/ 1	A = 23 09 31.27 N 77 02 27.95 E B = 23 09 33.43 N 77 02 32.33 E C = 23 09 36.51 N 77 02 29.71 E D = 23 09 35.30 N 77 02 26.25 E
21	QUARR Y LEASE	STONE	27-09-2018	1,000	SALE	SEMI- MECHAIZED	DINESH THAKUR S/O SHIRI	930060716 2	dineshbkur27 06@gmail.com	GUDBHE LA	GUDBHEL A	357	A = 23 09 35.09 N 77 02 26.21 E B = 23 09 34.56 N 77 02 30.96 E C = 23 09 36.56 N 77 02 30.84 E D = 23 09 36.73 N 77 02 31.53 E E = 23 09 36.80 N 77 02 32.01 E F = 23 09 32.10 N 77 02 32.34 E G = 23 09 32.14 N 77 02 31.75 E H = 23 09 33.00 N 77 02 31.33 E I = 23 09 33.80 N 77 02 25.30 E

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

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

22	QUARR Y LEASE	SEHO 22	STONE	20-02-2018	19-02-2028	2.000	SALE	SEMI- MECHAIZED	KAVINDRA YADAV S/O SHRI RAMRUILADI	930062034 2	ravindra.yadavc o@gmail.com	GUDBHE LA	GUDBHEL A	357	A = 23 09 39.52 N 77 02 31.93 E B = 23 09 37.83 N 77 02 37.90 E C = 23 09 36.54 N 77 02 37.96 E D = 23 09 36.28 N 77 02 36.84 E E = 23 09 32.73 N 77 02 37.10 E F = 23 09 32.37 N 77 02 35.41 E	-
23	QUARR Y LEASE	SEHO 23	STONE	24-05-2019	23-05-2029	2.000	SALE	SEMI- MECHAIZED	SHALENDRA THAKUR S/O SHRI VIRENDRA	-	-	GUDBHE LA	GUDBHEL A	357 358	OVER	
24	QUARR Y LEASE	SEHO 24	STONE	23-04-2012	22-04-2022	1.810	SALE	SEMI- MECHAIZED	FARAZ AHMAD S/O SHRI KIBBAL AHMAD	900911533 3	029faraz@gmail com	GUDBHE LA	GUDBHEL A	357	A = 23 09 34.98 N 77 02 25.74 E B = 23 09 39.85 N 77 02 23.57 E C = 23 09 39.18 N 77 02 29.23 E D = 23 09 35.59 N 77 02 31.16 E	RENEWAL
25	QUARR Y LEASE	SEHO 25	STONE	21-01-2008	20-01-2018	2.000	SALE	SEMI- MECHAIZED	PANKAJ GUPTA S/O SHRI RADHABALLA H	930064148 6	pg804366@gm ail.com	GUDBHE LA	GUDBHEL A	357, 358	A = 23 09 30.87 N 77 02 38.01 E B = 23 09 26.11 N 77 02 35.60 E C = 23 09 25.02 N 77 02 40.74 E D = 23 09 29.30 N 77 02 41.77 E	RENEWAL
26	QUARR Y LEASE	SEHO 26	STONE	20-10-2010	19-10-2020	4.000	SALE	SEMI- MECHAIZED	MADHUR VIJAYWARGIYA S/O SHRI GOPAL KRISHNA VIJAYWARGIYA	982601471 7	madhur.vijaywa rgia@gmail.co m	GUDBHE LA	GUDBHEL A	357, 358	RENEWAL	

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

27	QUARR Y LEASE	STO-42	06-08-2017	05-08-2027	1,000	SALE	SEMI- MECHAIZED	KISHAN RAI S/O SHIRI HARINARAYA	917223024 036	ksharan511@ gmail.com	AVANTIP URA	AVANTIP URA	66/1	A=23 11 58.77 N 77 02 24.17 E B=23 13 03.04 N 77 02 17.85 E C=23 13 04.52 N 77 02 14.18 E D=23 13 07.33 N 77 02 15.61 E	RENEWAL
28	QUARR Y LEASE	STONE	20-07-2009	19-07-2019	1,000	SALC	SEMI- MECHAIZED	MAHITA RAI W/O SHIRI DAMODAR RAI	942513612 2	prabira03@ mail.com	SHARPU R KODIA	SHARPU R KODIA	10/1 GA	A=23 11 58.29 N 77 02 00.78 E B=23 11 58.29 N 77 02 03.07 E C=23 12 03.49 N 77 02 03.48 E D=23 12 03.46 N 77 02 00.50 E	RENEWAL
29	QUARR Y LEASE	STONE	10-06-2020	09-06-1930	1,000	SALE	SEMI- MECHAIZED	SHALENDRA GAUR S/O SHIRI BHARAT SINGH GAUR	843556470 1	-	JAANPUR BAABOIA	JAANPUR BAABOIA	174/ 3/1	A=23 17 09.81 N 77 01 44.11 E B=23 17 10.14 N 77 01 47.77 E C=23 17 06.69 N 77 01 48.32 E D=23 17 06.95 N 77 01 47.22 E E=23 17 07.09 N 77 01 45.63 E F=23 17 06.35 N 77 01 43.99 E	-
30	QUARR Y LEASE	STONE	01-09-2021	31-08-2031	1,000	SALE	SEMI- MECHAIZED	SHIRI RAJENDRA SINGH CHAUHAN S/O SHIRI GOPAL SINGH CHAUHAN	737475680 2	-	MAHODI VA	MAHODI VA	205/ 6	A=23 12 01.53 N 77 01 32.58 E B=23 12 01.60 N 77 01 32.58 E C=23 11 57.59 N 77 01 29.66 E D=23 11 57.45 N 77 01 32.46 E	-

83

State Level Environment Impact
Assessment Report for
E-6, Area 20/19, Bhubaneswar (M.P.)

31	QUARR Y LEASE	SEHO 31	MARRU M	03-07-2021	01-07-2021	4.002	SALE	SEMI- MECHANIZED	SRI MATHI RATHORE S/O SIBBI SURESH RATHORE	982311334	isharna@redif mail.com	GLD84E LA	GUDSHEL A	317	-	A = 23 09 38.71 N 77 02 21.11 E B = 23 09 44.09 N 77 02 20.94 E C = 23 09 46.30 N 77 02 18.07 E D = 23 09 47.03 N 77 02 14.70 E E = 23 09 42.91 N 77 02 14.19 E F = 23 09 39.18 N 77 02 14.19 E G = 23 09 38.85 N 77 02 17.94 E H = 23 09 40.08 N 77 02 17.97 E I = 23 09 39.95 N 77 02 20.00 E J = 23 09 38.77 N 77 02 20.08 E
32	QUARR Y LEASE	SEHO 32	STONE	29-06-2021	28-06-2021	2.000	SALE	SEMI- MECHANIZED	MAMTA RAJ W/O SHRI DAAMODAR RAJ	942513812	prebala03@g mail.com	MOGRAP HOOL	MOGRAP HOOL	45/2 ,46/ 4	-	A = 23 11 43.68 N 77 01 38.79 E B = 23 11 47.77 N 77 01 38.42 E C = 23 11 49.72 N 77 01 34.17 E D = 23 11 47.02 N 77 01 34.42 E E = 23 11 46.97 N 77 01 35.71 E F = 23 11 43.42 N 77 01 34.16 E G = 23 11 43.79 N 77 01 36.47 E

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

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

33	QUARR Y LEASE	SEHO 33	SHIBRU	03-17-2021	02-07-2031	1.000	SALE	SEMI- MECHANIZED	SHRI VISHAL NAGAR S/O SHRI GINESH NAGAR	98277719 S 78877804 A	ebbsyatel73 @bimil.com	WASENG ADI	WASENG ADI	ADU/	A = 23 09 49.06 N 77 02 52.45 E B = 23 09 51.62 N 77 03 00.27 E C = 23 08 54.03 N 77 02 59.63 E D = 23 09 54.90 N 77 02 00.07 E E = 23 09 55.12 N 77 03 01.01 E F = 23 09 54.93 N 77 03 01.88 E G = 23 09 54.35 N 77 03 02.58 E H = 23 09 52.78 N 77 03 03 57 E I = 23 09 50.90 N 77 03 00.72 E J = 23 09 46.83 N 77 02 52.78 E
34	QUARR Y LEASE	SEHO 34	STONE	17-03-2020	16-03-2030	3.600	SALE	SEMI- MECHANIZED	TRANSFER LEASE ASHORE THAKUR TO A G S INFRASTRUCTURE	942530106 6	-	LEELAKH ADI	LEELAKH ADI	20/1	A = 23 03 33.69 N 77 16 40.29 E B = 23 03 33.86 N 77 16 45.29 E C = 23 03 41.90 N 77 16 45.14 E D = 23 03 41.64 N 77 16 39.93 E RENEWAL
35	QUARR Y LEASE	SEHO 35	STONE	08-09-2021	07-09-2031	2.000	SALE	SEMI- MECHANIZED	MANJEET KAUR W/O SHRI LAAL SINGH	942530106 5	-	LEELAKH ADI	LEELAKH ADI	16/1	A = 23 04 02.64 N 77 16 42.31 E B = 23 04 02.63 N 77 16 45.88 E C = 23 03 56.51 N 77 16 45.03 E D = 23 03 56.11 N 77 16 41.56 E

40

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

36	QUARR Y LEASE	SEHO 36	STONE	20-05-2020	19-05-2030	2.000	SALE	SEMI- MECHAIZED	SHIRI BHARAT GUPTA S/O SHIRI KADHABALLAB H GUPTA	930064148 6	bharat02gupta @gmail.com	LEELAKH ADI	LEELAKH ADI	16/1	A = 23 04 04.19 N 77 16 41.38 E B = 23 04 04.06 N 77 16 45.33 E C = 23 04 06.35 N 77 16 45.39 E D = 23 04 09.83 N 77 16 46.35 E E = 23 04 11.02 N 77 16 46.49 E F = 23 04 11.26 N 77 16 42.94 E G = 23 04 08.89 N 77 16 42.80 E H = 23 04 06.13 N 77 16 42.38 E	<u>RENEWAL</u>
37	QUARR Y LEASE	SEHO 37	STONE	19-09-2020	18-09-2025	0.405	SALE	SEMI- MECHAIZED	SHIRI RAKESH RAI S/O SHIRI RAKESH RAI	763730540 0	rakeshgitti@g mail.com	MAHODI YA	MAHODI YA	258/ 1/2/ KA/2	A = 23 12 14.67 N 77 01 25.98 E B = 23 12 17.05 N 77 01 26.53 E C = 23 12 16.23 N 77 01 28.31 E D = 23 12 13.90 N 77 01 27.64 E	<u>RENEWAL</u>
38	QUARR Y LEASE	SEHO 38	STONE	21-07-2009	20-07-2019	2.000	SALE	SEMI- MECHAIZED	SHOBHNA YADAV W/O SHIRI RAVINDRA YADAV	933062034 2	ravindra.yadav o@gmail.com	GUDBHE LA	GUDBHEL A	357		<u>RENEWAL</u>
39	QUARR Y LEASE	SEHO 39	STONE	31-03-2017	30-03-2027	2.000	SALE	SEMI- MECHAIZED	DANISH KHAN S/O SHIRI MOH. BAFEEQ	-	-	KHURCHI NYA	KHURCHI NYA	102/ 2		-
	QUARR Y LEASE	SEHO 41	STONE	24-05-2010	23-05-2026	2.000	SALE	SEMI- MECHAIZED	SHALENORA KUNAR S/O SHIRI BHARAT SINGH	-	-	KAPOORI	KAPOORI	153		OVER

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

41	QUARRY LEASE	ST10 42	STONE	31-05-2010	30-05-2070	1.00AC 31	SALE	SEMI-MECHANIZED	SUDHAKSHI S/O SHRI BHUJAL	-	-	KATOORI	KATOORI	376/ 276 542 77.5 74.0 92	OVER
42	QUARRY LEASE	SEHO 42	STONE	PRICIPLE APPROVAL		1.0000	SALE	SEMI-MECHANIZED	MEENAKSHI DEVI S/O SHRI SURASH KHANDELWAL	-	-	KHURCHI VVA	KHURCHI VVA	377 376 HP 77.5 74.0 92	REMOVED
43	QUARRY LEASE	SEHO 43	STONE	PRICIPLE APPROVAL		2.000	SALE	SEMI-MECHANIZED	IQBAL AHMAD S/O SHRI IFTIKHAR AHMAD	900911533 3	029faraz@gmail.com	GUDBHE LA	GUDBHEL A	357	-
44	QUARRY LEASE	SEHO 44	STONE	13-01-2021	12-01-2031	2.000	SALE	SEMI-MECHANIZED	DINESH MALVIYA S/O SHRI HEMIRAJ MALVIYA	982601471 7	madhur.vijayva rgia@gmail.com	GUDBHE LA	GUDBHEL A	358	-
45	QUARRY LEASE	SEHO 45	STONE			2.000	SALE	SEMI-MECHANIZED	MADHUR VIJAYMARGIYA S/O SHRI GOPAL KRISHNA VIJAYMARGIYA	982601471 7	madhur.vijayva rgia@gmail.com	GUDBHE LA	GUDBHEL A	359	REMOVED

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46	QUARR Y LEASE	SEHO 46	STONE	28-01-2021	27-01-2031	1.980	SALE	SEMI- MECHAIZED	AVENDRA SINGH S/O SHRI YOGESH SINGH	-	-	MOLGA	MOLGA	1/1	-
47	QUARR Y LEASE	SEHO 47	STONE	PRICIPLE APPROVAL		2.000	SALE	SEMI- MECHAIZED	VANDANA PARIHAR W/O SHIRI	992676726 4	-	KASBA	KASBA	1014	-
48	QUARR Y LEASE	SEHO 48	STONE	02-03-2021	01-03-2031	1.714	SALE	SEMI- MECHAIZED	PRAVEEN TIWARI S/O SHIRI	992902356 9	-	MAHODI YA	MAHODI YA	306/ 92/ 52/6	-
49	QUARR Y LEASE	SEHO 49	STONE			1.000	SALE	SEMI- MECHAIZED	DIKSHA INFRASTRUCTU RE	-	-	KHURCHI INYA	KHURCHI INYA	100/ 1/2	-
50	QUARR Y LEASE	SEHO 50	MARBU BU	20-10-2020	19-10-2030	2.500	SALE	SEMI- MECHAIZED	OM PANCHAN DRA S/O SHIRI KUNDIRAJ PRASAD	926022294 1	ompchandra@g mal.com	KARFENE ANI	KARFENE ANI	400/ 1	-
51	QUARR Y LEASE	SEHO 51	STONE	20-10-2020	19-10-2030	1.000	SALE	SEMI- MECHAIZED	MAHENDRA PRASAD S/O SHIRI LAKSHMIBAYA N PRASAD	926022294 1	ompchandra@g mal.com	KARFENE ANI	KARFENE ANI	400/ 1	-
52	QUARR Y LEASE	SEHO 52	STONE	14-10-2020	13-10-2020	1.000	SALE	SEMI- MECHAIZED	SOURAJ SINGH S/O SHRI MOTILAL	98811942 99	surajsinghpatel @gmail.com	KAPOORI	KAPOORI	354	-

43

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

53	QUARR Y LEASE	SEHO 53	STONE	20-11-2020	19-11-2030	1.000	SALE	SEMI- MECHAIZED	MUKESH KUMAR PATEL S/O SHRI DHANRAJ PATEL	-	-	KAPOORI	KAPOORI	176, 177/ 3	-	
54	QUARR Y LEASE	SEHO 54	STONE	PRICIPLE APPROVAL		1.000	SALE	SEMI- MECHAIZED	VIKRAM RATHOR S/O SHRI SURESH RATHOR	989311334 3	iksharma@redif mail.com	KASBA	KASBA	1014	-	
55	QUARR Y LEASE	SEHO 55	STONE	27-03-2021	26-03-2031	2.000	SALE	SEMI- MECHAIZED	SINGH PARMAR S/O SHRI GHISILAL SHRI GHISILAL PARMAR	997784853 5	-	SHAHPU R KODIA	SHAHPU R KODIA	10/2 GA	-	
56	QUARR Y LEASE	SEHO 56	STONE	PRICIPLE APPROVAL		2.000	SALE	SEMI- MECHAIZED	VIKRAM RATHOR S/O SHRI SURESH RATHOR	989311334 3	iksharma@redif mail.com	GUDBHE LA	GUDBHEL A	357, 358	-	
57	QUARR Y LEASE	SEHO 57	STONE	04-01-2022	03-01-2032	1.000	SALE	SEMI- MECHAIZED	ARJUN SINGH S/O SHRI GYAN SINGH	769191000 7	-	JATAKHE DA	JATAKHE DA	487/ 1/5, 487/ 1/3	A = 23 08 52.00 N 76 59 09.15 E B = 23 08 52.36 N 76 59 22.49 E C = 23 08 48.15 N 76 59 22.62 E D = 23 08 48.64 N 76 59 19.13 E	
58	QUARR Y LEASE	SEHO 58	STONE	PRICIPLE APPROVAL		1.500	SALE	SEMI- MECHAIZED	PARMANAND PATIDAR		-	KASBA	KASBA	1013	-	
59	QUARR Y LEASE	SEHO 59	STONE	PRICIPLE APPROVAL		1.500	SALE	SEMI- MECHAIZED	P P P L		-	KASBA	KASBA	1013	-	
60	QUARR Y LEASE	SEHO 60	STONE	PRICIPLE APPROVAL		2.900	SALE	SEMI- MECHAIZED	RAKUMAR JAISWAL S/O SHRI MUKESH JAISWAL		-	RAFEKG ANJ	RAFEKG ANJ	401/ 1	-	
61	QUARR Y LEASE	SEHO 61	STONE	PRICIPLE APPROVAL		2.000	SALE	SEMI- MECHAIZED	NAIMI KHAN S/O SHRI REHMAN KHAN	992868855 53	-	BHADELI	BHADELI	252/ 1	-	
TOTAL APPROVED MINES & TOTAL AREA		52	TOTAL			106.07 5										
						16.300										
		47	STONE			39.875										

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

S. N O.	MINE TYPE	MIN CODE	MINERAL	LEASE PERIOD FROM	LEASE PERIOD TO	LEASE AREA IN HECT.	END USE	METHOD OF MINE	NAME OF LEASEE	CONTACT NO.	EMAIL ID	GRAM PANCHAYAT	VILLAGE	KHA SRA NO.	LATITUDE / LONGITUDE DEGREE/MINUTE/SECOND	CURRENT STATUS
1	QUARRY LEASE	ASTD 01	STONE	11-07-2012	10-07-2022	1.000	SALE	SEMI-MECHANIZED	PRADEEP UDERYAN S/O SHRI RAMESH CHAND	9893145982	pradeepuderyan@gmail.com	KHAAMK HEDA	KHAAMK HEDA	75 / 1 KA	A = 22 54 34.49 N 76 43 13.61 E B = 22 54 34.61 N 76 43 18.13 E C = 22 54 38.86 N 76 43 18.02 E D = 22 54 38.80 N 76 43 13.48 E	RENEWAL
2	QUARRY LEASE	ASTD 02	STONE	14-10-2010	12-10-2020	2.000	SALE	SEMI-MECHANIZED	VHENDRA SINGH TRAMUR S/O SHRI OLV SINGH TRAMUR	973406323	vhendrasinghtramura@gmail.com	TRAMUR HEDA	TRAMUR HEDA		A = 23 03 56.58 N 76 48 54.30 E B = 23 03 56.51 N 76 49 05.07 E C = 23 03 01.82 N 76 48 46.75 E D = 23 03 01.57 N 76 48 52.88 E	RENEWAL
3	QUARRY LEASE	ASTD 03	STONE	26-03-2015	25-03-2025	2.000	SALE	SEMI-MECHANIZED	DEVENDRA SINGH S/O SHRI VIKRAM SINGH	965101826	devendrasinghtramura@gmail.com	MUBARA KPUR	MUBARA KPUR	270	A = 22 59 33.34 N 76 48 29.42 E B = 22 59 33.28 N 76 48 35.96 E C = 22 59 38.42 N 76 48 35.91 E D = 22 59 38.46 N 76 48 28.55 E	-
	QUARRY LEASE	ASTD 04	STONE	05-08-2010	05-08-2020	0.800	SALE	SEMI-MECHANIZED	MADHUKAR PATIL S/O SHRI BONDALAL PATIL	942544688	patildarcr@gmail.com	AMHARUP UR	AMHARUP UR	3	A = 22 59 46.82 N 76 42 11.22 E B = 22 59 45.75 N 76 42 14.85 E C = 22 59 49.29 N 76 42 15.17 E D = 22 59 50.49 N 76 42 11.70 E	RENEWAL

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

5	QUARRY Y LEASE	ASTO 05	STONE	26-03-2015	25-03-2023	4.000	SALE	SEMI- MECHAIZED	MEHARBAAN SINGH S/O SHRI DEV SINGH	9893011426	Satishmetwada2 20@gmail.com	RASULPU RA	RASULPU RA	471	A = 22 59 08.00 N 76 48 44.15 E B = 22 59 54.07 N 76 48 55.36 E C = 23 00 01.71 N 76 48 55.95 E D = 23 00 01.73 N 76 48 43.01 E
6	QUARRY Y LEASE	ASTO 06	STONE	09-05-2014	08-05-2024	1.700	SALE	SEMI- MECHAIZED	VIRENDRA SINGH S/O SHRI KUMER SINGH	-	-	PATARIA CHAUHA N	PATARIA CHAUHA N	3/2, 5/1	A = 22 55 52.86 N 76 39 13.29 E B = 22 56 56.66 N 76 39 13.29 E C = 22 56 57.34 N 77 39 14.84 E D = 22 56 55.92 N 76 39 11.10 E
7	QUARRY Y LEASE	ASTO 07	STONE	13 / 8 2013	12-08-2023	4.000	SALE	SEMI- MECHAIZED	JAGDESH BASANTANHI S/O SHRI GULAB RAI	9424449000	GULABRAISON S@GMAIL.COM	TITORIA	TITORIA	439/ 1	A = 23 06 16.76 N 76 38 23.09 E B = 23 06 16.51 N 76 38 27.84 E C = 23 06 22.98 N 76 38 27.83 E D = 23 06 22.99 N 76 38 21.32 E
8	QUARRY Y LEASE	ASTO 08	STONE	22-02-2014	21-02-2024	2.000	SALE	SEMI- MECHAIZED	RAMPASAAD S/O SHRI GANGARAM	9993119430	dharmaendrapar mar30@gmail.c om	TITORIA	TITORIA	439/ 1	A = 23 04 52.89 N 76 38 06.88 E B = 23 04 52.68 N 76 38 09.71 E C = 23 04 56.25 N 76 38 10.59 E D = 23 04 56.70 N 76 38 05.26 E
9	QUARRY Y LEASE	ASTO 09	STONE	26-09-2013	25-09-2023	2.000	SALE	SEMI- MECHAIZED	MAHENDRA SINGH S/O SHRI GOPAL SINGH	9826972397	-	LORASKH URD	LORASKH URD	359/ 1	A = 23 08 25.52 N 76 43 55.93 E B = 23 08 25.14 N 76 44 02.11 E C = 23 08 29.56 N 76 44 02.89 E D = 23 08 29.94 N 76 43 55.35 E

(G.P.) Paryavaran Vigyan Prasthapan
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10	QUARRY LEASE	ASTD 10	STONE	20-03-2015	19-03-2025	2,000	SALE	SEMI-MECHANIZED	KUMAR SINGH MEWADA S/O SHRI BEVI SINGH MEWADA	9752268185	kumarsingh1969@gmail.com	LORASKH URD	LORASKH URD	359 / 1	A = 23 08 25.52 N 76 43 55.93 E B = 23 08 25.14 N 76 44 02.11 E C = 23 08 29.66 N 76 44 02.69 E D = 23 08 29.94 N 76 43 55.35 E	-
11	QUARRY LEASE	ASTD 11	STONE	05-10-2010	04-10-2020	1,000	SALE	SEMI-MECHANIZED	TRANSFEREE SINGH THAKUR S/O SHRI CHAIR SINGH THAKUR TO RAJENDRA SINGH	9827561532	9827561532@gmail.com	RUPETA	RUPETA	157 / 1 / 24	A = 23 00 08.09 N 76 36 56.79 E B = 23 00 13.64 N 76 37 04.17 E C = 23 00 17.02 N 76 37 01.36 E D = 23 00 11.93 N 76 36 54.11 E	RAJENDRA SINGH (D.)
12	QUARRY LEASE	ASTD 12	STONE	31-05-2014	30-05-2024	4,000	SALE	SEMI-MECHANIZED	INDER SINGH THAKUR S/O SHRI DAULAT SINGH THAKUR	9827561532	indersinghthakur1975@gmail.com	KOTHRI	KOTHRI	362 / 2	A = 23 03 03.17 N 76 48 59.33 E B = 23 02 57.28 N 76 49 07.11 E C = 23 02 54.01 N 76 49 04.78 E D = 23 02 54.11 N 76 49 03.79 E E = 23 02 59.70 N 76 48 56.27 E	-
13	QUARRY LEASE	ASTD 13	STONE	08-01-2016	07-06-2026	1,000	SALE	SEMI-MECHANIZED	PREETH MEWADA S/O SHRI AMAR SINGH MEWADA	9826920683	kamalsinghmewada.2017@gmail.com	KAMALDK HEDI	KAMALDK HEDI	331 / 1	A = 23 02 00.80 N 76 41 01.20 E B = 23 02 00.14 N 76 41 10.69 E C = 23 02 03.75 N 76 41 10.56 E D = 23 02 03.54 N 76 41 10.70 E	-
14	QUARRY LEASE	ASTD 14	STONE	18-01-2011	18-03-2021	1,000	SALE	SEMI-MECHANIZED	NICHAN SINGH S/O SHRI RAM SINGH	-	-	SHAMAR DA	SHAMAR DA	376	A = 23 00 28.11 N 76 40 03.52 E B = 23 00 29.47 N 76 40 04.72 E C = 23 00 31.45 N 76 40 03.42 E	SHAMAR DA

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

17	QUARR Y LEASE	ASTO 17	STONE	26-05-2011	25-05-2021	2,000	SALE	SEMI-MECHAIZED	SUNEETA THAKUR S/O SHIRI RAJENDRA SINGH THAKUR	9981385805	maangangaston@gmail.com	BAAGER	BAAGER	535 / 1	<p>RENEWAL</p> <p>A = 76 48 21.20 E 22 58 13.70 N B = 76 48 22.40 E 22 58 09.60 N C = 76 48 18.50 E 22 58 09.40 N D = 76 48 17.60 E 22 58 12.60 N</p>	BEYOND
18	QUARR Y LEASE	ASTO 18	STONE	23-05-2014	22-05-2024	3,680	SALE	SEMI-MECHAIZED	JAGDEESH BASANTANII S/O SHIRI GULAB RAI	9424445900	GULABRAISON5@gmail.com	BEINATH	BEINATH	1113	<p>A = 23 08 12.25 N 76 36 54.43 E B = 23 06 12.36 N 76 36 58.41 E C = 23 06 19.23 N 76 36 54.95 E D = 22 58 03.06 N 76 48 17.17 E E = 22 58 02.96 N 76 48 30.19 E F = 22 57 59.54 N 76 48 29.90 E G = 22 57 59.53 N 76 48 16.58 E</p>	
19	QUARR Y LEASE	ASTO 19	STONE	09-04-2018	08-04-2028	4,000	SALE	SEMI-MECHAIZED	SUNEETA THAKUR S/O SHIRI RAJENDRA SINGH THAKUR	9981385805	maangangaston@gmail.com	KHAAND AURPUR	KHAAND AURPUR	2 / 1		
20	QUARR Y LEASE	ASTO 20	STONE	09-07-2014	08-07-2024	4,000	SALE	SEMI-MECHAIZED	DEEPAK PATIDAR S/O SHIRI MADANLAL PATIDAR	9425496888	patidarci@gmail.com	KANNOD MIRZI	KANNOD MIRZI	425 / 1 KA	<p>A = 22 53 20.74 N 76 41 29.71 E B = 22 53 20.82 N 76 41 37.68 E C = 22 53 27.57 N 76 41 38.22 E D = 22 53 27.20 N 76 41 29.69 E</p>	

(17) JAGDEESH BASANTANII S/O SHIRI GULAB RAI
 (18) JAGDEESH BASANTANII S/O SHIRI GULAB RAI
 (19) SUNEETA THAKUR S/O SHIRI RAJENDRA SINGH THAKUR
 (20) DEEPAK PATIDAR S/O SHIRI MADANLAL PATIDAR

21	QUARR Y LEASE	ASTO 21	STONE	28-09-2015	27-09-2025	4.000	SALE	SEMI- MECHAZIED	HARIOM STONE CRUSHER	9752910037	kumar.jitendrat ender@gmail.c om	SEWADA	SEWADA	83/ 1	A = 23 07 35.67 N 76 38 49.20 E B = 23 07 31.76 N 76 38 52.53 E C = 23 00 07.33 N 76 38 53.17 E D = 23 07 39.68 N 76 38 55.37 E E = 23 07 41.19 N 76 38 52.90 E
22	QUARR Y LEASE	ASTO 22	AJURNU	19-01-2017	30-01-2027	1.000	SALE	SEMI- MECHAZIED	HARENDRA SINGH THAKUR S/O GAJRAJ SINGH	9993603012	harendrasingh7 049@gmail.com	BARAGER	BARAGER	119/ 1	A = 22 58 13.78 N 76 47 40.39 E B = 22 58 13.00 N 76 47 46.38 E C = 22 58 16.40 N 76 47 46.45 E D = 22 58 16.48 N 76 47 48.38 E
23	QUARR Y LEASE	ASTO 23	STONE	07-03-2018	06-03-2028	2.000	SALE	SEMI- MECHAZIED	HARIOM STONE CRUSHER	9752910037	kumar.jitendrat ender@gmail.c om	SEWADA	SEWADA	119/ 1	A = 23 06 44.70 N 76 38 43.20 E B = 23 06 41.18 N 76 38 44.54 E C = 23 06 39.30 N 76 38 35.25 E D = 23 06 42.72 N 76 38 37.54 E
24	QUARR Y LEASE	ASTO 24	STONE	10-08-2016	09-08-2026	1.000	SALE	SEMI- MECHAZIED	DHARMENDRA THAKUR S/O GAJRAJ SINGH THAKUR	9630933143	dharmendratia kur8143@gmail .com	GAWAKH EDA	GAWAKH EDA	712/ 1	A = 23 03 18.12 N 76 50 48.70 E B = 23 03 15.62 N 76 50 55.92 E C = 23 03 14.80 N 76 50 49.31 E
25	QUARR Y LEASE	ASTO 25	STONE	06-02-2014	05-02-2024	1.200	SALE	SEMI- MECHAZIED	RANDHEER SINGH THAKUR	9827023311	vijendsingh331 1@gmail.com	DEEPLAK HEDI	DEEPLAK HEDI	1/2	A = 22 57 12.36 N 76 41 55.45 E B = 22 57 16.19 N 76 42 01.00 E C = 22 57 19.21 N 76 41 58.15 E D = 22 57 14.36 N 76 41 53.81 E

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

26	QUARRY LEASE	ASTO 26	STONE	09-05-2014	08-05-2024	2.000	SALE	SEMI-MECHAIZED	TRANSFER LEASE AJAAB SINGH S/O SHRI AJAY MARAVAN SINGH TO VUENDRA SINGH THAKUR	9039364595	ppaliwal@gmail.com	AHADP UR	AHADP UR	509	A = 22 57 55.60 N 76 48 23.92 E B = 22 58 04.07 N 76 48 28.46 E C = 22 58 03.33 N 76 48 28.30 E D = 22 59 01.89 N 76 48 19.76 E	
28	QUARRY LEASE	ASTO 28	STONE	20-12-2014	25-12-2024	2.000	SALE	SEMI-MECHAIZED	TRILOK SINGH S/O SHRI CHANDAR SINGH	9300969209	erjunnemendabhadhi@gmail.com	MAALINH EDI	MAALINH EDI	24 / 1 / 1 KA	A = 22 56 30.71 N 76 41 34.31 E B = 22 56 16.52 N 76 41 37.58 E C = 22 56 20.74 N 76 41 39.07 E D = 22 56 22.29 N 76 41 35.89 E	
30	QUARRY LEASE	ASTO 30	STONE	11-02-2014	10-02-2024	2.000	SALE	SEMI-MECHAIZED	BAHADUR SINGH THAKUR S/O SHRI CHAIN SINGH	9827340850	tejsingh0886@gmail.com	TEEPAKH EDI	TEEPAKH EDI	21/3	A = 23 00 54.11 N 76 48 65.53 E B = 23 00 54.91 N 76 48 20.75 E C = 23 01 04.64 N 76 48 17.35 E D = 23 01 02.93 N 76 48 12.03 E	
31	QUARRY LEASE	ASTO 31	STONE	11-07-2014	10-02-2024	1.000	SALE	SEMI-MECHAIZED	RAJENDRA SINGH THAKUR S/O SHRI DAULAT SINGH	9981385805	maagangaston@gmail.com	SAAMAR DA	SAAMAR DA	178 / 1		

State Level Environment Impact Assessment Authority (M.P.)
 Paryavaran Parisar
 E-5, Arera Colony, Bhopal (M.P.)
 50

32	QUARR Y LEASE	ASTO 33	STONE	12-09-2018	11-09-2028	2000	SALE	SEMI- MECHANIZED	RAJENDRA SINGH THAKUR S/O SHRI DASLAKT SINGH	9827340850	teja@n08866@gmail.com	SAAMAR DA	SAAMAR DA	172/ 1	A = 76 49 17.10 E 23 02 45.70 N B = 76 49 16.20 E 23 02 42.70 N C = 76 49 07.40 E 23 02 47.00 N D = 76 49 08.70 E 23 02 50.00 N A = 23 02 26.23 N 76 49 19.89 E B = 23 02 26.22 N 76 49 19.45 E C = 23 02 29.15 N 76 49 25.31 E D = 23 02 25.66 N 76 49 29.35 E E = 23 02 23.56 N 76 49 29.73 E F = 23 02 22.35 N 76 49 20.02 E	NON AVAILABLE 01
33	QUARR Y LEASE	ASTO 33	STONE	11-01-2010	10-01-2029	4000	SALE	SEMI- MECHANIZED	BAHAJUR SINGH THAKUR S/O SHRI CHAIIN SINGH	9827340850	teja@n08866@gmail.com	SAAMAR DA	SAAMAR DA	178/ 1, 178/ 2	A = 23 02 35.70 N 76 49 19.12 E B = 23 02 42.23 N 76 49 25.44 E C = 23 02 55.96 N 76 49 11.68 E D = 23 02 48.98 N 76 49 06.58 E	-
34	QUARR Y LEASE	ASTO 34	STONE	26-02-2021	25-02-2031	2000	SALE	SEMI- MECHANIZED	CHAIIN SINGH S/O SHRI DASBATH SINGH	9088715033	-	SAAMAR DA	SAAMAR DA	178/ 1,	A = 23 02 31.29 N 76 49 27.79 E B = 23 02 31.08 N 76 49 30.45 E C = 23 02 23.46 N 76 49 30.12 E D = 23 02 22.95 N 76 49 27.88 E	OVER
35	QUARR Y LEASE	ASTO 35	STONE	08-05-2020	04-05-2022	2000	SALE	SEMI- MECHANIZED	SHALENDRA SINGH THAKUR S/O SHRI BALSAHAJUR	-	-	SAAMAR DA	SAAMAR DA	175/ 1	A = 23 02 31.29 N 76 49 27.79 E B = 23 02 31.08 N 76 49 30.45 E C = 23 02 23.46 N 76 49 30.12 E D = 23 02 22.95 N 76 49 27.88 E	OVER
36	QUARR Y LEASE	ASTO 36	STONE	29-05-2015	28-05-2025	1500	SALE	SEMI- MECHANIZED	CHEVAL SINGH S/O SHRI KAMAL SINGH	9993289556	-	TEEPANH EDI	TEEPANH EDI	21/3	A = 23 02 31.29 N 76 49 27.79 E B = 23 02 31.08 N 76 49 30.45 E C = 23 02 23.46 N 76 49 30.12 E D = 23 02 22.95 N 76 49 27.88 E	-

37	QUARR Y LEASE	ASTO 37	STONE	09-10-2014	08-10-2024	1.000	SALE	SEMI- MECHAIZED	MAAN SINGH S/O SHRI RATAN SINGH	9202455928	mshpats1518@ mail.com	PIPALLA RAIDAS	PIPALLA RAIDAS	239/ 3	A = 22 53 25.89 N 76 40 47.34 E B = 22 53 26.52 N 76 40 49.23 E C = 22 53 31.97 N 76 40 48.81 E D = 22 53 30.75 N 76 40 46.63 E	-
38	QUARR Y LEASE	ASTO 38	STONE	15-10-2020	14-10-2030	2.000	SALE	SEMI- MECHAIZED	SHRI VUENDRA SINGH THAKUR	9754066223	vijendrasinghth akur2019@gma il.com	TEEPAKH EDI	TEEPAKH EDI	18	A = 23 02 52.27 N 76 49 09.97 E B = 23 02 54.29 N 76 48 13.08 E C = 23 02 52.03 N 76 49 14.62 E D = 23 02 50.13 N 76 49 17.87 E E = 23 02 47.43 N 76 49 14.36 E	RENEWAL
40	QUARR Y LEASE	ASTO 40	STONE	09-07-2014	08-07-2024	2.000	SALE	SEMI- MECHAIZED	DEEPAK PATIDAR S/O SHRI MADANI LAL PATIDAR	9425496888	patida-cri@gma il.com	KANNOD MIRZI	KANNOD MIRZI	424/ 1		-
42	QUARR Y LEASE	ASTO 42	STONE	PRICIPLE APPROVAL	PRICIPLE APPROVAL	4.000	SALE	SEMI- MECHAIZED	PRADEEP SINGH THAKUR S/O SHRI KUMER SINGH THAKUR			TITORIA	TITORIA	441		-
43	QUARR Y LEASE	ASTO 43	STONE	PRICIPLE APPROVAL	PRICIPLE APPROVAL	4.000	SALE	SEMI- MECHAIZED	SATISH MEWADA S/O SHRI MEHARBAN SINGH MEWADA	9893011426	Satishmewadaz 20@gmail.com	RASULPU RA	RASULPU RA	472		-

State Level Environment Impact
 Assessment Authority, M.P.
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45	QUARR Y LEASE	ASTO 45	STONE	PRICIPLE APPROVAL 16-05-2018	2.000	SALE	SEMI- MECHANIZED	TANUJ KHERA S/O SHRI PLAKHRAJ BOHRA	982335055	AHMADP UR- VIRAH	AHMADP UR- VIRAH	52/9	A = 23 02 53.55 N 76 49 01.86 E B = 23 02 56.13 N 76 49 05.80 E C = 23 02 53.11 N 76 49 07.66 E D = 23 02 51.87 N 76 49 06.12 E	
46	QUARR Y LEASE	ASTO 46	STONE	PRICIPLE APPROVAL 05-10-2020	1.000	SALE	SEMI- MECHANIZED	TRANSFER LEASE TO TEJ SINGH THAKUR TC RAJENDRA SINGH S/O SHIRI RATAN SINGH	982286401 sonaniya@gmail. com	RUPETA	RUPETA	167/ 17KH A/24	A = 23 00 12.70 N 76 36 58.30 E B = 23 00 15.18 N 76 37 03.37 E C = 23 04 14.14 N 76 37 04.95 E D = 23 00 11.41 N 76 36 59.75 E	RENEWAL
47	QUARR Y LEASE	ASTO 47	STONE	PRICIPLE APPROVAL 12-09-2018	1.700	SALE	SEMI- MECHANIZED	RAJENDRA SINGH THAKUR S/O SHIRI DAULAT SINGH	988-385805 raajangastan @gmail.com	SAAMAR DA	SAAMAR DA	178/ 1	A = 23 02 49.39 N 76 49 09.35 E B = 23 02 45.89 N 76 49 17.58 E C = 23 02 47.99 N 76 49 19.51 E D = 23 02 51.34 N 76 49 10.89 E	RENEWAL
48	QUARR Y LEASE	ASTO 48	STONE	PRICIPLE APPROVAL 21-09-2020	4.000	SALE	SEMI- MECHANIZED	GYAN SINGH S/O SHIRI DHANPAL SINGH	9179229171 gyansinghvern az@gmail.com	SEWADA	SEWADA	119 /1	A = 23 06 41.04 N 76 38 45.59 E B = 23 06 45.31 N 76 38 43.42 E C = 23 06 49.96 N 76 38 51.45 E D = 23 06 45.82 N 76 38 53.95 E	RENEWAL
49	QUARR Y LEASE	ASTO 49	STONE	PRICIPLE APPROVAL	2.000	SALE	SEMI- MECHANIZED	VISHNU PATIDAR S/O SHIRI DEV SINGH PATIDAR	98858046	KANNOD MIRZI	KANNOD MIRZI	364/ 2		

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50	QUARR LEASE	ASTO 50	STONE	PRICIPLE APPROVAL	4,000	SALE	SEMI- MECHAIZED	BHAVNA CHOUHAN S/O SHRI SANTOSH GUDWAN	7987607050	-	SEODA	SEODA	119/ 1	-
	TOTAL APPROVED MINES & TOTAL AREA	38	TOTAL STONE		94,780									
					8,500									
		36	STONE		90,780									

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S. N. O.	MINE TYPE	MIN E COD E	MINERAL	LEASE PERIOD FROM	LEASE PERIOD TO	LEASE ARE A I IN HEC.	END USE	METHOD OF MINE	NAME OF LEASE	CONTACT NO.	EMAIL ID	GRAM PANCHAYAT	VILLAGE	KVA SNA NO.	LATITUDE / LONGITUDE DEGREE/MINUTE/S ECONO	CURRENT STATUS
1	QUARR Y LEASE	JWR 001	STONE	03-05-2019	02-05-2029	7.67 9	SALE	SEMI MECHANIZED	MOHAMMADIN SHEKH S/D SHRI AVAZ UD DIN SHEKH			JHILLELA	JHILLELA	590/ 1/KH A, 690/ 3GH A	A = 22 58 50.74 N 76 36 08.53 E B = 22 58 50.74 N 76 36 15.91 E C = 22 58 53.35 N 77 35 16.57 E D = 22 58 53.70 N 76 36 18.81 E E = 22 58 55.89 N 76 36 19.44 E F = 22 58 55.13 N 76 36 23.42 E G = 22 58 45.68 N 76 36 17.03 E H = 22 58 43.61 N 76 36 05.89 E	-
2	QUARR Y LEASE	JWR 002	STONE	02-02-2018	01-02-2028	2.00 0	SALE	SEMI MECHANIZED	SUMITA THAKUR W/O SHIRI RAJENDRA SINGH		maagan@astor@b mail.com	KARVIYA KHEDI	KARVIYA KHEDI	248/ 371K A	A = 23 00 08.70 N 76 35 52.70 E B = 23 00 10.78 N 76 36 03.03 E C = 23 00 07.89 N 76 36 01.35 E D = 23 00 06.26 N 76 35 59.36 E	-
	QUARR Y LEASE		STONE	30-03-2010	28-10-2020	4.00	SALE	SEMI MECHANIZED	RAJENDRA SINGH THAKUR S/O SHIRI DALJAT SINGH	9981385805	maagan@astor@b mail.com	KARVIYA KHEDI	KARVIYA KHEDI	242/ 371K A		RENEWAL [X]
	QUARR Y LEASE		STONE	07-04-2011	06-06-2021	4.00	SALE	SEMI MECHANIZED	DARSHAN SINGH S/O SHIRI YUGENDRA SINGH	9826623102	pdms13@bmail.c om	KADIRKH EDI	KADIRKH EDI	203/ 371K 66A		RENEWAL [X]

(d) Special Director
 Forest Department
 Government of Madhya Pradesh
 Bhopal

5	CLUSTER JWR 005	ALGERU JA	21-06-2020	44-42033	2.00 0	SALE	SEM MECHANIZED	SANAI SINGH S/O SHRI SAJAN SINGH	91 79743-9834	GURADIA MANDA	GURADIA MANDA	437/ 122/ Z	A = 22 58 24.89 N 76 31 27.51 E B = 22 58 23.26 N 76 31 29.01 E C = 22 58 24.93 N 76 31 27.04 E D = 22 58 24.40 N 76 31 33.88 E E = 22 58 23.04 N 76 31 34.83 E F = 22 58 22.86 N 76 31 27.95 E	
6	QUARR Y LEASE	STONE	02-07-2021	01-07-2031	2.00 0	SALE	SEMI MECHANIZED	NARENDRA SINGH THAKUR S/O SHRI MOHAN SINGH	9340391958	KAJLAS	KAJLAS	942/ 1/K A	A = 23 02 52.41 N 76 28 35.77 E B = 23 02 55.14 N 76 28 35.71 E C = 23 02 56.32 N 76 28 46.89 E D = 23 02 55.94 N 76 28 46.82 E E = 23 02 52.36 N 76 28 37.69 E	-
7	QUARR Y LEASE	STONE	08-07-2021	07-07-2031	1.20 0	SALE	SEMI MECHANIZED	SHRI LOKENDRA SINGH THAKUR S/O SHRI KAMAL SINGH	9907688008	SHEKHUK HEDA	SHEKHUK HEDA	520/ 2/2K HA.5 90/5 20	A = 22 58 48.46 N 76 32 04.24 E B = 22 58 55.99 N 76 31 59.01 E C = 22 58 55.42 N 76 32 00.49 E D = 22 58 54.30 N 76 32 01.46 E E = 22 58 55.18 N 76 32 02.98 E F = 22 58 50.89 N 76 32 04.74 E	-
8	QUARR Y LEASE	STONE	06-04-2021	05-04-2031	4.00 0	SALE	SEMI MECHANIZED	DARSHAN SINGH S/O SHRI YOGENDRA SINGH	9039382038	KABIRKH EDI	KABIRKH EDI	203/ 1/GA	A = 22 57 34.00 N 76 30 30.64 E B = 22 57 38.40 N 76 30 30.64 E C = 22 57 38.40 N 76 30 41.67 E D = 22 57 34.00 N 76 30 41.67 E	RENEWAL

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Paryavaran Parishad, Bhopal (M.P.)

9	QUARR Y LEASE	JWR 009	STONE	PRICIPLE APPROVAL	2.00 0	SALE	SEMI MECHANIZED	PRAYVEEN SINGH S/O SHIRI YOGENDRA SINGH	-	-	DHURAD AKALAN	DHURAD AKALAN	145/ 1	-
10	QUARR Y LEASE	JWR 010	STONE	PRICIPLE APPROVAL	2.00 0	SALE	SEMI MECHANIZED	SUDEEP SINGH THAKUR S/O SHIRI GAJRAJ SINGH	-	-	DHURAD AKALAN	DHURAD AKALAN	145/ 1	-
11	QUARR Y LEASE	JWR 011	STONE	31-12-2020 30-12-2030	1.40 0	SALE	SEMI MECHANIZED	RAVINDRA YADAV S/O SHIRI DEVKARAN YADAV	5584262522	-	SHEKHUK HEDA	SHEKHUK HEDA	520/ 2/2K A	-
12	QUARR Y LEASE	JWR 012	STONE	29-10-2020 28-10-2030	4.00 0	SALE	SEMI MECHANIZED	RAJENDRA SINGH THAKUR S/O SHIRI DALUAT SINGH	9981385805	maagangston@ mail.com	KAKRIYA KHEDI	KAKRIYA KHEDI	248/ 3/1K A	RENEWAL A = 23 00 11.60 N 76 35 51.11 E B = 23 00 14.83 N 76 36 00.24 E C = 23 00 10.32 N 76 36 02.07 E D = 23 00 07.42 N 76 35 54.80
13	QUARR Y LEASE	JWR 013	400RBU M	28-12-2022 27-02-2032	4.00 0	SALE	SEMI MECHANIZED	HAMID KHAN S/O SHIRI MAHRETAZ KHAN	950009768	-	SHEKHUK HEDA	SHEKHUK HEDA	A = 22 59 59.95 N 76 32 02.86 E B = 22 59 59.60 N 76 32 10.38 E C = 22 59 58.22 N 76 32 12.33 E D = 22 59 55.98 N 76 32 14.42 E E = 22 59 53.85 N 76 32 10.44 E F = 22 59 54.07 N 76 32 09.24 E G = 22 59 53.43 N 76 32 08.81 E H = 22 59 52.80 N 76 32 08.73 E I = 22 59 51.21 N 76 32 05.81 E	

State Level Environment Impact
 Assessment Authority, M.P.
 Paryavaran Parisar
 E-5, Arera Colony, Bhopal (M.P.)
 57

14	QUARRY LEASE	JWR 014	STONE	05-12-2020	04-12-2030	2.00 0	SALE	SEMI MECHANIZED	DEVENDRA SINGH SINGH SENDHAV S/O SHIRI KAILASH SINGH SINGH SENDHAV	09665578737	tejsingh0886@gmail.com	KAILAS	KAILAS	342/ 1/1K A	-
TOTAL APPROVED MINES & TOTAL AREA		14	TOTAL			34.3 79									
		3	MINES			5.00									
		10	STONE			29.3 79									

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

S. N. D.	MINE TYPE	MIN CODE	MINERAL	LEASE PERIOD FRM	LEASE PERIOD TO	LEASE AREA (IN HEC.)	END USE	METHOD OF MINE	NAME OF LEASE	CONTACT NO.	EMAIL ID	GRAM PANCHAYAT	VILLAGE	KHASRA NO.	LATITUDE / LONGITUDE DEGREE/MINUTE/SECOND	CURRENT STATUS
1	QUARRY LEASE	ICHO 01	STONE	09-10-2015	08-10-2025	2.000	SALE	SEMI MECHANIZED	KAMAL SINGH THAKUR S/O SHIRI NARBAT SINGH	9925025918	kamalsinghthakur361@gmail.com	SATIPAL IA	SATIPAL IA	416 / 3 / 7	A = 22 59 53.80 N 76 55 51.48 E B = 22 59 52.59 N 77 55 52.26 E C = 22 59 52.97 N 76 55 48.60 E D = 22 59 51.51 N 76 55 49.12 E	-
2	QUARRY LEASE	ICHO 02	STONE	06-08-2014	05-08-2024	2.000	SALE	SEMI MECHANIZED	SWARNOP SINGH S/O SHIRI PARABULAA S SINGH	-	-	KHANNA SINGA	MUKHANA SIRGA	-	-	-
3	QUARRY LEASE	ICHO 03	STONE	31-05-2014	30-05-2024	2.000	SALE	SEMI MECHANIZED	SURENDRA SINGH THAKUR S/O SHIRI BHERU SINGH	9479532247	kalyansinghthakur2@gmail.com	BORDIKA LAN	BORDIKA LAN	356/3	-	-
4	QUARRY LEASE	ICHO 04	STONE	22-09-2010	21-09-2024	3.000	SALE	SEMI MECHANIZED	TEJ SINGH THAKUR S/O SHIRI CHAN SINGH THAKUR	9827347870	tejsinghthakur@gmail.com	CHAGLY HUDI	SHADAT HADI	16/1	A = 23 07 56.00 N 76 55 50.33 E B = 23 07 53.20 N 76 55 53.46 E C = 23 07 57.46 N 76 56 06.24 E D = 23 08 01.99 N 76 56 03.41 E E = 23 08 01.81 N 76 55 52.22 E	RECONSTRUCTION
5	QUARRY LEASE	ICHO 05	STONE	12-07-2014	11-07-2024	1.000	SALE	SEMI MECHANIZED	OMI PRAKASH VERMA S/O SHIRI KARAN SINGH VERMA	985715248	vishnuverma2.vv@gmail.com	JAMONIA HATESIN GH	JAMONIA HATESIN GH	20/5	A = 23 06 08.02 N 76 56 08.13 E B = 23 06 06.17 N 76 56 05.43 E C = 23 06 01.82 N 76 56 09.04 E D = 23 06 05.73 N 76 56 05.41 E	-

65

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6	QUARR Y LEASE	CHO 06	STONE	07-10-2015	06-10-2025	4,000	SALE	SEMI MECHANIZED	M/S M M STONE CRUSHER	9425012465	ejay278@yahoo.c om	ABIDABA AD	ABIDABA AD	200/1	A = 23 02 22.42 N 77 17 30.04 E B = 23 02 29.38 N 77 17 30.24 E C = 23 02 28.98 N 77 17 37.60 E D = 23 02 21.94 N 77 17 36.27 E
7	QUARR Y LEASE	CHO 07	STONE	06-03-2015	05-09-2025	4,000	SALE	SEMI MECHANIZED	BHEEMIA STONE CRUSHER	-	-	ABIDABA AD	ABIDABA AD	200/1	A = 23 02 24.05 N 77 17 36.30 E B = 23 02 34.96 N 77 17 36.30 E C = 23 02 35.06 N 77 17 42.60 E D = 23 02 24.05 N 77 17 41.83 E
8	QUARR Y LEASE	CHO 08	STONE	11-01-2019	10-01-2029	3 800	SALE	SEMI MECHANIZED	ARCHANA W/O YOGESH	9399195127	bipinpandey3688 @gmail.com	ABIDABA AD	ABIDABA AD	200/1	A = 23 02 36.16 N 77 17 17.79 E B = 23 02 32.39 N 77 17 17.96 E C = 23 02 32.14 N 77 17 23.72 E D = 23 02 29.96 N 77 17 26.93 E E = 23 02 35.72 N 77 17 27.18 E
9	QUARR Y LEASE	CHO 09	STONE	11-01-2019	10-01-2029	4,0000	SALE	SEMI MECHANIZED	VIPIN PANDEY S/O SHRI R. D. PANDEY	9399195127	bipinpandey3688 @gmail.com	ABIDABA AD	ABIDABA AD	200/1	A = 23 02 23.46 N 77 17 25.20 E B = 23 02 27.82 N 77 17 24.99 E C = 23 02 27.88 N 77 17 24.06 E D = 23 02 29.23 N 77 17 24.09 E F = 23 02 23.82 N 77 17 30.40 E

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10	QUARR Y LEASE	ICHO 10	STONE	10-01-2017	09-01-2027	3.404	SALE	SEMI MECHANIZED	SUNEEL PATIL S/O SHIRI PANDARI	9827075702	sunil.patiljms@g mail.com	ABIDABA AD	ABIDABA AD	187/10A 187/1 CHA	-	A = 23 02 29.04 N 77 17 50.63 E B = 23 02 29.11 N 77 17 55.25 E C = 23 02 25.24 N 77 17 56.07 E D = 23 02 22.68 N 77 17 54.07 E E = 23 02 22.19 N 77 17 54.58 E F = 23 02 24.84 N 77 17 56.62 E G = 23 02 17.57 N 77 17 56.70 E H = 23 02 17.57 N 77 17 57.58 E I = 23 02 15.00 N 77 17 57.64 E
11	QUARR Y LEASE	ICHO 11	STONE	28-02-2011	27-02-2021	0.675	SALE	SEMI MECHANIZED	AVANTIKA FARELA W/O SHIRI SUNEEL KUMAR	9826496249	AVANTIKAFARELA @GMAIL.COM	ICHABAR	ICHABAR	160/1	<u>RENEWAL</u>	A = 23 07 52.36 N 76 56 04.50 E B = 23 07 54.64 N 76 56 08.97 E C = 23 07 59.38 N 76 56 07.15 E D = 23 07 56.97 N 76 56 02.61 E
12	QUARR Y LEASE	ICHO 12	STONE	20-09-2018	19-09-2028	3.900	SALE	SEMI MECHANIZED	PRASHANT CHAUHAN S/O SHIRI DEVI SINGH CHAUHAN	-	-	BAAMILA DAD	BAAMILA DAD	97	-	A = 23 02 24.94 N 77 16 44.10 E B = 23 02 27.19 N 77 16 48.97 E C = 23 02 35.43 N 77 16 45.65 E D = 23 02 34.51 N 77 16 41.56 E
13	QUARR Y LEASE	ICHO 13	STONE	09-04-2014	08-04-2024	1.350	SALE	SEMI MECHANIZED	PARAS STONE CRUSHER PRO. SHIRI SURENDRA PATEL	9800713377	mukeshsharma13 74@gmail.com	BAAMILA DAD	BAAMILA DAD	95/1	-	A = 23 02 35.71 N 77 16 48.48 E B = 23 02 36.25 N 77 16 50.39 E C = 23 02 32.55 N 77 16 53.01 E D = 23 02 31.41 N 77 16 52.78 E E = 23 02 31.02 N 77 16 48.67 E

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14	QUARR Y LEASE	ICH0 14	STONE	26-06-2014	25-06-2024	3.800	SALE	SEMI MECHANIZED	PARAS STONE CRUSHER PRO. SHIRI MUKESH SHARMA	9300713377	mukeshsharma13 74@gmail.com	BAAMLA DAD	BAAMLA DAD	94	A = 23 02 30.42 N 77 16 49.25 E B = 23 02 32.09 N 77 16 53.68 E C = 23 02 32.87 N 77 16 53.63 E D = 23 02 33.04 N 77 16 54.59 E E = 23 02 30.97 N 77 16 55.35 E F = 23 02 28.86 N 77 17 03.18 E G = 23 02 25.19 N 77 16 53.89 E	SALE
16	QUARR Y LEASE	ICH0 16	STONE	22-12-2010	21-12-2020	4.000	SALE	SEMI MECHANIZED	SUNIT MALVIYA S/O SHIRI SURESH MALVIYA	9179904418	manviya.1@gmail. com	BAAMLA DAD	BAAMLA DAD	125/87.1 26/87	A = 23 02 50.78 N 77 16 57.72 E B = 23 02 50.30 N 77 17 03.55 E C = 23 02 56.83 N 77 17 04.51 E D = 23 02 57.22 N 77 16 57.27 E	RENEWAL
17	QUARR Y LEASE	ICH0 17	STONE	19-05-2017	18-07-2027	4.000	SALE	SEMI MECHANIZED	AASHUTOS H TIWARI S/O SHIRI P TIWARI	9893048958	ashutoshtiwari98 930@gmail.com	BAAMLA DAD	BAAMLA DAD	89 / 1	A = 23 03 02.12 N 77 17 07.82 E B = 23 03 05.20 N 77 17 07.31 E C = 23 03 05.48 N 77 17 18.76 E D = 23 03 02.32 N 77 17 18.57 E	-
18	QUARR Y LEASE	ICH0 18	STONE	30-11-2010	29-11-2020	3.959	SALE	SEMI MECHANIZED	M/S EARTH STONE CRUSER	8109208200	earthstones6@e mail.com	BAAMLA DAD	BAAMLA DAD	88/1	A = 23 02 50.29 N 77 17 00.23 E B = 23 02 50.15 N 77 17 05.49 E C = 23 03 00.07 N 77 17 05.32 E D = 23 03 00.09 N 77 17 00.79 E	RENEWAL

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19	QUARRY LEASE	STONE	11-07-2016	04-05-2020	2.000	SEMI MECHANIZED	BEHARAJY K RAMGAR S/O SHRI TRILOK CHAND NAGAR	927270281	pnagar18@gmail.com	RAMGAR H	RAMGAR H	RAMGAR H	94	A = 23 00 05.85 N 77 10 52.59 E B = 23 00 06.08 N 77 10 55.45 E C = 22 59 57.28 N 77 10 59.48 E D = 22 59 57.07 N 77 10 52.02 E	SEMI
20	QUARRY LEASE	STONE	11-07-2016	30-06-2024	1.000	SEMI MECHANIZED	TANUJ PRASAD VERMA S/O SHRI GANGARA	-	-	RAMGAR H	RAMGAR H	RAMGAR H	94	A = 22 59 58.59 N 77 10 37.08 E B = 23 00 02.52 N 77 10 40.70 E C = 23 00 03.50 N 77 10 44.99 E D = 22 59 56.53 N 77 10 44.83 E	SEMI
21	QUARRY LEASE	STONE	30-06-2018	29-06-2028	4.000	SALE	SHUBHASH SHARMA S/O SHRI HARIRAM SHARMA	-	-	RAMGAR H	RAMGAR H	RAMGAR H	94	A = 22 59 58.59 N 77 10 37.08 E B = 23 00 02.52 N 77 10 40.70 E C = 23 00 03.50 N 77 10 44.99 E D = 22 59 56.53 N 77 10 44.83 E	SEMI
22	QUARRY LEASE	STONE	12-09-2018	11-09-2028	4.000	SALE	SANIY PARASAR S/O SHRI RAJNARAYAN PARASAR	-	-	RAMGAR H	RAMGAR H	RAMGAR H	94	A = 22 59 58.59 N 77 10 37.08 E B = 23 00 02.52 N 77 10 40.70 E C = 23 00 03.50 N 77 10 44.99 E D = 22 59 56.53 N 77 10 44.83 E	SEMI
23	QUARRY LEASE	STONE	16-08-2013	15-08-2023	1.000	SALE	SUNIL AHUJA S/O SHRI NARAYAN DAS AHUJA	9229240384	sunilahuja2864@gmail.com	SIRADI	SIRADI	SIRADI	189/4,18 9/5	A = 22 59 58.59 N 77 03 10.27 E B = 22 59 54.15 N 77 03 17.30 E C = 22 59 58.55 N 77 03 20.77 E D = 23 00 05.58 N 77 03 13.78 E	SEMI
24	QUARRY LEASE	STONE	26-06-2013	24-06-2013	1.000	SALE	ZEBWAN SINGH S/O SHRI PARVEEN SINGH	9228728737	jeevsingh90@gmail.com	PANGCA	PANGCA	PANGCA	94	A = 22 59 58.59 N 77 03 10.27 E B = 22 59 54.15 N 77 03 17.30 E C = 22 59 58.55 N 77 03 20.77 E D = 23 00 05.58 N 77 03 13.78 E	SEMI

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25	QUARR Y LEASE	ICHQ 25	STONE	19-08-2013	18-08-2023	2,000	SALE	SEMI MECHANIZED	SHILENDRA TIWARI S/O SHRI HEMANT PRASAD TIWARI	E717818285	sheilendra.tiwari5 9@gmail.com	RAMGAR H	RAMGAR H	103.97/1	A = 23 59 46.94 N 77 10 37.31 E B = 23 59 47.50 N 77 10 39.57 E C = 23 59 49.69 N 77 10 38.88 E D = 23 59 50.28 N 77 10 37.24 E E = 23 59 48.24 N 77 10 36.95 E
26	QUARR Y LEASE	ICHQ 26	STONE	23-06-2020	22-06-2030	1,000	SALE	SEMI MECHANIZED	MANISH CHANDRAV ANSHI S/O SHRI VIKENDRA SINGH CHANDRAV ANSHI	8821934188	-	CHAPRIM IVAN	CHAPRIM IVAN	14/2, 15/2	A = 22 58 41.30 N 76 57 53.34 E B = 22 58 39.82 N 76 57 51.89 E C = 22 58 36.81 N 76 57 54.51 E D = 22 58 37.45 N 76 57 51.91 E
27	QUARR Y LEASE	ICHQ 27	STONE	22-09-2020	21-09-2030	3,800	SALE	SEMI- MECHANIZED	TEJ SINGH THAKUR S/O SHRI CHIN SINGH THAKUR	5669578787	tejsingh0886@gmail.com	BHADAK HEDI	BHADAK HEDI	160/1	A = 23 07 57.46 N 76 55 55.85 E B = 23 07 57.80 N 76 55 58.60 E C = 23 07 58.31 N 76 55 58.51 E D = 23 08 00.77 N 76 56 03.54 E E = 23 07 58.62 N 76 56 04.40 E F = 23 07 50.92 N 76 55 59.38 E G = 23 07 51.71 N 76 55 57.83 E <u>RENEWAL</u>
28	QUARR Y LEASE	ICHQ 28	STONE	PRICIPLE APPROVAL		2,000	SALE	SEMI- MECHANIZED	HEMLATA KOTHARI W/O LATE SHRI PRAKASH CHANDRA KOTHARI			BAAMLA DAD	BAAMLA DAD	88/1	

State Level Environment Impact
 Assessment Authority, M.P.
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29	QUARR Y LEASE	CHQ 29	STONE	19-05-2021	18-05-2031	1.182	SALE	SEMI- MECHALIZED	SANJAY PARMAR S/O SHIRI HEMRAJ PARMAR	9526657401	-	NAVALPU RA	NAVALPU RA	49/2	-
30	QUARR Y LEASE	ICHQ 30	STONE	PRICIPLE APPROVAL		2.000	SALE	SEMI- MECHALIZED	PRAKASH VERMA S/O SHIRI MISHRILAL VERMA		-	NAYAPU RA	NAYAPU RA	379/1	-
31	QUARR Y LEASE	ICHQ 31	STONE	30-12-2020	29-12-2030	1.214	SALE	SEMI- MECHALIZED	DEEP SINGH SONGARA S/O SHIRI MAKMAN SINGH	7959757313	-	SATPICAL IA	SATPICAL IA	97/1/1/D A/0001	-
32	QUARR Y LEASE	ICHQ 32	STONE	PRICIPLE APPROVAL		2.000	SALE	SEMI- MECHALIZED	SOURABH SHARMA		-	BAAMILA DAD	BAAMILA DAD	88/1	-
33	QUARR Y LEASE	ICHQ 33	STONE	PRICIPLE APPROVAL		3.300	SALE	SEMI- MECHALIZED	M/S UTKARSH NATURALS	9893574008	-	BAAMILA DAD	BAAMILA DAD	89/2	-
34	QUARR Y LEASE	ICHQ 34	STONE	PRICIPLE APPROVAL		1.000	SALE	SEMI- MECHALIZED	PANKAJ NAGAR S/O SHIRI BHAGIRAT H NAGAR	7592080509	-	BORDIKA LAN	BORDIKA LAN	356/3/1	-
35	QUARR Y LEASE	CHQ 35	STONE	PRICIPLE APPROVAL		2.000	SALE	SEMI- MECHALIZED	BHOOPEN DRA SINGH SISODIA S/O SHIRI BARADUR SINGH SISODIA	9200286758	-	RAMNAG AR	RAMNAG AR	345	-
36	QUARR Y LEASE	ICHQ 36	STONE	26-08-2020	25-08-2025	1.000	SALE	SEMI- MECHALIZED	JEEWAN SINGH VERMA S/O SHIRI NARAYAN SINGH	9229878737	Jeevansinghverma 85@gmail.com	PANGRA KHANDI	PANGRA KHANDI	2373/KA/ 1/1	RENEWAL

State Level Environment Impact
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37	QUARRY LEASE	ICHG 37	STONE	PRINCIPLE APPROVAL	1.000	SALE	SEMI MECHANIZED	SUSEELA NAGAR W/O SHIRI BHAGIRATH H NAGAR	7692080549	PHANGIY A	PHANGIY A	3/6/72	-
38	QUARRY LEASE	ICHG 38	STONE	PRINCIPLE APPROVAL	3.765	SALE	SEMI MECHANIZED	M/S YOGESH MINERALS PRD PRATEEK MINERAL	-	BAAMLA DAD	BAAMLA DAD	130/105	-
TOTAL APPROVED MINES & TOTAL AREA		32	TOTAL		82.149								
		0	QUARRY		0.000								
		32	STONE		82.149								

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S. NO.	MINE TYPE	MINE CODE	MINER AL	LEASE PERIOD FROM	LEASE PERIOD TO	LEASE AREA (IN HEC)	END USE	METHOD OF MINE	NAME OF LEASEE	CONTACT NO.	EMAIL ID	GRAM PANCHAYAT	VILLAGE	KHASKI A NO.	LATITUDE DEGREE/MINUTE/SECOND	LONGITUDE DEGREE/MINUTE/SECOND	CURRENT STATUS
1	QUARRY LEASE	SHYMO 01	STONE	21-03-2016	20-03-2026	2.000	SALE	SEMI MECHANIZED	CHAITAN CHAUHAN S/O SHRI ARVIND CHAUHAN	9893829629	chelan629@gmail.com	BORAPA	MITUKHE DI	64/1	A = 23 22 23.56 N 77 05 12.54 E B = 23 22 23.35 N 77 05 17.35 E C = 23 22 21.41 N 77 05 17.04 E D = 23 22 21.85 N 77 05 12.06 E		-
2	QUARRY LEASE	SHYMO 02	STONE	11-04-2017	10-04-2027	2.028	SALE	SEMI MECHANIZED	NARBADA PRASAAD S/O SHRI BADRIPRASAD	89598558027	knashikar@gmail.com	MOTPUR A	MOTPUR A	72/2	A = 23 34 03.10 N 77 11 12.23 E B = 23 34 04.61 N 77 11 17.48 E C = 23 34 06.70 N 77 11 11.50 E D = 23 34 05.46 N 77 11 11.50 E		-
3	QUARRY LEASE	SHYMO 03	STONE	24-01-2018	23-01-2028	2.000	SALE	SEMI MECHANIZED	RAGHUNATH SHIRI S/O SHRI KISHAN	9693383062	raghuvshir@gmail.com	KHAIKHE DA	KHAIKHE DA	59-4	A = 23 25 58.40 N 77 13 01.17 E B = 23 25 58.09 N 77 12 58.72 E C = 23 25 58.58 N 77 12 56.78 E D = 23 25 59.66 N 77 12 50.80 E E = 23 25 59.57 N 77 12 51.42 E F = 23 25 03.32 N 77 12 52.33 E G = 23 26 05.30 N 77 12 52.34 E H = 23 25 06.22 N 77 12 52.50 E I = 23 26 01.50 N 77 12 59.08 E		-
4	QUARRY LEASE	SHYMO 04	STONE	02-09-2017	01-03-2027	3.630	SALE	SEMI MECHANIZED	JAFAR MOHMMAND S/O SHRI ALGAR MOHMMAND			TAKIYA	TAKIYA	S, 5/1.16 4/2			-

(G.P.O.) Bhopal
 1. P. No. 100/100/100/100/100/100
 2. P. No. 100/100/100/100/100/100
 3. P. No. 100/100/100/100/100/100
 4. P. No. 100/100/100/100/100/100
 5. P. No. 100/100/100/100/100/100
 6. P. No. 100/100/100/100/100/100
 7. P. No. 100/100/100/100/100/100
 8. P. No. 100/100/100/100/100/100
 9. P. No. 100/100/100/100/100/100
 10. P. No. 100/100/100/100/100/100

5	QUARR Y LEASE	SHYMO 05	ROAD J.M.	20-11-2013	10-11-2023	2.105	SALE	SEMI MECHANIZED	SOVID BAGCHI/S/O SHRIL MEHTA/GAS	9993358050	hiteshwadhya5@gmail.com	SATPON	SATPON	804/A/ 7	A = 23 15 57.76 N 77 06 42.27 E B = 23 15 58.77 N 77 06 52.00 E C = 23 16 02.45 N 77 06 51.75 E D = 23 16 00.72 N 77 06 46.11 E A = 23 22 23.51 N 77 13 42.91 E B = 23 22 26.94 N 77 13 46.00 E C = 23 22 32.05 N 77 13 34.85 E D = 23 22 29.50 N 77 13 39.55 E
6	QUARR Y LEASE	SHYMO 06	STONE	18-05-2017	17-05-2027	3.596	SALE	SEMI MECHANIZED	HITESH BAADHYA S/O SHRI SUSHIL BAADHYA	9425826394	VISHWAKARMAPR ADEEP5222@GM AIL.COM	MOHME DA	SATPON	70 / 2 / 1	A = 23 23 33.54 N 77 11 05.89 E B = 23 23 05.02 N 77 11 09.50 E C = 23 22 52.55 N 77 11 12.44 E D = 23 23 02.78 N 77 11 13.21 E E = 23 23 01.54 N 77 11 12.89 E F = 23 21 59.23 W 77 11 12.89 E G = 23 23 03.55 N 77 11 09.42 E H = 23 23 00.78 N 77 11 09.02 E
8	QUARR Y LEASE	SHYMO 08	STONE	28-05-2014	27-05-2024	4.000	SALE	SEMI MECHANIZED	BHOOPENDRIA SINGH S/O SHRI NARENDRA SINGH	7000037937	singhsahibhupinder@gmail.com	CHAUKI	CHAUKI	3/2	A = 23 25 34.88 N 77 11 42.90 E B = 23 25 38.89 N 77 11 50.62 E C = 23 25 45.10 N 77 11 50.71 E D = 23 25 45.20 N 77 11 41.93 E
9	QUARR Y LEASE	SHYMO 09	STONE	28-05-2014	27-05-2024	4.000	SALE	SEMI MECHANIZED	MOH. SAUD S/O SHRI SYED IQBAL			CHAUKI	CHAUKI	3/2	A = 23 25 33.50 N 77 11 37.01 E B = 23 25 33.49 N 77 11 39.04 E C = 23 25 39.94 N 77 11 47.25 E D = 23 25 41.35 N 77 11 37.15 E

(Handwritten Signature)
Suryakant Singh
Manager, Impact Assessment Authority (M.P.A.A.)
Paryavaran Parisar, Arera Colony, Bhopal (M.P.)
Date: 10/08/2024

10	QUARR Y LEASE	SHYMO 11	STONE	28-05-2014	27-05-2024	4.000	SALE	SEMI MECHANIZED	AKSHAY RAGHUVANSH S/O SHRI N P RAGHUVANSH	9503107319	skgishibtipind er@gmail.com	CHAUKI	CHAUKI	3/2	A = 23 25 41.05 N 77 11 36.74 E B = 23 25 40.93 N 77 11 41.41 E C = 23 25 44.50 N 77 11 41.60 E D = 23 25 44.72 N 77 11 29.85 E
11	QUARR Y LEASE	SHYMO 11	STONE	28-05-2014	27-05-2024	4.000	SALE	SEMI MECHANIZED	SHREE NATH INFRASTRUCTU RE	-	-	CHAUKI	CHAUKI	3/2	A = 23 25 39.14 N 77 11 38.95 E B = 23 25 31.26 N 77 11 45.16 E C = 23 25 37.74 N 77 11 49.04 E D = 23 25 38.13 N 77 11 40.74 E
12	QUARR Y LEASE	SHYMO 12	STONE	19-12-2017	18-12-2027	1.681	SALE	SEMI MECHANIZED	DIVYA SHUKLA W/O SHRI ARUN KUMAR SHUKLA	7389900775	aru-dsc35@yaho o.com	KATPON	KATPON	144/14 5/5,14 4,145/ 3,254, 147/14 7/4	A = 23 24 30.00 N 77 15 08.02 E B = 23 24 29.04 N 77 15 04.08 E C = 23 24 27.08 N 77 15 05.05 E D = 23 24 27.05 N 77 15 06.09 E E = 23 24 24.05 N 77 15 07.07 E F = 23 24 22.07 N 77 15 07.06 E G = 23 24 23.06 N 77 15 10.05 E H = 23 24 26.09 N 77 15 09.06 E
13	QUARR Y LEASE	SHYMO 13	STONE	28-05-2014	27-05-2024	3.600	SALE	SEMI MECHANIZED	MANISH PANDEY S/O SHRI SADRAV PANDEY	-	-	BARKHED A KHARET	BARKHED A KHARET	112/1	A = 23 25 32.77 N 77 11 48.52 E B = 23 25 33.39 N 77 11 55.32 E C = 23 25 38.42 N 77 11 51.13 E D = 23 25 37.00 N 77 11 48.78 E

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14	QUARRY LEASE	SHYAM 14	STONE	08-09-2014	07-09-2024	4.000	SALE	SEMI MECHANIZED	RAWLEEN KAUR W/O SHRI BHOPENDRA KAUR	-	-	BARKHED A KHARET	BARKHED A KHARET	112/1	-	A = 23 25 32.77 N 77 11 43.87 E B = 23 25 32.12 N 77 11 47.82 E C = 23 25 31.12 N 77 11 46.89 E D = 23 25 25.90 N 77 11 46.39 E E = 23 25 25.99 N 77 11 44.76 E
14	QUARRY LEASE	SHYAM 14	MIXED	21-04-2015	20-04-2025	1.000	SALE	SEMI MECHANIZED	ANKA W/SHRI S/O SHRI CHANGSHYAM MEENA	9893803656	anilmeena1366@srnl.com	GRATTA	GRATTA	322/1	-	A = 23 26 08.87 N 77 02 37.13 E B = 23 26 12.12 N 77 02 37.13 E C = 23 26 15.91 N 77 02 36.96 E D = 23 26 15.91 N 77 02 36.96 E E = 23 26 16.26 N 77 02 35.95 E F = 23 26 11.63 N 77 02 31.24 E
14	QUARRY LEASE	SHYAM 14	MIXED	21-04-2017	30-04-2027	3.000	SALE	SEMI MECHANIZED	ANKA W/SHRI S/O SHRI CHANGSHYAM MEENA	9893803656	anilmeena1366@srnl.com	BERAGAR H KHILAN	BERAGAR H KHILAN	121/4	-	A = 23 26 06.87 N 77 02 35.67 E B = 23 26 11.12 N 77 02 37.13 E C = 23 26 15.91 N 77 02 36.90 E D = 23 26 16.26 N 77 02 35.95 E E = 23 26 11.63 N 77 02 31.24 E

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State Level Environment Impact Assessment Authority, M.P.
(EPCO)
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17	QUARR Y LEASE	SHYMO 17	MURR UM	12-12-2019	11-12-2029	1.400	SALE	SEMI MECHANIZED	RUPESH NAIR S/O SHIRI B RAJENDRAN NAIR	5977773944	subhash.goldeninf ra@gmail.com	JHARKHE DA	JHARKHE DA	682/40 .682/4 1,682/ 42	A = 23 22 59.31 N 77 11 44.34 E B = 23 22 56.76 N 77 11 45.71 E C = 23 22 57.58 N 77 11 48.69 E D = 23 22 56.28 W 77 11 51.48 E E = 23 22 55.48 N 77 11 53.33 E F = 23 22 53.69 N 77 11 53.50 E G = 23 22 54.27 N 77 11 52.02 E H = 23 22 55.07 N 77 11 50.19 E I = 23 22 58.17 N 77 11 47.71 E J = 23 22 56.64 N 77 11 46.01 E K = 23 22 56.89 N 77 11 44.56 E L = 23 22 56.83 N 77 11 44.08 E
18	QUARR Y LEASE	SHYMO 18	STONE	13-06-2018	12-06-2028	2.000	SALE	SEMI MECHANIZED	DIVYA SHUKLA W/O SHIRI ARUN KUMAR SHUKLA	7389900775	BLINDS39@vsnl in.com	KATPON	KATPON	43.5	A = 23 24 43.82 N 77 14 42.49 E B = 23 24 47.64 N 77 14 47.25 E C = 23 24 49.99 N 77 14 45.50 E D = 23 24 49.61 N 77 14 43.22 E E = 23 24 47.46 N 77 14 40.72 E
19	QUARR Y LEASE	SHYMO 19	STONE	28-05-2010	29-05-2020	0.874	SALE	SEMI MECHANIZED	BRJESH GOUE S/O SHIRI BHADRATH GOUE	9815874127	mukeshgoi32@ gmail.com	KALPMRI YA	KALPMRI YA	137/1	RENEWA L
20	QUARR Y LEASE	SHYMO 20	STONE	27-10-2014	26-10-2024	2.000	SALE	SEMI MECHANIZED	PRADEEP PRASAD SAXENA S/O SHIRI MADANLAL SAXENA	-	-	BERKHED A	BERKHED A	38/1	RENEWA L

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21	QUARRY LEASE	SHYMO 21	STONE	PRICIPLE APPROVAL	1.214	SALE	SEMI MECHANIZED	KARENDRA KUMAR PATIDAR S/O SHIRI SIDHNATH PATIDAR	9575871111	swastiksmarti1980@gmail.com	KATPONE	KATPONE	43/5	-
22	QUARRY LEASE	SHYMO 22	STONE	-	1.000	SALE	SEMI MECHANIZED	KAMBERKA KUMAR PATIDAR S/O SHIRI SHIRNA EN PATIDAR	9575871111	swastiksmarti1980@gmail.com	BERNHEDE	BERNHEDE	VE	NO TAKE
23	QUARRY LEASE	SHYMO 23	STONE	PRICIPLE APPROVAL	1.000	SALE	SEMI MECHANIZED	SHYAM SINGH JAATS/O SHIRI BHAGWAN SINGH JAAT	7245028738 9755028738	-	PADYALA	PADYALA	6B	-
24	QUARRY LEASE	SHYMO 24	STONE	PRICIPLE APPROVAL	7.000	SALE	SEMI MECHANIZED	MUKHARI SHARMA S/O SHIRI S C SHARMA	-	-	KATPONE	KATPONE	242/23 9	-
25	QUARRY LEASE	SHYMO 25	STONE	14-02-2020 PRICIPLE APPROVAL	1.000	SALE	SEMI MECHANIZED	MUKESH GOUR S/O SHIRI RAMGOPAL GOUR	9826871427	mukeshgour19361@gmail.com	KACHNA RIYA	KACHNA RIYA	137/1/ 1, 547/13 7	-
26	QUARRY LEASE	SHYMO 26	STONE	PRICIPLE APPROVAL	2.000	SALE	SEMI MECHANIZED	ALEM SINGH DAANGI S/O SHIRI BAPU SINGH DANGI	7697342121	-	KHARKHE DA	KHARKHE DA	584/1/ 2	-
27	QUARRY LEASE	SHYMO 27	STONE	PRICIPLE APPROVAL	2.000	SALE	SEMI MECHANIZED	ALEM SINGH DAANGI S/O SHIRI BAPU SINGH DANGI	7697342121	-	K-ARKHE DA	K-ARKHE DA	584/1/ 7	A = 23 27 22.85 N 77 16 46.84 E B = 23 27 22.77 N 77 16 49.69 E C = 23 07 16.46 N 77 18 49.68 E D = 23 27 16.46 N 77 10 45.40 E
28	QUARRY LEASE	SHYMO 28	MICRE UM	PRICIPLE APPROVAL	2.000	SALE	SEMI MECHANIZED	MUKHAR SHARMA S/O SHIRI SHIRNA EN PATIDAR	7625538331	VISHWAKARMAPR ADEEP5222@GMAIL.COM	MORCHE DA	MORCHE DA	697/1/ 1	-

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State Level Environmental Impact Assessment Authority, M.P.
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29	QUARRY LEASE	SHYMO 29	STONE	PRINCIPLE APPROVAL	4.000	SALE	SEMI MECHANIZED	MANNU BAI W/O SHIRI RAJENDRA PRAJAPATI	-	KHAIKHE DA	KHAIKHE DA	694	-
30	QUARRY LEASE	SHYMO 30	STONE	PRINCIPLE APPROVAL	4.000	SALE	SEMI MECHANIZED	HITENDRA SINGH S/O SHIRI PREMNARAYA N	-	KHAIKHE DA	KHAIKHE DA	594	-
TOTAL APPROVED MINES & TOTAL AREA		28	TOTAL		74.544								
		6	SHYMO		11.000								
		22	STONE		62.544								

State Level Environment Impact
 Assessment Authority, M.P.
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S. NO.	MINE TYPE	MINE CODE	MINERAL	LEASE PERIOD FRM	LEASE PERIOD TO	LEASE AREA (IN HEC.)	END USE	METHOD OF MINE	NAME OF LEASEE	CONTACT NO.	EMAIL ID	GRAM PANCH AYAT	VILLAGE	KHA SPA NO.	LATITUDE / LONGITUDE DEGREE/MINUTE/SECON	CURRENT STATUS
1	QUARRY LEASE	REH001	STONE	03-10-2016	02-09-2021	2.000	SALE	SEMI MECHANIZED	DESAJ KUMAR MANSAR S/O SHRI LALITA PRASAD MANSAR	9003065900	verketbarkur@gmail.com		SHIBDI		A = 22 48 21.70 N 77 30 01.58 E B = 22 48 20.14 N 77 30 05.06 E C = 22 48 14.47 N 77 30 04.62 E D = 22 48 15.47 N 77 30 00.09 E	RENEWAL (0)
2	QUARRY LEASE	REH002	STONE	24-08-2013	23-08-2023	2.429	SALE	SEMI MECHANIZED	DWARKA PRASAAD S/O SHRI CHUNNILAL	9088902090	srjajput0890@gmail.com	BARGH A	BARGHA	90/2	A = 22 49 14.70 N 77 25 27.10 E B = 22 49 13.50 N 77 25 32.80 E C = 22 49 30.60 N 77 25 32.80 E D = 22 49 20.00 N 77 25 27.70 E	-
3	QUARRY LEASE	REH003	STONE	13-11-2017	12-11-2027	2.000	SALE	SEMI MECHANIZED	MANISH RAJPUT S/O SHRI LARMAN RAJPOOT	9893477474	psrajput1515@gmail.com	BHADK UL	BHADKUL	28/3	A = 22 47 53.93 N 77 26 56.88 E B = 22 47 52.89 N 77 27 02.61 E C = 22 47 57.30 N 77 27 03.10 E D = 22 47 57.68 N 77 26 58.00 E	-
4	QUARRY LEASE	REH004	STONE	03-03-2018	02-03-2028	1.618	SALE	SEMI MECHANIZED	RAJESH NAGAR S/O SHRI MAKHAN SINGH	9425019306	rajeshnagar08@yahoo.com	NAREL A	NARELA	S/ZK A	A = 22 49 21.26 N 77 23 36.48 E B = 22 49 17.73 N 77 23 36.06 E C = 22 49 17.94 N 77 23 31.56 E D = 22 49 20.00 N 77 23 31.05 E E = 22 49 21.77 N 77 23 31.14 E	-

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6	QUARR Y LEASE	REH006	STONE	12-09-2014	11-09-2024	1.800	SALE	SEMI MECHANIZED	PUSHPENDR A SINGH RAJPUT S/O SHRI BALBART SINGH	9829955588	9829955588@gmail.com	BHADK UL	BHADKUL 37/1	A = 22 48 00.70 N 77 27 05.05 E B = 22 47 58.79 N 77 27 03.67 E C = 22 47 58.21 N 77 27 05.92 E D = 22 47 56.86 N 77 27 05.49 E E = 22 47 56.13 N 77 27 10.95 E F = 22 47 57.82 N 77 27 12.08 E
6	QUARR Y LEASE	REH006	STONE	12-09-2014	11-09-2024	1.800	SALE	SEMI MECHANIZED	LAXMAN SINGH RAJPOOT S/O SHRI (BIRAT SINGH RAJPOOT	9893477474	rsrajput1515@gmail.c om	SEMRI	SEMRI 87/8 8.89/ A	A = 22 48 54.76 N 77 30 14.94 E B = 22 48 5.65 N 77 30 16.87 E C = 22 48 54.49 N 77 30 17.02 E D = 22 48 54.32 N 77 30 16.64 E E = 22 48 54.07 N 77 30 16.07 E F = 22 48 53.84 N 77 30 15.03 E
7	QUARR Y LEASE	REH007	STONE	28-02-2014	27-02-2024	2.000	SALE	SEMI MECHANIZED	MANOJ CHAUHAN S/O SHRI KAILASH CHAUHAN	9039553382	manojchayam06@gma il.com	RAMP URA CHAKA LDI	RAMPUR A CHAKALD /1	A = 22 48 31.55 N 77 22 35.06 E B = 22 48 31.51 N 77 22 38.34 E C = 22 48 31.44 N 77 22 41.16 E D = 22 48 29.10 N 77 22 41.19 E E = 22 48 29.24 N 77 22 35.07 E
8	QUARR Y LEASE	REH008	STONE	11-08-2016	10-08-2025	2.420	SALE	SEMI MECHANIZED	KHURRAM PATEL S/O SHRI MAHAR UL HAQ	9827264994	kpate120870@gmail.c om	RAMP URA CHAKA LDI	RAMPUR A CHAKALD /1	A = 22 48 13.71 N 77 22 33.11 E B = 22 48 19.33 N 77 22 33.31 E C = 22 48 19.10 N 77 22 38.50 E D = 22 48 13.50 N 77 22 38.06 E

State Level Environment Impact Assessment Authority, M.P.
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State Level Environment Impact
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9	QUARR Y LEASE	REH009	STONE	23-05-2014	22-03-2024	2.000	SALE	SEMI MECHANIZED	RAHUL MALVIYA S/O SHRI JUGAL KISHORE	9630088436	rahulmfr64@gmail.com	RAMP URA CHAKA LDI	RAMPUR A CHAKALD I	54/1 /1	A = 77 22 32.69 E 22 48 23.89 N B = 77 22 35.96 E 22 48 23.65 N C = 77 22 36.56 E 22 48 26.59 N D = 77 22 33.71 E 22 48 26.89 N
10	QUARR Y LEASE	REH010	STONE	28-09-2016	27-09-2026	2.630	SALE	SEMI MECHANIZED	ARJUN SHARMA S/O SHRI VINOD SHARMA	9425138438	nkkky581@gmail.com	RAMP URA CHAKA LDI	RAMPUR A CHAKALD I	53/1 /1	A = 22 48 18.73 N 77 22 31.07 E B = 22 48 19.96 N 77 22 38.84 E C = 22 48 23.54 N 77 22 36.53 E D = 22 48 22.31 N 77 22 30.31 E
11	QUARR Y LEASE	REH011	STONE	21-02-2014	25-02-2024	1.620	SALE	SEMI MECHANIZED	VISWANATH KHANDELWA L S/O SHRI GULAABCHA ND	9039110005	khandelwal.tushartree@gmail.com	NAREL A	NARELA	20	A = 22 48 54.74 N 77 23 34.84 E B = 22 48 53.18 N 77 23 37.29 E C = 22 48 52.57 N 77 23 37.57 E D = 22 48 48.76 N 77 23 33.54 E E = 22 48 48.30 N 77 23 31.52 E F = 22 48 47.94 N 77 23 29.32 E
	QUARR Y LEASE	REH012	STONE	20-05-2021	15-05-2021	1.185	SALE	SEMI MECHANIZED	SNEHATA SNEHATA S/O SHRI CHAND AKSHAN	860870018	snehatababbar1354@gmail.com	SNEHATA	SNEHATA	00	A = 22 48 34.78 N 77 23 55.62 E B = 22 48 34.68 N 77 23 57.16 E C = 22 48 37.07 N 77 23 52.23 E D = 22 48 37.19 N 77 23 58.84 E E = 22 48 38.70 N 77 23 55.31 E F = 22 48 34.08 N 77 23 53.37 E

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

State Level Environmental
 Assessment Authority, M.P.
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13	QUARRY LEASE	REH013	STONE	06-03-2017	05-03-2027	0.809	SALE	SEMI MECHANIZED	MR. MOH. HAARUN S/O SHRI. MOH. YUSUF			BORI	BORI	76/8	A = 22 47 15.07 N 77 28 52.02 E B = 22 47 16.03 N 77 28 48.00 E C = 22 47 14.01 N 77 28 47.09 E D = 22 47 13.08 N 77 28 52.01 E	-
14	QUARRY LEASE	REH014	MULAPUR	26-06-2018	15-05-2028	2.000	SALE	SEMI MECHANIZED	BABA STONE CRUISHER	9423578019	ompchandra@gmail.com	RAMP URA CHAKA LDI	RAMPUR A CHAKALD	55/1 /1	A = 22 48 27.51 N 77 22 12.11 E B = 22 48 27.09 N 77 22 12.12 E C = 22 48 28.00 N 77 22 12.11 E D = 22 48 28.01 N 77 22 12.11 E	-
15	QUARRY LEASE	REH015	STONE	11-06-2018	15-06-2028	1.028	SALE	SEMI MECHANIZED	BABA STONE CRUISHER	9425676019	ompchandra@gmail.com	RAMP URA CHAKA LDI	RAMPUR A CHAKALD	55/1 /2	A = 22 48 19.18 N 77 22 39.48 E B = 22 48 22.43 N 77 22 42.44 E C = 22 48 28.16 N 77 22 42.52 E D = 22 48 28.03 N 77 22 40.11 E	-
16	QUARRY LEASE	REH016	STONE	18-02-2010	17-02-2020	3.840	SALE	SEMI MECHANIZED	NEELJAIN S/O SHRI BULAY JAIN	9752022226	neeljain@ipbhopal.com	BUNGRI	BHONGRI	89/6	A = 22 67 51.48 N 77 24 50.37 E B = 22 47 56.56 N 77 25 53.39 E C = 22 48 01.58 N 77 25 53.47 E D = 22 47 58.11 N 77 25 53.39 E	REH016
17	QUARRY LEASE	REH017	STONE	10-12-2015	09-12-2025	1.000	SALE	SEMI MECHANIZED	ARVIND SINGH RAJPUT S/O SHRI	9827222618	arvindrajput@gmail.com	SEMARI	SEMARI	81/2	A = 22 48 34.70 N 77 29 54.87 E B = 22 48 35.05 N 77 29 57.74 E C = 22 48 40.86 N 77 29 58.17 E D = 22 48 40.78 N 77 29 54.24 E	-

(d/w) Paryavarani Parishad, Paryavarani, Bhopal
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18	QUARRY LEASE	REH018	STONE	18-03-2020	17-03-2030	2.700	SALE	SEMI MECHANIZED	NEELJAIN S/O SHIRI NILAY JAIN	9752022226	neeljain@spibhopal.com	DONGRI	DONGRI	89/6	RENEWAL
19	QUARRY LEASE	REH019	STONE	03-10-2021	02-10-2026	1.500	SALE	SEMI MECHANIZED	KESAV KUMAR MEHAR S/O SHIRI LALITA PRASSAD MEHAR	9425310532	MEHAR@spibhopal.com	SEMIRI	SEMIRI	124/7	RENEWAL
20	QUARRY LEASE	REH020	STONE	14-09-2020	13-09-2030	3.181	SALE	SEMI MECHANIZED	AKSHAT TRADERS PRO. AKSHAT TRADERS	9754753799	-	BHADKUL	BHADKUL	92/1 1/19 2/3/2	-
21	QUARRY LEASE	REH021	STONE	14-09-2020	13-09-2030	2.770	SALE	SEMI MECHANIZED	M/S JYOTI CONSTRUCTION	9826099527	-	BHADKUL	BHADKUL	92/2 KA/9 2/2K HA	-
22	QUARRY LEASE	REH022	STONE	PRICIPLE APPROVAL	3.202	SALE	SEMI MECHANIZED	JITENDRA PAWAR S/C SHIRI NARAYAN SINGH PAWAR	8223069799	-	-	RAMPURA CHAKA LDI	RAMPURA CHAKA LDI	53/1 /1	-

State Level Environmental Impact Assessment Authority, M.P.
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State Level Environmental Impact Assessment Authority, M.P. (EPCO)
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23	QUARR Y LEASE	REH023	STONE	PRICIPLE APPROVAL	1,300	SALE	SEMI MECHANIZED	RAKSHA MALWIYA W/O SHIRI SAINIY MALWIYA	9099553382	-	RAMP URA CHAKA LDI	RAMPUR A CHAKALD /1	54/1 /1	-
24	QUARR Y LEASE	REH024	STONE	PRICIPLE APPROVAL	2,000	SALE	SEMI MECHANIZED	M/S HILWAYS CONSTRUCTI ON	-	-	RAMP URA CHAKA LDI	RAMPUR A CHAKALD /1	43/2 KA.4 3/2G A	-
25	QUARR Y LEASE	REH025	STONE	PRICIPLE APPROVAL	3,000	SALE	SEMI MECHANIZED	S. JRENDRA YADAV S/O SHIRI IMRATLAL YADAV	-	-	RAMP URA CHAKA LDI	RAMPUR A CHAKALD /1	54/1 /1	-
26	QUARR Y LEASE	REH026	STONE	PRICIPLE APPROVAL	1,404	SALE	SEMI MECHANIZED	MOH NOOR S/O MOH. YUSUF	-	-	RAMP URA CHAKA LDI	RAMPUR A CHAKALD /1	54/1 /1	-
27	QUARR Y LEASE	REH027	STONE	PRICIPLE APPROVAL	2,000	SALE	SEMI MECHANIZED	FAMSHWAR YADAV S/O SHIRI IMRATLAL	-	-	SEMRI	SEMRI	31/2	-
28	QUARR Y LEASE	REH028	STONE	15-03-2020 PRICIPLE APPROVAL	1,800	SALE	SEMI MECHANIZED	SHERA STONE CRUSHER	8225007371	-	DONG	DONGRI	112/ 10	-

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29	QUARR Y LEASE	REH029	STONE	22-09-2020	21-09-2030	1.012	SALE	SEMI MECHANIZED	MANOHAR SINGH RAJPUT S/O SHIRI SHANKAR SINGH RAJPUT	9826802893	-	RAMP LURA CHAKA LOI	RAMPUR A CHAKALD I	192/ 7.19 2/8	-
30	QUARR Y LEASE	REH030	STONE	23-09-2020	22-05-2030	1.000	SALE	SEMI MECHANIZED	AMJAD ALI S/O SHIRI AJAZ ALI	9826802893	-	RAMP LURA CHAKA LOI	RAMPUR A CHAKALD I	61/1, 61/2	-
31	QUARR Y LEASE	REH031	STONE	PRICIPLE APPROVAL	1.200	SALE	SEMI MECHANIZED	DHANKOT ENERGY PVT LMT PRO NEERAJ SINGH	7067130548	-	DHANK OT	DHANKO T	68	-	A = 22 41 16.28 N 77 29 34.62 E B = 22 41 16.15 N 77 29 36.05 E C = 22 41 15.72 N 77 29 37.42 E D = 22 41 15.99 N 77 29 39.40 E E = 22 41 14.37 N 77 29 41.27 E F = 22 41 14.21 N 77 29 41.24 E G = 22 41 13.96 N 77 29 39.45 E H = 22 41 13.19 N 77 29 36.85 E I = 22 41 14.29 N 77 29 34.06 E J = 22 41 15.57 N 77 29 34.63 E

(G/P/1) JAWAB KHARAB KHARAB
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32	QUARR Y LEASE	REH032	STONE	PRICIPLE APPROVAL	2.800	SALE	SEMI MECHANIZED	RACHINA CHOUHAN W/O SHIRI MANOI CHOUHAN	903955382	-	RAMPUR URA CHAKA LDI	RAMPUR A CHAKAID I	59/2	-
	TOTAL APPROVED MINES & TOTAL AREA	29	TOTAL	✓	56.223									
		5	NUMBER		2.700									
		24	STONE		54.223									

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State Level Environment Impact Assessment Authority, M.P. (EPCO)
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S. N. O.	MINE TYPE	MINE CODE	MINERAL	LEASE PERIOD FROM	LEASE PERIOD TO	LEASE AREA (IN HEC.)	END USE	METH-OF MINE	NAME OF LEASEE	CONTRACT NO.	EMAIL ID	GRAM PANCHAYAT	VILLAGE	KHA SRA NO.	LATITUDE / LONGITUDE DEGREE/MINUTE/SECOND	CURRENT STATUS
1	QUARRY LEASE	NAS00	STONE	31-12-2018	30-12-2028	1.214	SALE	SEMI MECHANIZED	LAAL SINGH S/O SHIRI BHAVAR SINGH	967290272	ankeshthakur72@gmail.com	HATHIGH AT	HATHIGH AT	289/2/1	A = 22 45 03.54 N 77 18 43.86 E B = 22 45 02.40 N 77 18 47.64 E C = 22 45 00.00 N 77 18 47.28 E D = 22 44 59.04 N 77 18 43.68 E	-
2	QUARRY LEASE	NAS00	STONE	30-11-2017	29-11-2027	2.000	SALE	SEMI MECHANIZED	ANIL JAIN S/O SHIRI DEENDAYAL JAI	9827238899	govind.rei67@gmail.com	AGRA	AGRA	142/1/1/3	A = 22 41 07.41 N 77 21 23.31 E B = 22 41 07.74 N 77 21 25.48 E C = 22 41 07.18 N 77 21 27.33 E D = 22 40 59.79 N 77 21 29.43 E E = 22 41 00.49 N 77 21 21.87 E F = 22 41 01.17 N 77 21 22.31 E G = 22 41 02.12 N 77 21 22.69 E H = 22 41 04.79 N 77 21 22.80 E I = 22 41 06.05 N 77 21 23.67 E	-
3	QUARRY LEASE	NAS00	STONE	01-12-2015	30-11-2025	2.000	SALE	SEMI MECHANIZED	SAURABH SHARMA S/O SHIRI NARMADA			GOHAN	GOHAN	40	A = 22 45 10.09 N 77 19 47.67 E B = 22 45 12.36 N 77 19 50.09 E C = 22 45 13.22 N 77 19 53.75 E D = 22 45 14.23 N 77 19 54.98 E E = 22 45 13.03 N 77 19 55.68 E F = 22 45 12.32 N 77 19 54.84 E G = 22 45 09.92 N 77 19 52.86 E H = 22 45 06.95 N 77 19 48.13 E	-

GOVERNMENT OF MADHYA PRADESH
 DEPARTMENT OF MINES
 BHOVALI, BHOPAL (M.P.)
 462010

4	QUARR Y LEASE	NASOO 4	STONE	21-12-2018	20-12-2028	1.215	SALE	SEMI MECHANIZED	AMZAD ALI S/O SHIRI AJAZ ALI	9836802893	-	BAABDIK HEDA	BAABDIK HEDA	237	-	A = 22 48 15.43 N 77 16 04.55 E B = 22 48 15.79 N 77 16 09.97 E C = 22 48 12.72 N 77 16 09.50 E D = 22 48 12.14 N 77 16 04.59 E A = 22 48 16.09 N 77 16 14.02 E B = 22 48 14.44 N 77 16 12.59 E C = 22 48 13.59 N 77 16 10.42 E D = 22 48 09.69 N 77 16 13.03 E E = 22 48 09.81 N 77 16 15.27 E F = 22 48 10.55 N 77 16 16.44 E
5	QUARR Y LEASE	NASOO 5	STONE	22-12-2018	21-12-2028	2.000	SALE	SEMI MECHANIZED	RAM VERMA S/O SHIRI SANJAY VERMA	9752219815	ram.verma91@gmail l.com	BAABDIK HEDA	BAABDIK HEDA	259	-	A = 22 41 01.35 N 77 09 33.23 E B = 22 41 02.62 N 77 09 33.50 E C = 22 41 02.30 N 77 09 38.30 E D = 22 41 02.57 N 77 09 38.33 E E = 22 41 02.41 N 77 09 41.67 E F = 22 41 01.09 N 77 09 41.53 E G = 22 41 00.75 N 77 09 37.23 E
6	QUARR Y LEASE	NASOO 6	STONE	25-05-2017	25-05-2027	1.214	SALE	SEMI MECHANIZED	SANJAY SHARMA S/O SHIRI GOPAL SHARMA	9424827277	skstonecrusher77@ gmail.com	GORAKH PUR	GORAKH PUR	121/ 1/1/ 2,12 1/1/ 2/2,1 2,1/2 /2	-	A = 22 41 01.35 N 77 09 33.23 E B = 22 41 02.62 N 77 09 33.50 E C = 22 41 02.30 N 77 09 38.30 E D = 22 41 02.57 N 77 09 38.33 E E = 22 41 02.41 N 77 09 41.67 E F = 22 41 01.09 N 77 09 41.53 E G = 22 41 00.75 N 77 09 37.23 E

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

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

7	QUARRY LEASE	NAS007	STONE	10-02-2020	09-02-2020	1.214	SALE	SEMI MECHANIZED	KAILASH PAWAR S/O SHIRI BHOLARAM PAWAR	9825883195	kcpnwar5@gmail.com	NANDGA ON	NANDGA ON	204/2/1/2/20 2/1/2/20 4/2/2/20 3/2/2	A = 22 41 44.10 N 77 20 06.06 E B = 22 41 44.21 N 77 20 07.04 E C = 22 41 44.63 N 77 20 08.08 E D = 22 41 41.89 N 77 20 00.61 E E = 22 41 39.99 N 77 20 09.72 E F = 22 41 39.61 N 77 20 10.28 E G = 22 41 38.88 N 77 20 06.73 E H = 22 41 38.48 N 77 20 09.00 E I = 22 41 40.24 N 77 20 06.60 E J = 22 41 41.37 N 77 20 06.30 E K = 22 41 42.18 N 77 20 06.03 E L = 22 41 43.12 N 77 20 05.93 E
8	QUARRY LEASE	NAS008	STONE	10-02-2020	09-02-2020	2.000	SALE	SEMI MECHANIZED	BALAJI STONE CRUSHER PRO. DHIP MAHESHWARI	9220689427	ankmaheshwar0503@gmail.com	AMBAAK DIM	AMBAAK DIM	4,5,6 7/2/1, 4,5,6 7/2/3	A = 22 48 00.11 N 77 11 18.99 E B = 22 47 59.44 N 77 11 23.12 E C = 22 47 54.14 N 77 11 21.73 E D = 22 47 54.74 N 77 11 18.02 E
8	QUARRY LEASE	NAS009	STONE	02-08-2021	01-01-2021	0.208	SALE	SEMI MECHANIZED	DINEEN MAHESHWARI S/O SHIRI PHEMPAKYEN MAHESHWARI	9220689427	ankmaheshwar0503@gmail.com	AMBAAK DIM	AMBAAK DIM	5/2/2 7/2	
8	QUARRY LEASE	NAS010	STONE	PRICIPALE APPROVAL		2.000	SALE	SEMI MECHANIZED	SANJAY YADAV S/O SHIRI RANUSUGAN YADAV			SUAPAA NI	SUAPAA NI	61	

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

Sl. No.	Category	Area (Acres)	Approval Date	Approval Type	Contractor	Contract No.	Contact Email	Contractor Name	Contract Area (HA)	Renewal
1	QUARRY LEASE	2.00	03-02-2010	PRINCIPLE APPROVAL	TRUPATI STONE CRUSER	9993160601	ram.verma01@gmail.com	NANDGA ON	196/ 27AK HA	RENEWAL
2	QUARRY LEASE	1.000	PRINCIPLE APPROVAL	NEERAJ SHARMA S/O SHIRI ISHWAR PRAKASH SHIRMA	-	-	BAABDIK HEDA	52	-	
3	QUARRY LEASE	1.000	PRINCIPLE APPROVAL	RAJESH AGARWAL S/O SHIRI NARAYANDAS	-	-	AMLAH	3/1/ 1KA/ 1, 4/1/ 1KA, 59/1	-	
4	QUARRY LEASE	2.750	PRINCIPLE APPROVAL	SANJAY MALVIYA S/O SHIRI BADAMILAAL MALVIYA	-	-	NIMOTA	1/3/ 1/2	-	
5	QUARRY LEASE	1.000	PRINCIPLE APPROVAL	DHEERENDRA SINGH S/O SHIRI GOVIND SINGH KUSHWAH	-	-	NIMOTA	1/3/ 1/2	-	
6	QUARRY LEASE	2.200	PRINCIPLE APPROVAL	LALIT KUMAR S/O SHIRI KAILASH CHANDRA	-	-	NIMOTA	1/3/ 1/2	-	
7	QUARRY LEASE	1.300	PRINCIPLE APPROVAL	M/S RADHE RADHESTONE CRUSER PRO. VIJAY MAHESHWARI	9220689427	anktmaheshwar05@gmail.com	LACHAUR	38/1 72	-	

A = 22.47 05.32 N
77 16 28.95 E
B = 22.47 05.54 N
77 16 33.78 E
C = 22.47 01.81 N
77 16 31.86 E
D = 22.47 01.97 N
77 16 28.14 E

STATE LEVEL ENVIRONMENTAL ASSESSMENT AUTHORITY, M.P.
(EPCO)
Paryavaran Parisar
E-5, Arera Colony, Bhopal (M.P.)

8	QUARRY LEASE	NAS01 8	STONE	PRICIPIE APPROVAL	4.000	SALE	SEMI MECHANIZED	MUKESH SAINI S/O SHRI	-	LACHAUR	LACHAUR	31/3	-
8	QUARRY LEASE	NAS01 9	STONE	PRICIPIE APPROVAL	2.150	SALE	SEMI MECHANIZED	RAM VERMA S/O SHRI SANJAY VERMA	9993160601 ram.verma91@gmail .com	NIMOTA	NIMOTA	1/3/ 1/2	-
8	QUARRY LEASE	NAS02 0	STONE	PRICIPIE APPROVAL	2.500	SALE	SEMI MECHANIZED	JAYPRAKASH SHARMA S/O SHRI DINESH KUMAR SHARMA	-	NIMOTA	NIMOTA	1/3/ 1/2	-
TOTAL APPROVED MINES & TOTAL AREA		18	TOTAL		34.757								
		17	MINERAL		34.757								
		15	STONE		34.757								

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

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

S. NO.	MINE TYPE	MINE CODE	MINERAL	LEASE PERIOD FROM	LEASE PERIOD TO	LEASE AREA (IN HEC.)	END USE	METHOD OF MINE	NAME OF LEASE	CONTACT NO.	EMAIL ID	GRAM PANCHAYAT	VILLAGE	HAS RA NO.	LATITUDE / LONGITUDE	CURRENT STATUS
1	QUARRY LEASE	80300	STONE	20-02-2018	19-02-2038	1.608	GOVT. WORK	SEMI MECHANIZED	M/S NKC CDS (JV)	8011002828	maheshbharbhwa@gmail.com	KHANDA BARD	KHANDA BARD	32/8	A = 22 47 53.07 N 77 35 38.05 E B = 22 47 54.01 N 77 35 42.02 E C = 22 47 49.02 N 77 35 43.07 E D = 22 47 49.00 N 77 35 38.08 E	-
2	QUARRY LEASE	80300	STONE	20-02-2018	19-02-2038	2.606	GOVT. WORK	SEMI MECHANIZED	NKC PROJECT PVT. LMT	8011002828	maheshbharbhwa@gmail.com	KHANDA BARD	KHANDA BARD	32/8	A = 22 48 00.08 N 77 35 40.00 E B = 22 47 54.03 N 77 35 42.09 E C = 22 47 53.07 N 77 35 38.05 E D = 22 47 55.00 N 77 35 38.02 E E = 22 47 54.05 N 77 35 34.03 E	-
3	QUARRY LEASE	80500	STONE	23-02-2016	22-02-2026	4.000	SALE	SEMI MECHANIZED	VEER SINGH S/O SHIRI MAJBOOT SINGH	9584305754	ajitgajars@gmail.com	JAWAHA RKHEDA	JAWAHA RKHEDA	102, 103	A = 22 53 24.04 N 77 50 43.75 E B = 22 53 24.36 N 77 50 48.25 E C = 22 53 22.59 N 77 50 47.77 E D = 22 53 19.05 N 77 50 43.17 E	-
4	QUARRY LEASE	80000	STONE	22-03-2016	21-03-2026	0.000	SALE	SEMI MECHANIZED	SHIV SINGH CHAUHAN S/O SHRI VEER SINGH CHAUHAN	9765778392	shouhandeepk@gmail.com	DUNGARI A	DUNGARI A	227/ 3, 228/ 1,22 9/1,1 28/S, 229/ 2,29/ 8/50, 229/ 10,2 86/2, 287/ 2	A = 22 53 32.02 N 77 50 29.97 E B = 22 53 32.21 N 77 50 32.53 E C = 22 53 29.02 N 77 50 33.45 E D = 22 53 28.81 N 77 50 31.78 E	-

M.P. STATE LEVEL ENVIRONMENTAL IMPACT ASSESSMENT AUTHORITY (EPCO)
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 E-5, ARERA COLONY, BHOPAL (M.P.)

5	QUARR Y LEASE	BUDOO 5	STONE	20-04-2014	19-04-2024	1.460	SALE	SEMI MECHANIZ ED	MONU YADAV S/O SHRI RAJENDRA YADAV	9306049757	khanshameer75@ mail.com	PANARI	PANARI	149/ 1KH A.14 9/16 A	A = 22 52 59.94 N 77 50 28.10 E B = 22 53 01.39 N 77 50 30.01 E C = 22 53 05.44 N 77 50 27.15 E D = 22 53 03.47 N 77 50 25.04 E A = 22 53 06.33 N 77 49 46.05 E B = 22 53 05.85 N 77 49 51.36 E C = 22 53 04.23 N 77 49 51.90 E D = 22 53 03.52 N 77 49 49.36 E E = 22 53 02.84 N 77 49 49.32 E F = 22 53 02.77 N 77 49 50.10 E G = 22 53 01.92 N 77 49 50.10 E H = 22 53 01.11 N 77 49 46.32 E	-
7	QUARR Y LEASE	BUDOO 7	STONE	30-03-2017	29-03-2027	2.835	SALE	SEMI MECHANIZ ED	POORANCHAD TIWARI S/O SHRI RAMNARESH TIWARI	9827282844	tarbudding@gmail.c om	MAHUKA LAN	MAHUKA LAN	183	A = 22 45 08.90 N 77 39 38.67 E B = 22 45 08.53 N 77 39 46.77 E C = 22 45 12.23 N 77 39 44.49 E D = 22 45 14.52 N 77 39 38.51 E	-

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

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

Licensing Fee received in last three years for Sand Mine lease

Year	Licensing Fee (In Rs.)
2018-19	5,17,85,300.00
2019-20	27,25,00,000.00
2020-21	61,00,95,891.00

Licensing Fee received in last three years for Mineral Mine lease

Year	Minerals	Licensing Fee (In Rs.)
2018-2019	Gitti	2,81,14,959.00
	Murram	29,40,752.00
	Stone	1,75,992.00
	Soil	6,00,000.00
2019-2020	Gitti	5,56,96,372.00
	Murram	2,38,82,750.00
	Stone	-
	Soil	13,50,000.00
2020-2021	Gitti	6,05,57,021.00
	Murram	10,28,68,625.00
	Stone	1,95,00,000.00
	Soil	42,08,000.00

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

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

Details of Sand and Minor Mineral Production in last 3 years

Sand Production in last 3 years

Year	Production (In Cu.Mt)
2018-19	5,17,853
2019-20	17,988
2020-21	16,93,072

Table 8 Minor Mineral Production In last 3 years

Year	Minerals	Production (in Cu.Mt)
2018-2019	Gitti	281149.59
	Murram	58815.04
	Stone	1759.92
	Soil	6000
2019-2020	Gitti	556963.72
	Murram	477655
	Stone	-
	Soil	13500
2020-2021	Gitti	504641.84
	Murram	2057372.5
	Stone	390000
	Soil	84160

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

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

Formation of sand -

Majority of rivers originate from mountains and as they continue their journey with force, through these mountains, the bigger rocks and boulders disintegrate slowly, and over a period of time, starts rolling down as fragments. These fragments become smaller and smaller due to weathering process by water, wind and other rocks. Thus, developed sand particles are transported, washed and stored and again transported during floods and deposited at river.

beds and largely on river shores. In case the sand deposits are mined / removed, cavities are formed in their place and again filled during next cycle(s) of deposition.

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

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

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

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

The specific gravity of an aggregate is considered as the measure of strength or quality of the material. Specific gravity is defined as the ratio of weight of a given volume of aggregate to the weight of equal volume of water. Aggregates having low specific gravity are generally weaker than those with aggregates having high specific gravity. This property helps in a general identification of aggregates. The specific gravity of (sand) is considered to be around

2.65 to 2.67 Sand particles composed of quartz have a specific gravity between 2.65 to 2.67.

While inorganic clays generally range from 2.70 to 2.80. Soils with large amounts of organic matter or porous particles have specific gravity below 2.60 (Some range as low as 2.00).

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

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

Sources of sand -

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

Natural Sources -

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

Following are the natural types of the sand:

- Pit Sand -

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

- River Sand -

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

• **Sea Sand -**

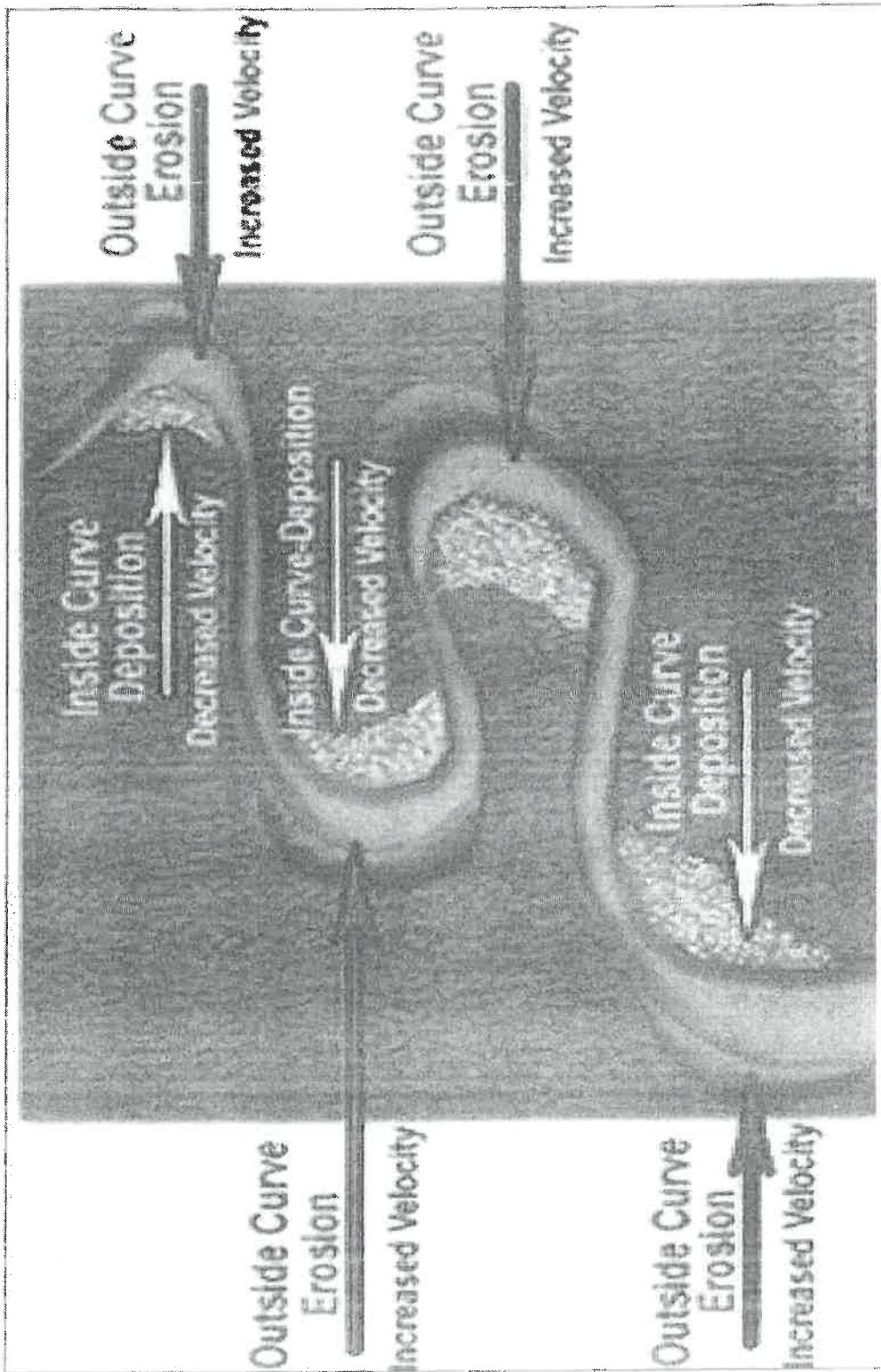
This sand is obtained from sea shores. The sea sand, like river sand, consists of fine rounded grains. The colour of sea sand is light brown. The sea sand contains salts. These salts attract moisture from the atmosphere. Such absorption causes dampness, efflorescence and disintegration of work. The sea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

Manufactured Sand -

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

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


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



Conductive Areas for sand deposition

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

Sand Mining -

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

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

Following considerations shall be kept in mind for sand mining:

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

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

- Sand and gravel could be extracted from the downstream of the sand bar at river bends. Retaining the upstream one to two-thirds of the bar and riparian vegetation is accepted as a method to promote channel stability.
- The flood discharge capacity of the river could be maintained in areas where there is a significant flood hazard to existing structures or infrastructure. Sand and gravel mining may be allowed to maintain the natural flow capacity based on surveyed cross-section history. Alternatively, off-channel or flood plain extraction is recommended to allow rivers to replenish the quantity taken out during mining.
- The Piedmont Zone (Bhabhar area) particularly in the Himalayan foot hills, where riverbed material is mined, and this sandy-gravelly track constitute excellent conduits and hold the greater potential for groundwater recharge. Mining in such areas should be preferred in locations selected away from the channel bank stretches.
- Mining depth should be restricted to 3 meters and distance from the bank should be $\frac{1}{2}$ th of river width and should not be less than 7.5 meters.
- Demarcation of mining area with pillars and geo-referencing should be done prior to the start of mining.
- A buffer distance/un-mined block of 50 meters after every block of 1000 meters over which mining is undertaken or at such distance as may be directed/prescribed by the regulatory authority shall be maintained.
- River bed sand mining shall be restricted within the central $\frac{3}{4}$ th width of the river/rivulet or 7.5 meters (inward) from river banks but up to 10% of the width of the river, as the case may be and decided by regulatory authority while granting environmental clearance in consultation with irrigation department. Regulating authority while regulating the zone of river bed mining shall ensure that the objective to minimize the effects of riverbank erosion and consequential channel migration are achieved to the extent possible. In general, the area for removal of minerals shall not exceed 60% of the mine lease area, and any deviation or relaxation in this regard shall be adequately supported by the scientific report.

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

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

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

General Profile of the District -

<p>1.Geographical Position</p>	<p>Sehore district with an area of 6579 km² lying between the North Latitudes 22° 33' 30" and 23° 40' 25" and East Longitudes 78° 26' 00" and 78° 02' 00" and falls under the Survey of India topo sheet No. 55A, 55B, 55F and 55F.</p>
<p>2. Area and Population</p>	<p>I. Geographical Area (Sq.Km) Total Area (Sq.Km) 6578 Km²</p> <p>II. CENSUS 2011</p> <p>I. Population</p> <p>a. Total Population:1311332</p> <p>b. Male Population: 683743</p> <p>c. Female Population: 627589</p> <p>II. Literates</p> <p>a. Total Literates: 7,80,362</p> <p>b. Male: 4,69,208</p> <p>c. Female: 3,11,154</p> <p>III. Main Workers (Census 2011)</p> <p>a. Total Workers: 586,087</p> <p>b. Male Workers: 364,559</p> <p>c. Female Workers: 221,528</p> <p>d. Cultivators: 156,629</p>

	<p>e. Agricultural Labourers: 103,531</p> <p>f. Other Workers: 34,371</p> <p>Languages Spoken in the District</p> <p>Hindi and urdu</p>
3. Temperature	<p>Mean- Maximum temperature: 40.7°C</p> <p>Mean- Minimum temperature: 2°C</p>
4. Rainfall (In mm)	<p>Normal – South West Monsoon: 443.0 mm</p> <p>Annual Rainfall: 1139.3 mm</p>
5. Agriculture	<p>a. Total Cultivable Area (Ha): 555.5</p> <p>b. Net Area Sown (Ha): 484.4</p> <p>c. Area Sown more than once (Ha): 135.5</p>
6. Rivers, etc.	<p>The district lies in parts of the Narmada river, Chambal river and Betwa river.</p>
7. Revenue Administrative Divisions	<p>Revenue Divisions:</p> <p>a. Revenue Tehsils: 8</p> <p>b. Revenue Villages: 56</p>
8. Local Bodies	<p>a. Municipalities: 7</p> <p>b. Town Panchayats: 7</p> <p>c. Gram Panchayats: 497</p>

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Description	2011
Actual Population	1,311,332
Male	683,743
Female	627,589
Population Growth	21.54%
Area Sq. km.	6,578
Density/KM ²	199
Proportion to population of Madhya Pradesh	1.81%
Sex Ratio (Per 1000)	918
Child Sex Ratio (0-6 Age)	912
Average Literacy	70.06
Male Literacy	80.83
Female Literacy	58.33
Total Child Population (0-6 Age)	197,429
Male Population (0-6 Age)	103,240
Female Population (0-6 Age)	94,189
Literates	780,362
Male Literates	469,208
Female Literates	311,154
Child Proportion (0-6 Age)	15.06%
Boys Proportion (0-6 Age)	15.10%
Girls Proportion (0-6 Age)	15.01%

Land utilization Pattern in the District - (Forest, Agricultural, Mining etc)

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

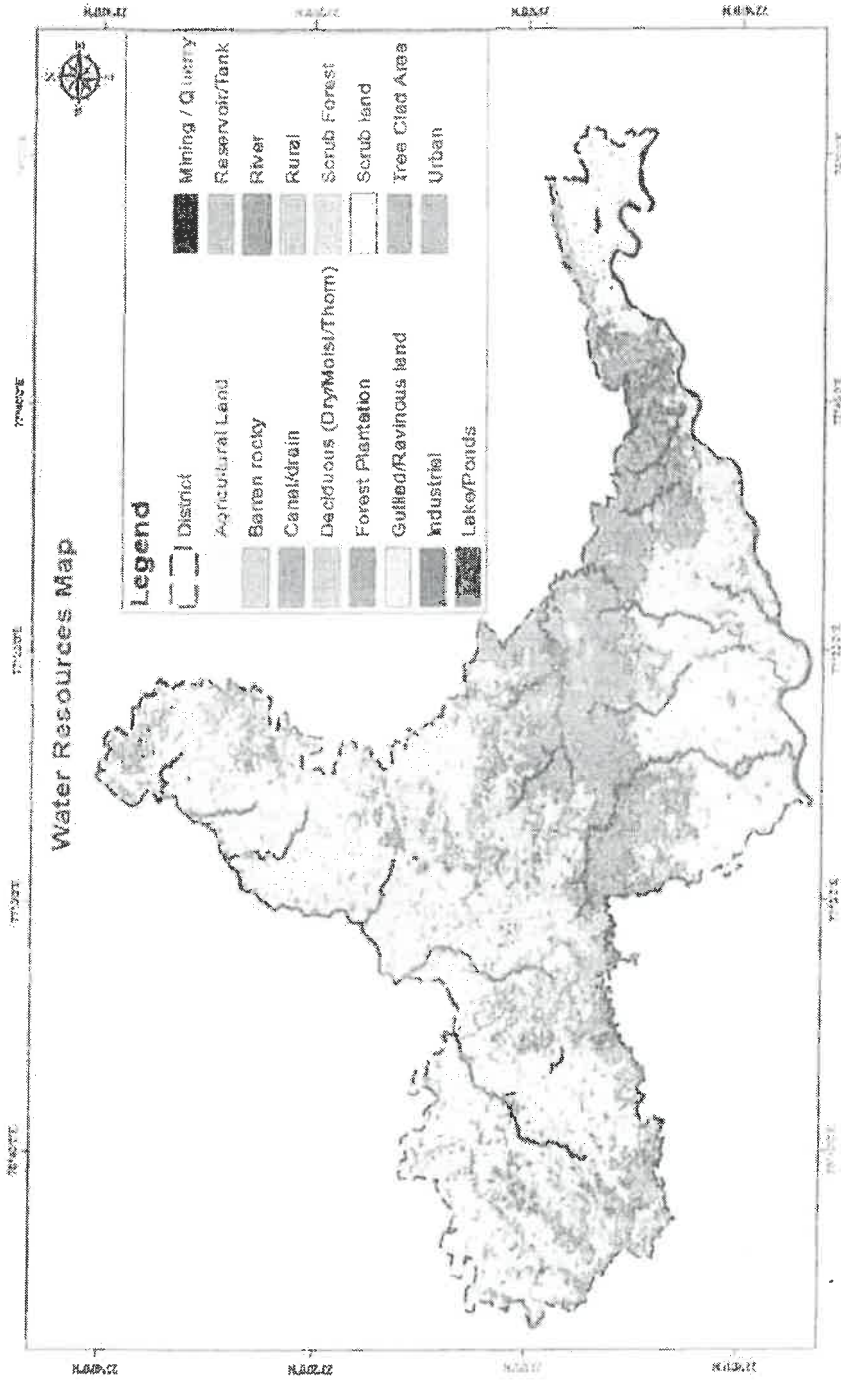
Land Use Pattern of the Study Area

S.no.	Class	Area in Ha.
1	Agricultural Land	462137
2	Barren rocky	462137
3	Deciduous (Dry/Moist/Thorn)	126404
4	Gullied/Ravenous land	94
5	Industrial	1111
6	Lake/Ponds	1036
7	Mining / Quarry	1150
8	Reservoir/Tank	7047
9	River	7002
10	Rural	9421
11	Scrub Forest	15169
12	Scrub land	18726
13	Tree Clad Area	3403
14	Urban	1684

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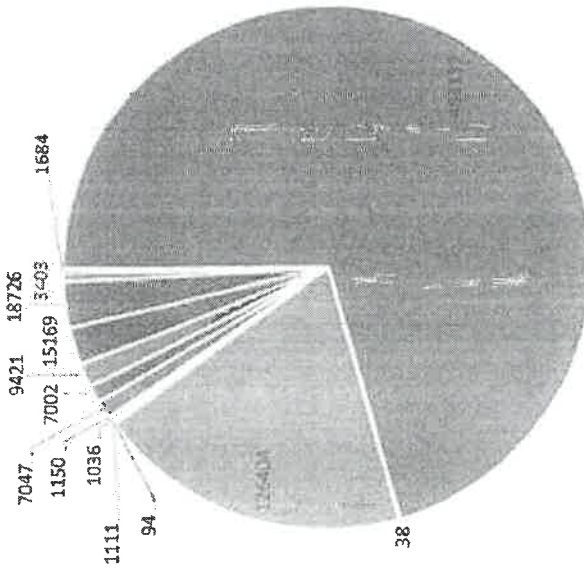


Land Use and Land Cover Map of the District

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 103

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Land use – Land cover Classification Area



- 1 Agricultural Land
- 2 Barren rocky
- 3 Deciduous (Dry/Moist/Thorn) - 4 Guilted/Kavindustand
- 5 Industrial
- 6 Lake/Ponds
- 7 Mining / Quarry
- 8 Reservoir/Tank
- 9 River
- 10 Free Caid Area
- 11 scrub Forest
- 12 Scrub land
- 13 Urban

Land Use and Land Cover Breakup of the District

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Physiography of the District -

Physio-graphically the district has been divided into three units based on the valleys formed by the major rivers i.e. Narmada basin, Chambal basin and Betwa basin. Sehore district forms the part of Malwa plateau with an undulating topography. Sehore stands in the foothills of Vindhya Range in the middle of Malwa region.

1. Narmada Basin Valley
2. Chambal basin
3. Betwa basin

In the district the Narmada basin valley comprises an area of about 3295 Km². The surface water divide running between Ichhawar and Bilkishganj roughly marks the northern boundary of the basin. The basin area is highly undulating with isolated hills and plains. The ground elevation ranges between 300 m and 667 m. above m.s.l. The ground slopes from north to south and east to west.

The Chambal basin valley constitutes an area of about 3108 Km² falling in the entire Ashta block and the area north of Ichhawar in the district. The hilly area high grounds occupying the eastern boundary of the district forms the surface water divide. The area along the western boundary of district, along which Parbati river flows, forms a valley.

A small part of the district, measuring about 175 Km² is located in the east central part of the district forming the Betwa river basin, drained by its tributary the Kolinodi nadi. The presence of elevated ground on all the three sides of the basin marks the surface water divide. The interior area of the basin is marked by undulating topography with elevated plains with very few low altitude isolated hills.

Rainfall of the District and Climate Conditions -

Rainfall -

There are five rain gauge stations in Sehore district namely Astha, Ichhawar, Nasrullaganj, Budhni and Sehore itself. The normal rainfall of Sehore district is 1217.7 mm. The highest rainfall i.e. 1412.3mm received at Sehore and minimum at Astha i.e. 1054.9 mm. July is the wettest month of the year and about 36% of the annual rainfall takes place during this month

only. About 92.4% of the annual rainfall takes place during the southwest monsoon period i.e. between June to September. About 6.2% and 1.4% rainfall received during winter and summer season respectively. Hence only 7.6% of the annual rainfall takes place from October to May months

Climatic Conditions -

The Climate of Sehore district can be divided into four seasons. The winter season commences from end of November and lasts till the end of Feb. The period from March to about the middle of June is the hot season. The south west monsoon season from middle of June to end of September, October & end of November constitute the post monsoon or retreating monsoon season.

Geology of the District -

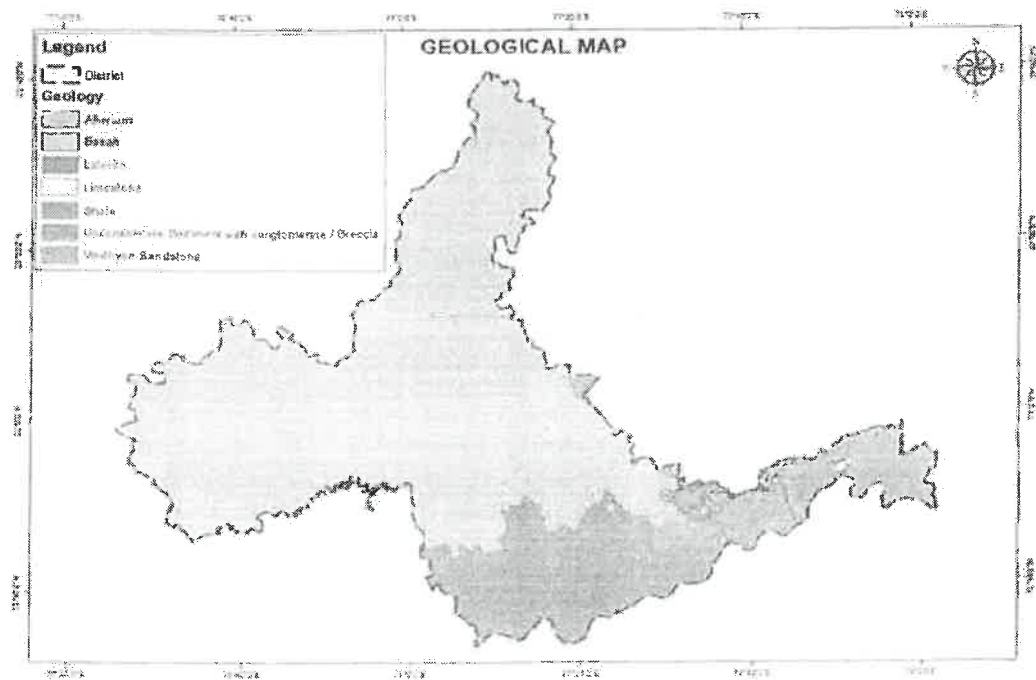
In Sehore District Upper Vindhyan formations comprising of sand stone shales and breccias are exposed in the northern and eastern part of the district. The small patch of the area falling in the northern part is exposed in the form of hills. It occupies an area of about 50 Sq.km and comprises of sandstones. A major part of Budhni block, except east and western parts, is occupied by Vindhyan formation and comprises of sandstone and shales. The sandstones are normally hard, Quartzitic, massive and compact.

Deccan trap formations occupy over 85% of the total area of the district. The general flow is characteristic of lava flows in the area are the most of the flows are of 'Aa' type in nature being disposed in a three-fold system along a vertical column. Each flow normally consists of an upper fragmentary zone, a middle massive part and an impersistent thin layer of basalt clinkers. The fragmentary top zone presents a brecciated look. It is very often highly vesicular and amygdular. The vesicles are generally sub- rounded to irregular in shape. The middle part comprises of massive basalt, which is aphanitic to highly porphyritic.

Recent to sub-recent alluvial formations of significant extension occur in the southeastern part of the district falling in Budhni block. The alluvial formation in this part occurs along the Narmada River. The alluvial formations comprises of Silt, Clay, Sand, Gravel and Pebbles Cobbles etc. with Kankar. The district is covered mostly with Deccan trap formation deposited over the rocks of Vindhyan system. The alluvial area in the district occurs mainly along Narmada and Parbati rivers.

(Table 11) Geological Profile of the District

Age	Formation	Lithology
Quaternary	Alluvium	Clay, Sand, Silt, Gravel
	Laterite	Soil
Lower Eocene To Upper Cretaceous	Deccan Trap	Lava flows of basalt
Pre-Cambrian	Vindhya	Quartzitic sand stone with intercalated shales.

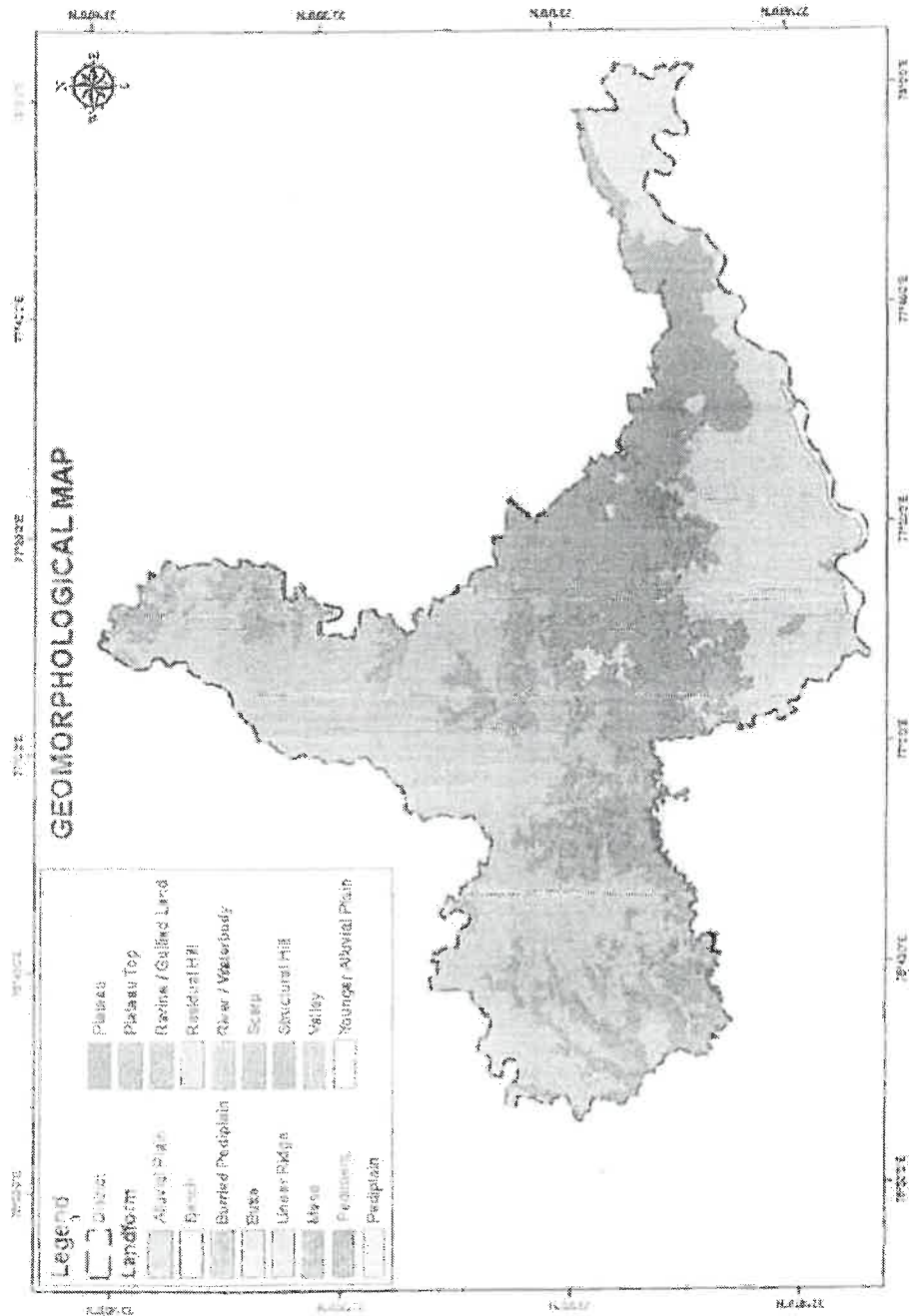


Geological Map of the District

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Drainage and Irrigation Pattern -

Drainage Pattern -

Narmada, Chambal, Betwa rivers drain the area. Ravines & Gullies have developed along the course of all rivers particularly along the flood plains. A very fine network of gullies and forming dendritic drainage network characterizes these

In the district the Narmada basin valley comprises an area of about 3295 Km². The surface water divide running between Ichhawar and Bilkishganj roughly marks the northern boundary of the basin. The ground elevation ranges between 300 m and 667 m. above m.s.l. The ground slopes from north to south and east to west.

The Chambal basin valley constitutes an area of about 3108 Km² falling in the entire Ashta block and the area north of Ichhawar in the district. The ground elevation in the basin vary between a minimum elevation in the basin vary between a minimum of about 455 m in the North/North west to about 545m above m.s.l. in the South/Southwest. The land in the basin slopes from south to north in Ashta area, and from north to west in the remaining area.

A small part of the district, measuring about 175 Km² is located in the east central part of the district forming the Betwa river basin, drained by its tributary the Kolinos nadi. The ground elevations in the area vary between about 545/550 m in the south and west and about 520 in the east.


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, pond, tanks, tube wells, ordinary wells, springs and channels. The Deccan trap formation occupies about 85% of the total area of the district. The main aquifer systems in the formation, are the weathered, vesicular flow

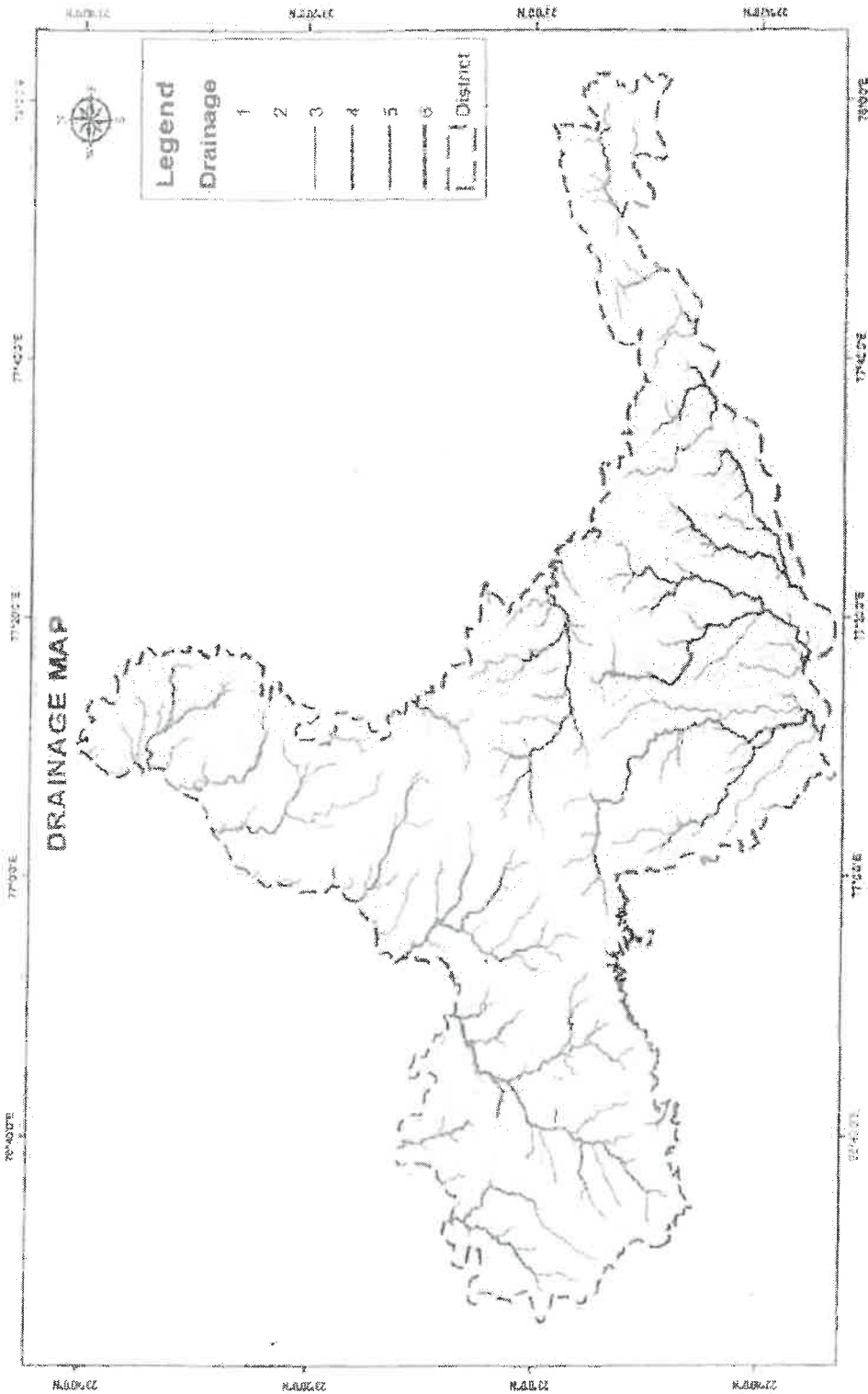
contacts jointed, fractured zones etc. The ground water occurs mainly under phreatic conditions the red bole horizon generally confined conditions the red bole horizon generally act as semi-confining and confining layers in the deep aquifers. The yield of wells in this formation varies from 1 to 5 lps.

Out of total 1810.23 hectares irrigated land, 1128.48 hectares was irrigated from ground water sources. There were 14698 tube wells and 33048 dug wells up to the year 2006 for irrigation purpose. The statistical data of land use and Irrigation pattern of Sehore district has been extracted from the district statistical bookiet, Sehore district 2006. The land use for the district is given in Table – 2. The irrigation details for the district are given in table .resorts ofthe rulers. Their adaptation for irrigation is invariably a modern development.

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Drainage Map of the District

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Surface Water and Ground water scenario of the District -

Ground Water -

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

During May 2012, pre-monsoon the depth to water level in Sehore district ranged between 4.3 m bgl at Jatakheda and 16.86 m bgl at Jawar. During the premonsoon the central part of the district have water level in the range of 6 – 12 mbgl. The northeastern part of district in Sehore block and eastern part of district in Budhni block have the water level in the range of > 20 mbgl. During post-monsoon period of the same year, November 2012, (figure-4) the water levels varied from 4.01 m bgl at Neelkachhar to 11.95 mbgl at Chandbar in Sehore block. It is observed that in most part of the district have shallow water level in comparison to other part of the district.

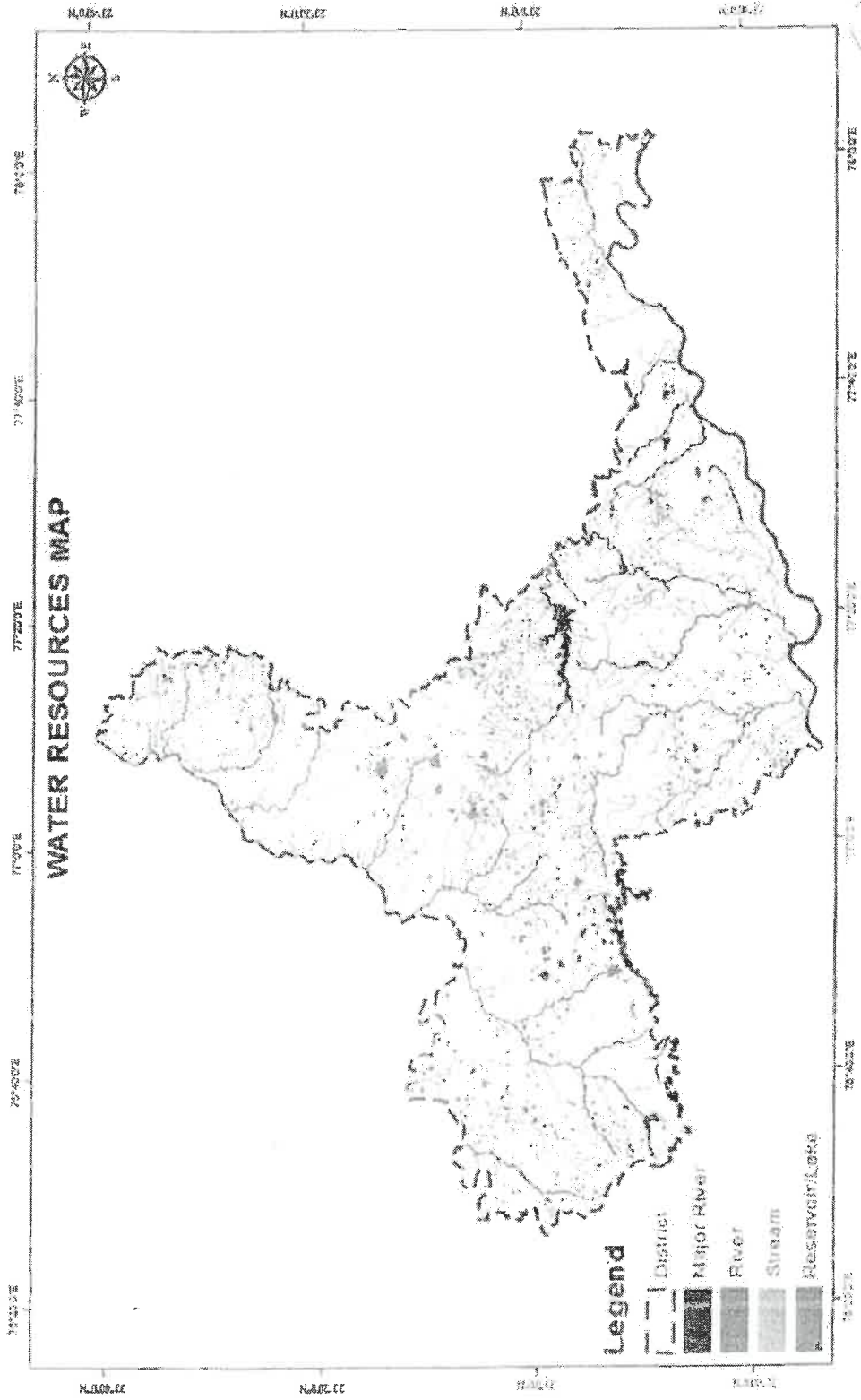
Surface Water -

According to the settlement records, there were 962 tanks constructed during the Chandela period. Most of which were small with low bunds. Out of these tanks 125 tanks were used for tank-bed cultivation. The number of tanks over the years has now been reduced to 421. However, several tanks are of considerable size, particularly those at Baldeogarh, Bamhauri Barana, Lidhaura, Jatara, and Bir Sagar. It is noticeable that none of these tanks with their massive dams, built by the Chandela and others were originally intended for irrigation. They were evidently constructed merely adjacent to temples, Palace and favorite.

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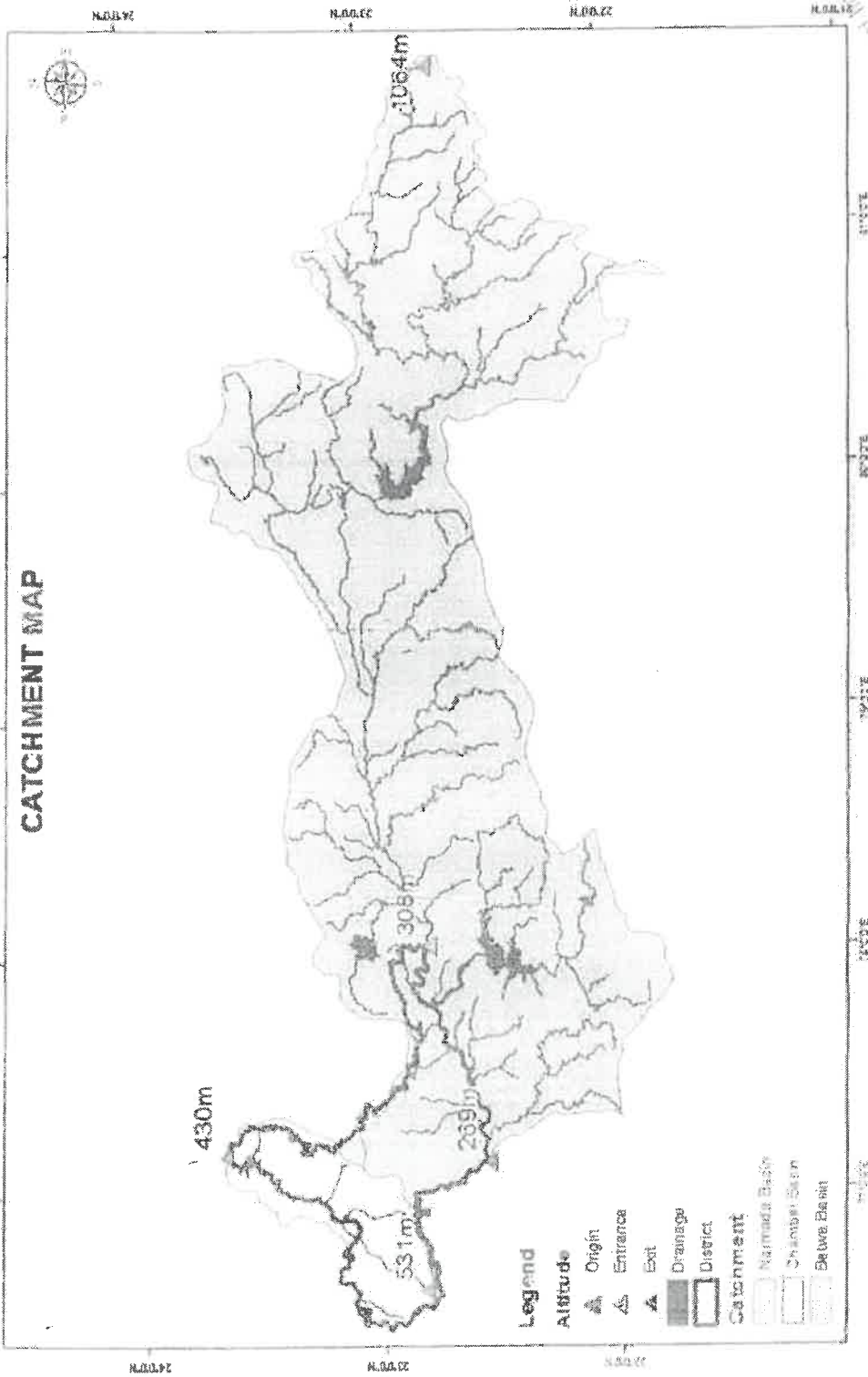
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311
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Water Resources Map of the District

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4111
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Catchment Map

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Details of Catchment Area

S. No.	Properties	Narmada Basin	Chambal Basin
1	Catchment Area up to Exit spot of Particular District	50848 sq km	4120 sq km
2	Catchment Area of Particular District	3103 sq km	3256 sq km
3	Length of the Catchment Area	532 km	118 km
4	Length of the Catchment Area of Particular District	147 km	118 km
5	Altitude at Origin of the River	1064 m	531 km
6	Altitude at Entrance of the Particular District	308 m	531 m
7	Altitude at Exit of the Particular District	269 m	430 m

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

There are no major Eco-Sensitive areas in the district.

Impact on the Environment due to Mining Activity -

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

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

Air -

Mining Operations are carried out by open cast 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 condition.

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The major air pollutants due to mining activity includes: -

Particulate Matter (Dust) of various sizes.

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

Water Impact -

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

Noise -

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

Land Environment -

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

Flora and Fauna -

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

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

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

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**Remedial Measure to mitigate the impact of Mining on the Environment -
Air -**

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

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

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

Water -

- Construction of gariand drains to divert surface run-off into the mining area.
- Construction of check dams / gully plugs at strategic places to arrest silt washoff from broken up area.
- Retaining walls with weep hole will be constructed around the mine boundaries to arrest silt wash off.
- The mined out pits shall be converted into the water reservoir at the end of mine life. This will help in recharging ground water table by acting as a water harvesting structure.
- Periodic analysis of mine pit water and ground water quality in nearby villages.

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- Domestic sewage from site office & urinals/latrines provided in ML is discharged in septic tank followed by soak pits.

Noise -

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

Land Environment -

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

Biological Environment -

- Development of gap filling saplings in the safety barrier left around the

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quarry area.

Carrying out thick greenbelt with local flora species predominantly with long canopy leaves on the inactive mined out upper benches.

- Development of dense poly-culture plantation using local flora species in the mining area at conceptual stage.
- Adoption of suitable air pollution control measures as suggested above.
- Transport of materials in trucks covered with tarpaulin.
- Construction of garland drains and settling tank to arrest silt wash off from lease area.
- Construction of retention walls around lower boundary of mining area to arrest silt wash off and roll down boulders.
- Retaining walls with weep hole will be constructed around the mine boundaries to arrest silt wash off.

Reclamation of Mined out area -

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

Sand Replenishment Plan and Projections -

Sand Replenishment Assessment -

The process of sand replenishment is highly dependent upon the rainfall received in the catchment areas of rivers and their tributaries and velocity of river. It is a dynamic process. Thus it is difficult to predict, what quantity of sand may be reclaimed/ replenished by river. Because, in case of less rain, less water in the river, there may be less erosion and transportation may also be minimal and as a result deposition too will be less. Moreover in case of floods, the sudden push of water may force the change in river course, thus old sites of sand deposition may not be relevant.

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Practically, it is not possible that in such a short period, single person can visit each spot within the district and determine how much quantity of sand may be replenished every year. The data narrated in the report, regarding annual deposition of sand and associated aggregates and minable mineral potential is concerned, is only an estimation based on the production data provided by the district mining Office. Thus, the figures may vary from area to area and year on year basis. Therefore, this document is not a static one but have to be a dynamic one, the figures of which may vary with respect to the area under question for which the prior environmental clearance will be sought.

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

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

NEGATIVE IMPACTS -

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

POSITIVE IMPACTS -

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

Initially replenishment study requires four surveys. The first survey needs to be carried out in the month of April for recording the level of mining lease before the monsoon. The second survey is at the time of closing of mines for monsoon season. This survey will provide the quantity of the material excavated before the offset of monsoon. The third survey needs to

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

Need for Sand Replenishment Study and Factors to be considered ---

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

Formation of sand comprises of the following:

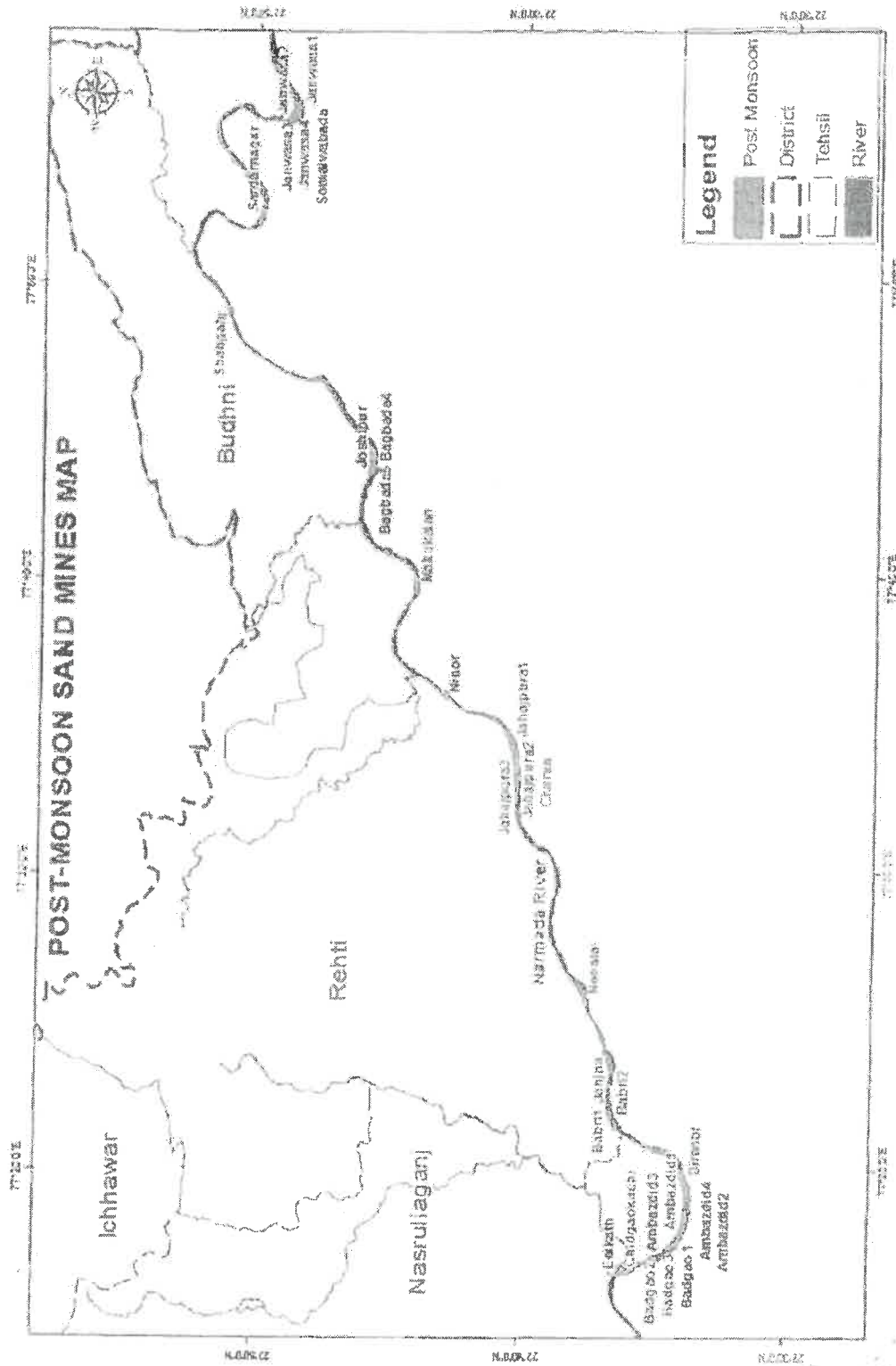
- Catchment area and geographical strata
- Erosion, weathering and transportation of load
- Climatic conditions, precipitation
- Geomorphology, physiographic manmade structures and activity details

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

like:

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

District Survey Report: Sehore




Sand Mining Map of the District-Post Monsoon


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

Asst.
State Level Environment
Assessment Authority, M.P.
(EPCO)
Paryavaran Parisar
Arera Colony, Bhopal (M.P.)

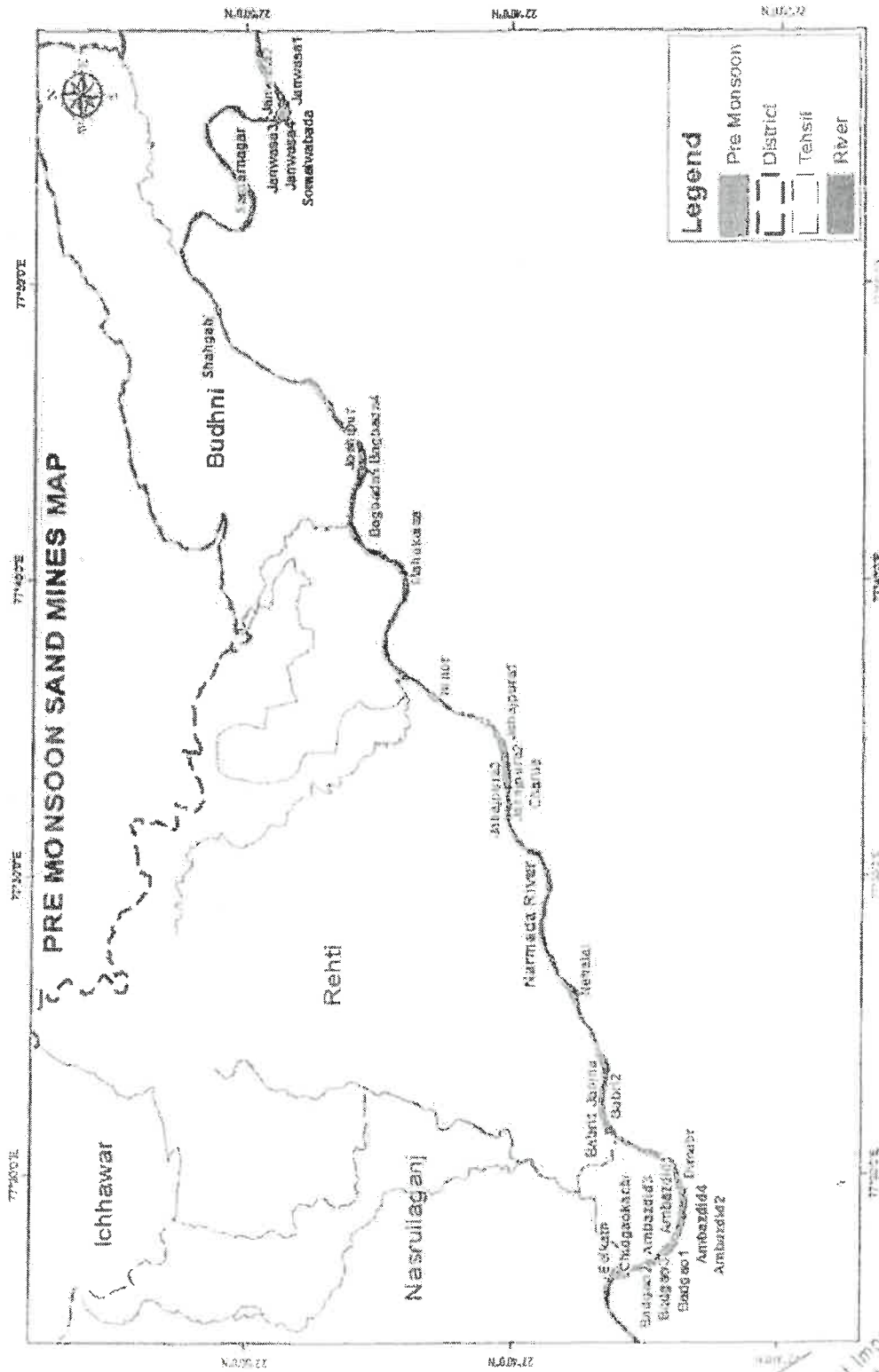
Sand Mining Area based on Post Monsoon

Post-Monsoon Area Based on Satellite Data					
Sr. No.	Name of Mines	Total Area in sqm	Standard Depth In meters	Sand Mines Area Cubic meters	Mineable mineral potential (in m ³ (60 % of total mineral potential)
1	Ambajdid-01	215820	3	647460	388476
2	Ambajdid-02	233410	3	700230	420138
3	Ambajdid-03	200000	3	600000	360000
4	Ambajdid-04	240290	3	0	0
5	Babri-01	40000	3	120000	72000
6	Babri-02	205000	3	615000	369000
7	Badgaon-01	160320	3	480960	288576
8	Badgaon-02	217330	3	651990	391194
9	Badgaon-03	40000	3	120000	72000
10	Bagwada-01	181070	3	543210	325926 ✓
11	Bagwada-02	166670	3	500010	300006
12	Charua	51400	3	154200	92520 ✓
13	Chidgaokachi	50000	3	0	0
14	Dimawar	231700	3	695100	417060
✓15	Nilkath	161000	3	483000	289800 ✓
16	Jahajpura-01	158010	3	474030	284418
17	Jahajpura-02	230000	3	690000	414000
✓18	Jahajpura-03	230000	3	690000	414000 ✓
19	Janjna	121400	3	364200	218520
20	Janwasa-1	140000	3	420000	252000
21	Janwasa-2	200000	3	600000	360000
22	Janwasa-3	100000	3	300000	180000
23	Janwasa-4	150000	3	450000	270000
24	loshipur	202420	3	607260	364356
25	Mahukala	209950	3	629850	377910
26	Nehalai	80930	3	242790	145674
✓27	Ninor	200000	3	600000	360000
28	Sardarnagar	161870	3	485610	291366
29	Shahgahj	70000	3	210000	126000
30	Somalwabada	129500	3	388500	233100
31	Mattagaon	50000	3	150000	90000


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**सहा सनिज अधिकारी
 जिला- सीहोर**

District Survey Report: Sehore




Sand Mining Map of the District -- Pre Monsoon


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

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 Arera Colony, Bhopal (M.P.)

Sand Mining Area based on Pre Monsoon Map

Pre-Monsoon Area Based on Satellite Data					
Sr. No.	Name of Mines	Total Area in sqm	Standard Depth in meters	Sand Mines Area Cubic meters	Mineable mineral potential (in m ³ (60 % of total mineral potential)
1	Ambajdid-01	215820	2.5	539550	323730
2	Ambajdid-02	233410	2.5	583525	350115
3	Ambajdid-03	200000	2.5	500000	300000
4	Ambajdid-04	240290	2.5	0	0
5	Babri-01	40000	2.5	100000	60000
6	Babri-02	205000	2.5	512500	307500
7	Badgaon-01	160320	2.5	400800	240480
8	Badgaon-02	217330	2.5	543325	325995
9	Badgaon-03	40000	2.5	100000	60000
10	Bagwada-01	181070	2.5	452675	271605
11	Bagwada-02	166670	2.5	416675	250005
12	Charua	51400	2.5	128500	77100
13	Chidgaokachi	50000	2.5	0	0
14	Dimawar	231700	2.5	579250	347550
15	Nilkathi	161000	2.5	402500	241500
16	Jahajpura-01	158010	2.5	395025	237015
17	Jahajpura-02	230000	2.5	575000	345000
18	Jahajpura-03	230000	2.5	575000	345000
19	Janjna	121400	2.5	303500	182100
20	Janwasa-1	140000	2.5	350000	210000
21	Janwasa-2	200000	2.5	500000	300000
22	Janwasa-3	100000	2.5	250000	150000
23	Janwasa-4	150000	2.5	375000	225000
24	Joshiapur	202420	2.5	506050	303630
25	Mahukala	209950	2.5	524875	314925
26	Nehalai	80930	2.5	202325	121395
27	Ninor	200000	2.5	500000	300000
28	Sardarnagar	161870	2.5	404675	242805
29	Shahgahj	70000	2.5	175000	105000
30	Somalwabada	129500	2.5	323750	194250
31	Mattagaon	50000	2.5	125000	75000


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 State Level Environment
 Impact Assessment Authority

Comparative Study: Pre and Post Monsoon Scenarios

Sr. No.	Name of Mines	Pre-Monsoon Area Based on Satellite Data				Post-Monsoon Area Based on Satellite Data				Comparative Study		
		Total Area in sqm	Standard Depth in meters	Sand Mines Area Cubic meters	Mineabl emineral potential (in m ³ (60 % of total mineral potential))	Total Area in sqm	Standard Depth in meters	Sand Mines Area Cubic meters	Mineabl emineral potential (in m ³ (60 % of total mineral potential))	Sand Mines Area Cubic meters	Difference Sand Mines Area Cubic meters	
1	Ambajidid-01	215820	2.5	539550	323730	215820	3	647460	388476	107910	0	64746
2	Ambajidid-02	233410	2.5	583525	350115	233410	3	700230	420138	116705	0	70023
3	Ambajidid-03	200000	2.5	500000	300000	200000	3	600000	360000	100000	0	60000
4	Ambajidid-04	240290	2.5	0	0	240290	3	0	0	0	0	0
5	Babri-01	40000	2.5	100000	60000	40000	3	120000	72000	20000	0	12000
6	Babri-02	205000	2.5	512500	307500	205000	3	615000	369000	102500	0	61500
7	Badgaon-01	160320	2.5	400800	240480	160320	3	480960	288576	80160	0	48096
8	Badgaon-02	217330	2.5	543325	325995	217330	3	651990	391194	108665	0	65199

[Signature]
 Regional Director
 EPCO

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9	Badgaon-03	40000	2.5	100000	60000	40000	3	120000	72000	20000	0	12000
10	Bagwada-01	181070	2.5	452675	271605	181070	3	543210	325926	90535	0	54321
11	Bagwada-02	166670	2.5	416675	250005	166670	3	500010	300006	83335	0	50001
12	Charua	51400	2.5	128500	77100	51400	3	154200	92520	25700	0	15420
13	Chidgaokachi	50000	2.5	0	0	50000	3	0	0	0	0	0
14	Dimwar	231700	2.5	579250	347550	231700	3	695100	417060	115850	0	69510
15	Nilkath	161000	2.5	402500	241500	161000	3	483000	289800	80500	0	48300
16	Jahajpura-01	158010	2.5	395025	237015	158010	3	474030	284418	79005	0	47403
17	Jahajpura-02	230000	2.5	575000	345000	230000	3	690000	414000	115000	0	69000
18	Jahajpura-03	230000	2.5	575000	345000	230000	3	690000	414000	115000	0	69000
19	Janjina	121400	2.5	303500	182100	121400	3	364200	218520	60700	0	36420
20	Janwasa-1	140000	2.5	350000	210000	140000	3	420000	252000	70000	0	42000
21	Janwasa-2	200000	2.5	500000	300000	200000	3	600000	360000	100000	0	60000
22	Janwasa-3	100000	2.5	250000	150000	100000	3	300000	180000	50000	0	30000
23	Janwasa-4	150000	2.5	375000	225000	150000	3	450000	270000	75000	0	45000
24	Joshipur	202420	2.5	506050	308630	202420	3	607260	364356	101210	0	60726

श्री. अशोक अधिकारी
सिवर

127
127

State Level Environment Impact
Assessment Authority, M.F.
(EPCO)
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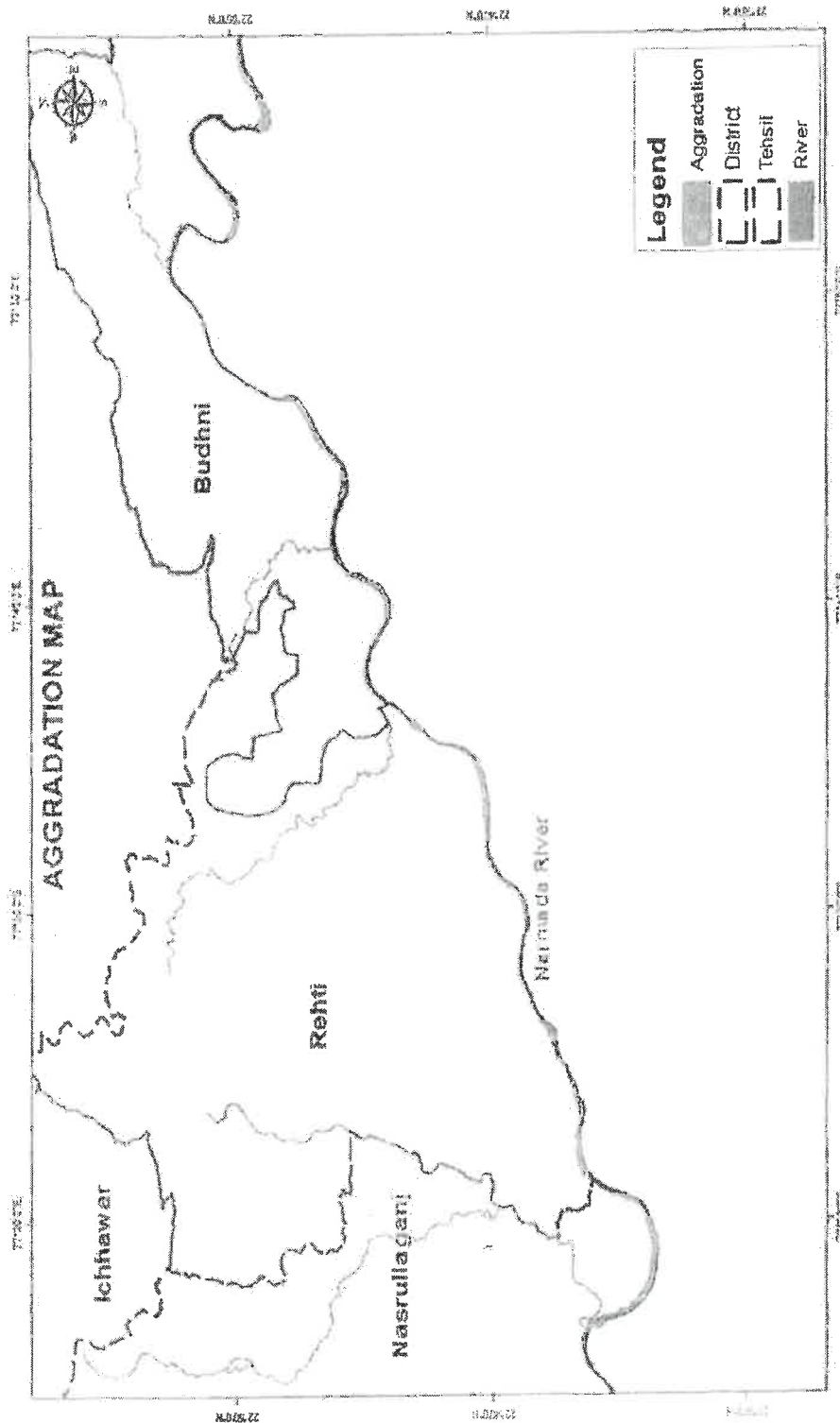
25	Mahukala	209950	2.5	524875	314925	209950	3	629850	377910	104975	0	62985
26	Nehalai	80930	2.5	202325	121395	80930	3	242790	145674	40465	0	24279
27	Niror	200000	2.5	500000	300000	200000	3	600000	360000	100000	0	60000
28	Sardarnagar	161870	2.5	404675	242805	161870	3	485610	291366	80935	0	48561
29	Shahraj	70000	2.5	175000	105000	70000	3	210000	126000	35000	0	21000
30	Somalwabada	129500	2.5	323750	194250	129500	3	388500	233100	64750	0	38850
31	Mattagaon	50000	2.5	125000	75000	50000	3	150000	90000	25000	0	15000

राज्य स्तरीय पर्यावरण
निर्देशावली

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Assessment Authority, M.P.
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128

Aggradations and Degradation Study



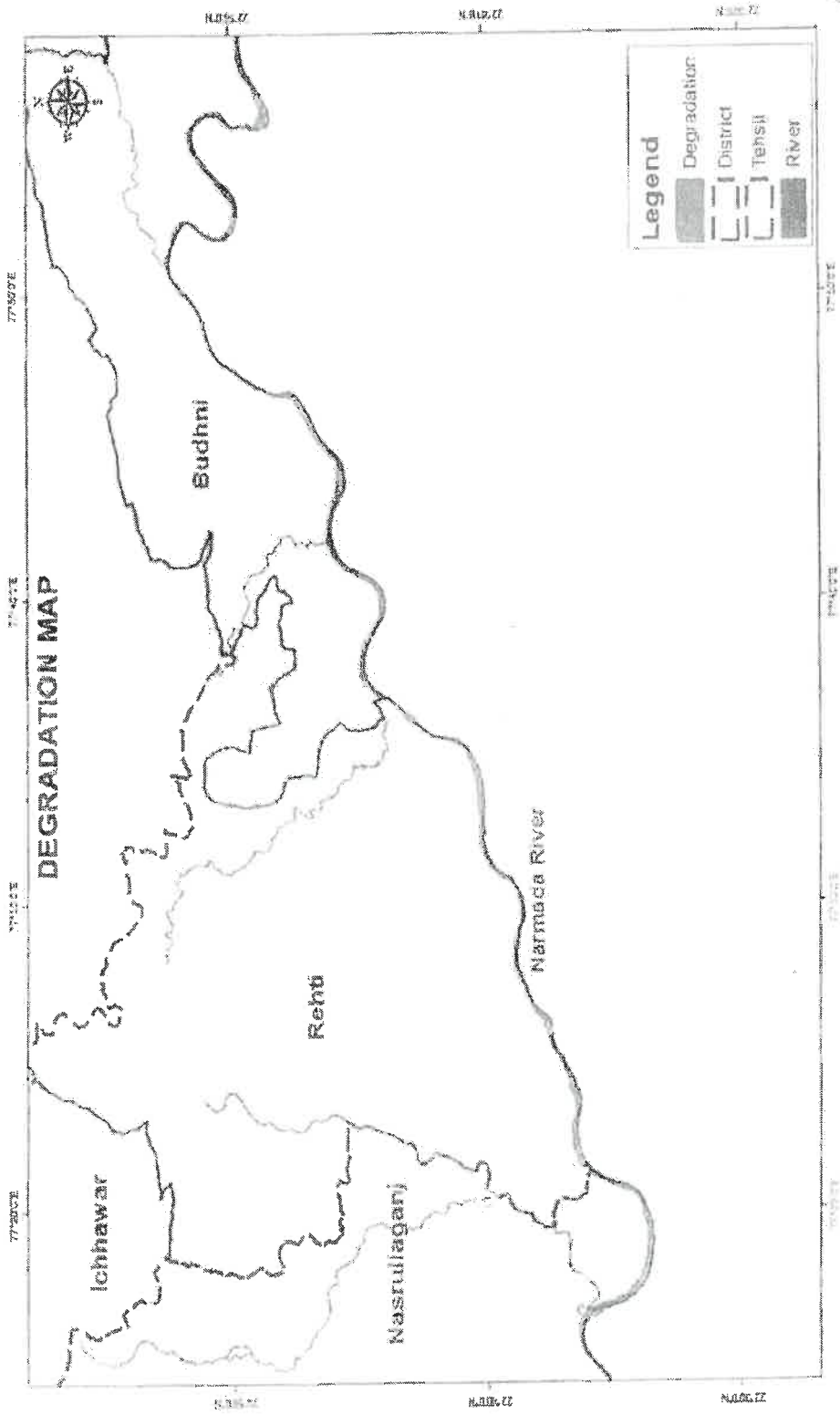
Aggradations Map of the District

128

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

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



ES: Area Colony, Bhopal (M.P.)
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037

Degradation Map of the District

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 (EPCO)
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 5, Area Colony, Bhopal (M.P.)

130


Block Wise Details of Aggradations and Degrations

Sehore District		Aggradations (Post-Monsoon)			Degradation (Pre-Monsoon)		
Sr. No.	Block Name	Total Area in sq. m	Standard Depth After Aggregation 3m	Total Quantity in cu. m	Total Quantity in sq. m	Standard Depth After Degradation	Total Quantity in cu. m
1	Budhni	1711480	3	5134440	1711480	2.5m	4278700
2	Nasrullaganj	1749870	3	5249610	1749870	2.5	3416850
3	Rehti	1366740	3	4100220	1366740	2.5	4374675

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

Drainage System with description of main Rivers

S. NO.	Name of the River	Area Drained	Area Drained in the District
1	Narmada River	50848 sqkm	4120 sqkm
2	Chambal Basin	3103 sqkm	3256 sqkm




 District Engineer

Salient Features of Important Rivers and Streams

S. NO.	Name of the River or Stream	Total Length in the District (in km)	Place of Origin	Altitude at origin
1	Narmada River	147 km	Amarkantak	1026 m
2	Chambal Basin	118 km	Janapav Kuti in Mhow Tehsil	531 m

Details of the Concession area in the District


Name of River or Stream recommended for the mineral concession	Portion of the River or Stream Recommended for Mineral Concession	Length of area recommended for mineral concession (in kilometres)	Average width of area recommended for mineral concession (in meters)	Area recommended for mineral concession (in m ²)	Mineable mineral potential (in m ³ (60 % of total mineral potential))
Narmada River	Ambazdid1, Ambazdid2, Ambazdid3, Ambazdid4, Babr1, Babr2, Badgaol, Badgaol2, Badgaol3, Bagbada4, Bagbada5, Charua, Chidgaokachi, Dimabr, Elkath, Jahajpur1, Jahajpur2, Jahajpur3, Janjna, Janwasal, Janwasal2, Janwasal3, Janwasal4, Joshipur, Mahukalan, Nehalai, Ninor, Sardarnagar, Shahgahj, Somalwabada, Matthagaon	108 km	96 m	4537800	8168040


 सहायक जिला अधिकारी
 जिला- सीहोर

132

132

Sr. No.	Name of Mines	Total Area in sqm	Standard Depth in meters	Sand Mines Area Cubic meters	Mineable mineral potential (in m ³ (60 % of total mineral potential))
1	Ambajidid-01	215820	3	647460	388476
2	Ambajidid-02	233410	3	700230	420138
3	Ambajidid-03	200000	3	600000	360000
4	Ambajidid-04	240290	3	0	0
5	Babri-01	40000	3	120000	72000
6	Babri-02	205000	3	615000	369000
7	Badgaon-01	160320	3	480960	288576
8	Badgaon-02	217330	3	651990	391194
9	Badgaon-03	40000	3	120000	72000
10	Bagwada-01	181070	3	543210	325926
11	Bagwada-02	166670	3	500010	300006
12	Charua	51400	3	154200	92520
13	Chidgaokachi	50000	3	0	0
14	Dimwar	231700	3	695100	417060
15	Nilkath	161000	3	483000	289800
16	Jahajpura-01	158010	3	474030	284418
17	Jahajpura-02	230000	3	690000	414000
18	Jahajpura-03	230000	3	690000	414000
19	Jarjina	121400	3	364200	218520
20	Janwasa-1	140000	3	420000	252000
21	Janwasa-2	200000	3	600000	360000
22	Janwasa-3	100000	3	300000	180000
23	Janwasa-4	150000	3	450000	270000
24	Joshipur	202420	3	607260	364356
25	Mahukala	209950	3	629850	377910
26	Nehalai	80930	3	242790	145674
27	Ninor	200000	3	600000	360000
28	Sardarnagar	161870	3	485610	291366


 राज. अभि. अधिकारी
 पारस-बीकानेर

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

29	Shahganji	70000	3	210000	126000
30	Somalwabada	129500	3	388500	233100
31	Mattarzan	50000	3	150000	90000

Note - The detail of the area allotted for sand mining of the above mines & the quantity of available sand area mentioned in the table on page no. 123 to 127.

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 राज्य सरकार
 भोपाल

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

134


134

Details of Annual Deposition

Name of River or Stream	Portion of the River or Stream Recommended for Mineral Concession	Length of area recommended for mineral concession (in kilometres)	Average width of area recommended for mineral concession (in meters)	Area recommended for mineral concession (in m ²)	Mineable mineral potential (in m ³ (60 % of total mineral potential))
Narmada River	Major Deposition found in the course of Narmada River in southern part of the district from east toward direction	108 km	95 m	4537800	6806700

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135


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

Sr. No.	Name of Mines	Total Area in sqm	Standard Depth in meters	Sand Mines Area Cubic meters	Mineable mineral potential (in m ³ (60 % of total mineral potential))
1	Ambajidid-01	215820	2.5	539550	323730
2	Ambajidid-02	233410	2.5	583525	350115
3	Ambajidid-03	200000	2.5	500000	300000
4	Ambajidid-04	240290	2.5	0	0
5	Babri-01	40000	2.5	100000	60000
6	Babri-02	205000	2.5	512500	307500
7	Badgaon-01	160320	2.5	400800	240480
8	Badgaon-02	217330	2.5	543325	325995
9	Badgaon-03	40000	2.5	100000	60000
10	Bagwada-01	181070	2.5	452675	271605
11	Bagwada-02	166670	2.5	416675	250005
12	Charua	51400	2.5	128500	77100
13	Chidgaokachi	50000	2.5	0	0
14	Dimwar	231700	2.5	579250	347550
15	Nilkath	161000	2.5	402500	241500
16	Jahajpura-01	158010	2.5	395025	237015
17	Jahajpura-02	230000	2.5	575000	345000
18	Jahajpura-03	230000	2.5	575000	345000
19	Janina	121400	2.5	303500	182100
20	Janwasa-1	140000	2.5	350000	210000
21	Janwasa-2	200000	2.5	500000	300000
22	Janwasa-3	100000	2.5	250000	150000
23	Janwasa-4	150000	2.5	375000	225000
24	Josnipur	202420	2.5	506050	303630
25	Mahukala	209950	2.5	524875	314925
26	Nehalai	80930	2.5	202325	121395
27	Ninor	200000	2.5	500000	300000
28	Sardarnagar	161870	2.5	404675	242805
29	Shahgahi	70000	2.5	175000	105000
30	Sornalwabada	129500	2.5	323750	194250


 P. V. Parivar
 एअर-1
 एअर-1

31	Mattapoon	50000	2.5	125000	75000
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Note - The detail of the area allotted for sand mining of the above mines & the quantity of available sand area mentioned in the table on page no. 123 to 128.

STATE LEVEL ENVIRONMENTAL
ASSESSMENT AUTHORITY
BHOVAL

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Risk Assessment & Disaster Management Plan -

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

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

General Responsibilities during an Emergency -

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

Co-ordination with Local Authorities -

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

Disaster Management Plan -

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

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

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Arera
State Level Environment Impact
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(EPCO)
Paryavara, Pariser
E-5, Arera Colony, Bhopal (M.P.)
133 38

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

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

Details of the Occupational Health issues in District -

Open cast method involves dust generation by excavation, loading and transportation of mineral. At site, during excavation and loading activity, dust is main pollutant which affects the health of workers where as environmental and climatic conditions also generate the health problems. Addressing the occupational health hazard means gaining an understanding of the

State Level Environment Impact
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(EPCO)
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Arera Colony, Bhopal (M.P.)

source (its location and magnitude or concentration), identifying an exposure pathway (e.g., a means to get it in contact with someone), and determination of likely a receptor (someone receiving the stuff that is migrating).

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

Physical Hazards due to Mining Operations:

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

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

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

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

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

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

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

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Number of Health Centres in Sehore District

Malaria control in Madhya Pradesh is complex because of vast tracts of forest with tribal settlement. Fifty four million individuals of various ethnic origins, accounting for 8% of the

Block wise distribution of Health Centre					
Block	Hospital	Sub Health centre	Primary Health Centre	Community Health Center	Private Hospital
Sehore	1	34	3	2	7
Ashta	1	39	3	1	3
Budhni	1	24	1	2	1
Icchawar	1	29	3	1	
Nasarullaganj	1	28	2	2	1

total population of India, contributed 30% of total malaria cases, 60% of total falciparum cases and 50% of malaria deaths in the country. Ambitious goals to control tribal malaria by launching "Enhanced Malaria Control Project" (EMCP) by the National Vector Borne Disease Control Program (NVBDCP), with the World Bank assistance, became effective in September 1997 in eight north Indian states. Under EMCP, the program used a broader mix of new interventions, i.e. insecticide-treated bed nets, spraying houses with effective residual insecticides, use of larvivorous fishes, rapid diagnostic tests for prompt diagnosis, treatment of the sick with effective radical treatment and increased public awareness and IEC.

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

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

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

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

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

Trees are highly suitable for the detection and monitoring of the air pollutants and have been effectively used at various places

By planting trees we can achieve the dual purpose of bio aesthetics as well as mitigation of pollution. Proper planning and plantation scheme depends upon the magnitude and type of pollution, selection of pollution tolerant and dust capturing plants

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

No wildlife sanctuary or national park or biosphere reserves are located within the study area. A green belt will be developed along the roads, barren area, surrounding office, rest shelter and other social forestry program. Green belt is erected not from biodiversity conservation point of view but is basically developed as a screen to check the spread of dust pollution. Plantation have a long term benefits in reducing ambient air quality, clean ambient air, sound and acts as dust barrier, carbon sink, soil conservation and enhanced natural ecosystem. Plantation will be done along the 7.5m barrier zone (fresh or excavated). About 300 no. trees/ year will be planted during lease period.

S.No.	Botanical Name	Family	Common Name
1.	Azadirachta indica	Meliaceae	Neem
2.	Ficus religiosa	Moraceae	Pipal
3.	Dalbargiasissoo	Fabaceae	Shisham
4.	Ficus Benghalensis	Moraceae	Bargad

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

5.	Cassia Fistula	Caesalpinaceae	Amaltas
6.	Manilkara Hexandra	Sapotaceae	Khirni
7.	Mangifera Indica	Anacardiaceae	Mango
8.	Psidium guajaya	Myrtaceae	Guava
9.	Borassus flabellifer	Arecaceae	Taad
10.	Madhuca indica	Sapotaceae	Mahua
11.	Tamarindus indica	Caesalpinaceae	Imli
12.	Syzygium cumini	Myrtaceae	Jamun

Recommended Plant species for green belt development/plantation

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



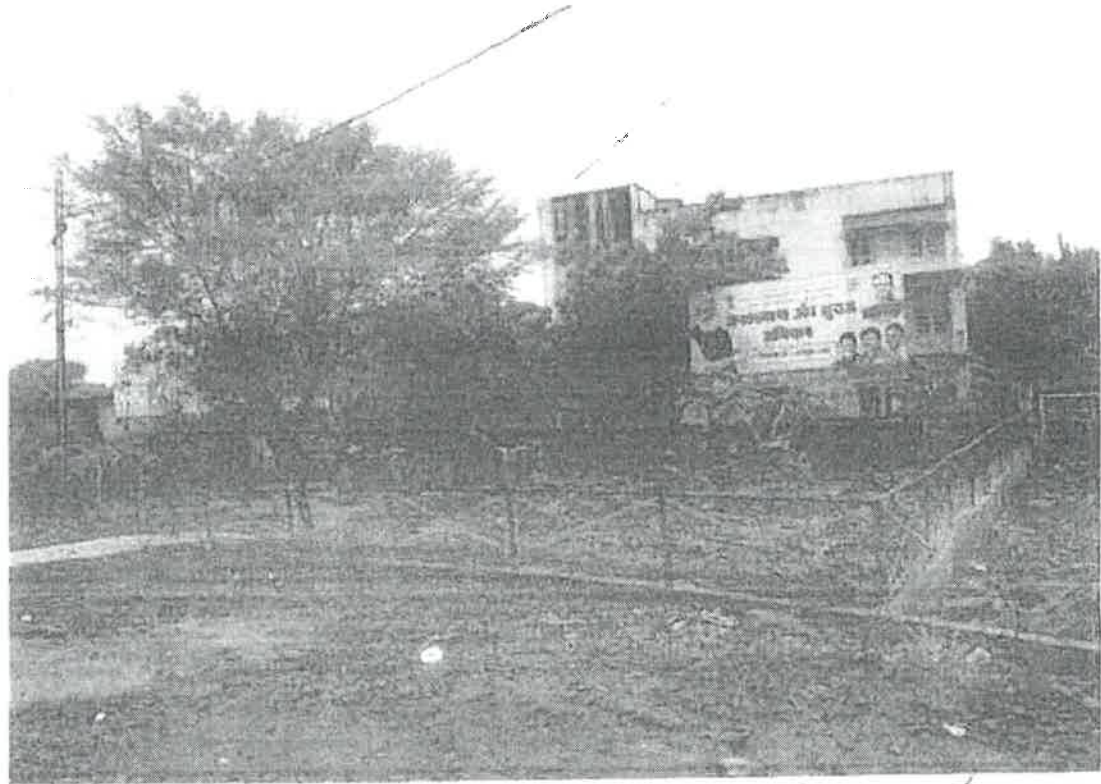
Plantation Done by project proponent in various places

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



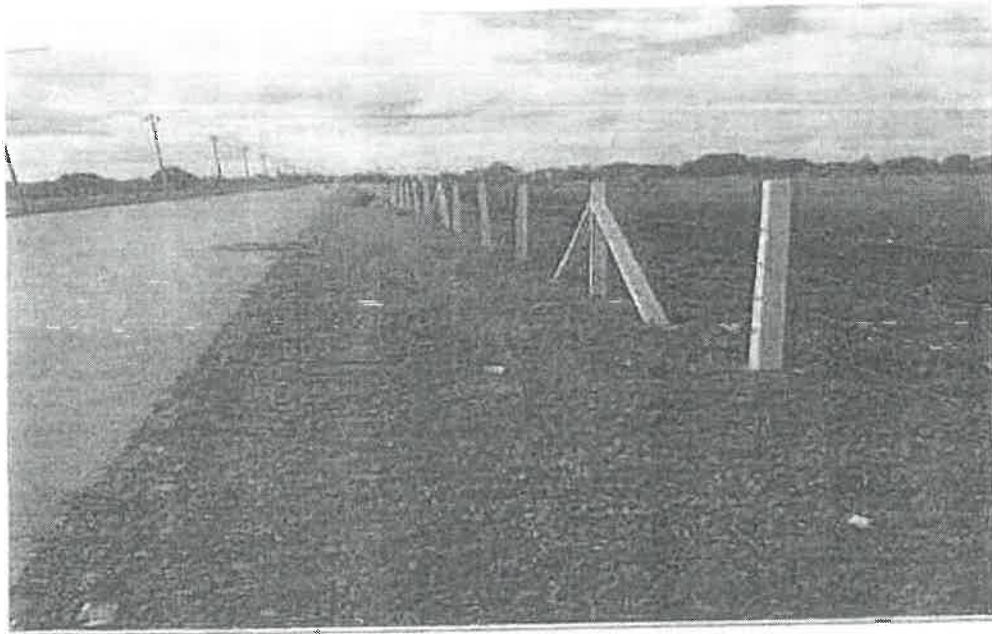
Plantation Done by project proponent in various places



Plantation Done by project proponent in various places

State Level Environment Impact
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Plantation Done by project proponent in various places



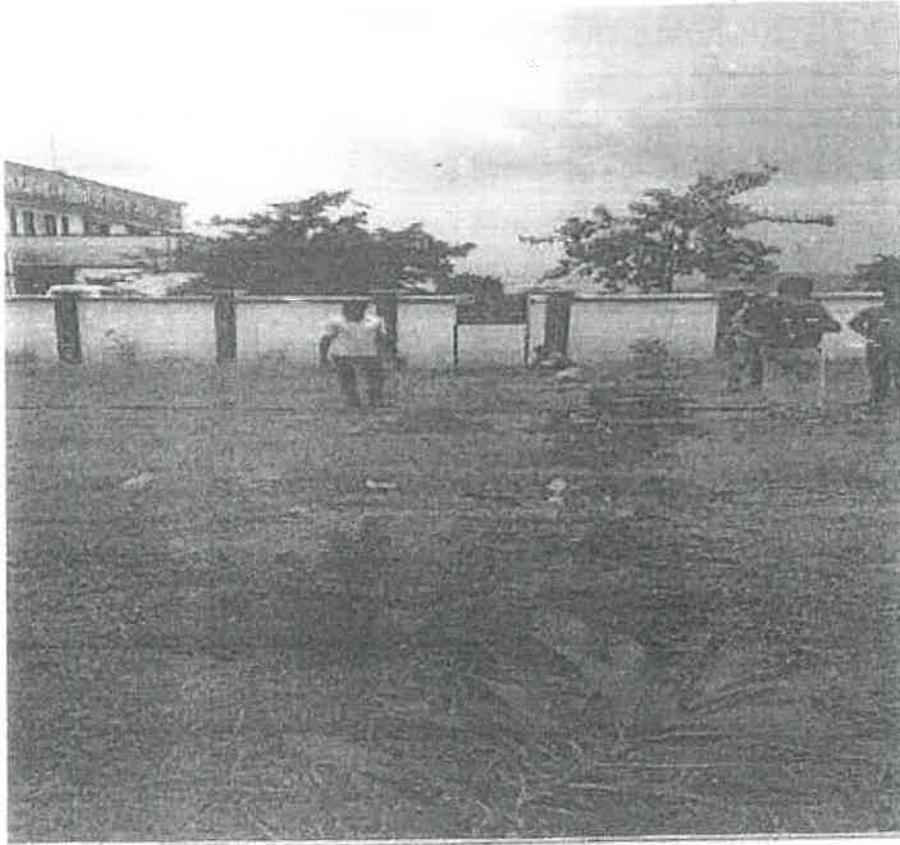
Plantation Done by project proponent in various places

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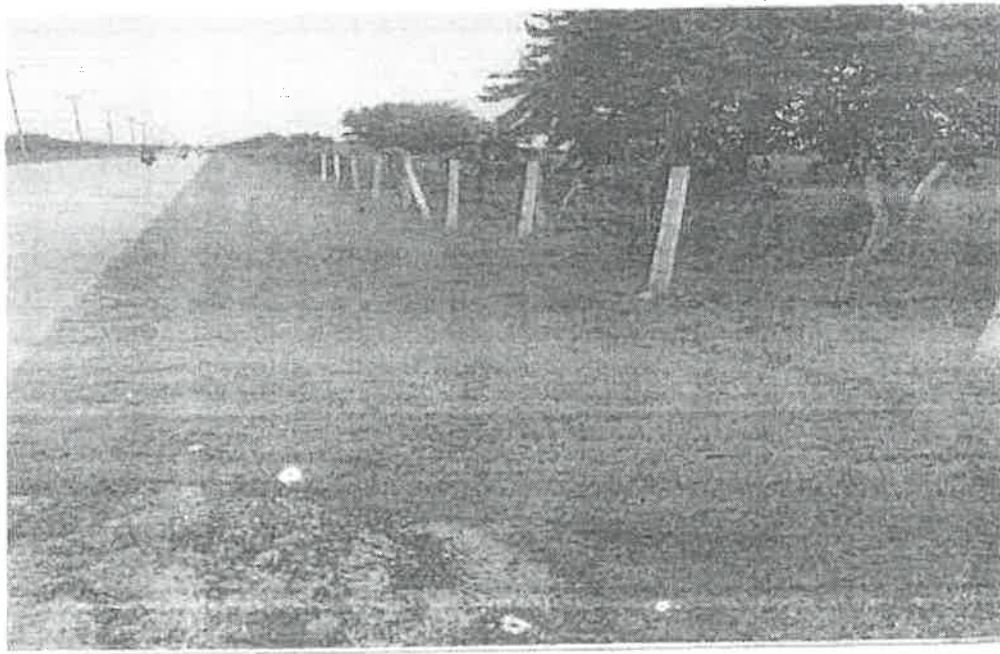
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State Level Environment Impact
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(EPCO)
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Plantation Done by project proponent in various places



Plantation Done by project proponent in various places

State Level Environment Impact
Assessment Authority, M.P.
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Paryavaran Parisar
Arera Colony, Bhopal (M.P.)
17/16

After Completion of District Survey Report (DSR) -


As per the rule, After preparing the District Survey Report (DSR), District Survey Report (DSR) was upload on Collector Sehore Nic Portal & For the General public, Information published in a Daily local newspaper & a National newspaper for the any objection & suggestions for period of 30 Days .

& The District Survey Report (DSR) & field inspection were done by the committee constituted by the department.

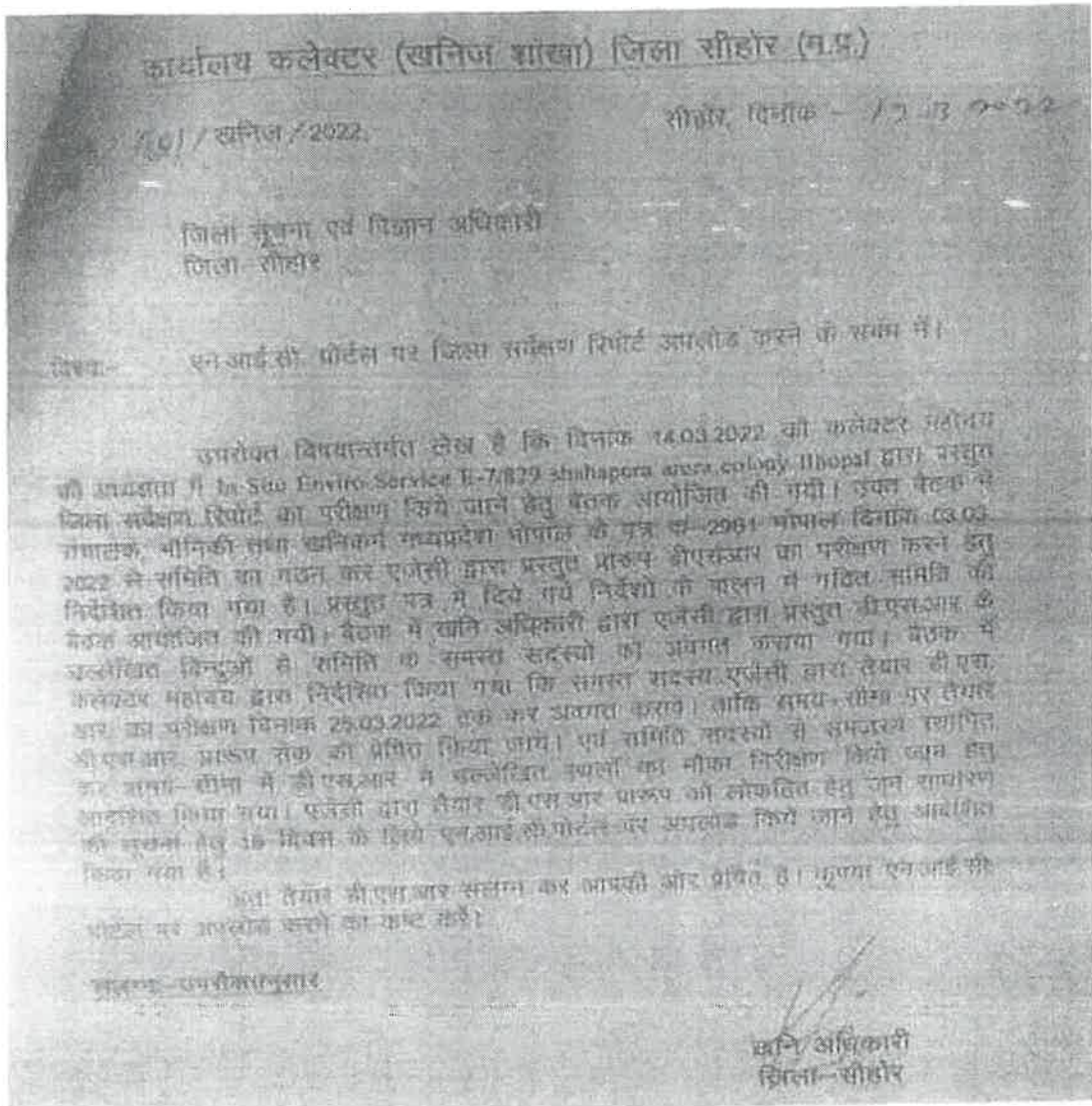
& As per the suggestions & objections received, District Survey Report (DSR) was amended.

A brief description of the above information is as follows -

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

Letter issued to District information officer for uploading District Survey Report in NIC Portal -



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

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

Letter issued to Commissioner, Public Relations Bhopal For publishing Explicit information -

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

(संज्ञांकित पत्र)

संज्ञांकित पत्र

सीहोर, दिनांक 24/3/2022

आपको
माध्यम माध्यम सूचना देना।

विषय- जिला सार्वजनिक रिपोर्ट के संबंध में सर्वसामान्य के अर्थ जागरित हेतु जाहिर सूचना जारी करने कागजात।
 संज्ञांकित- इस कार्यालय कागजात संज्ञांकित 17/03/2022।

कार्यालय सार्वजनिक रिपोर्ट निर्माण लेख है कि दिनांक 14/03/2022 को, एन.ए.आई. मध्य प्रदेश की उपस्थिति में अखिल भारतीय खनिज कार्य प्रवर्धन बोर्ड की संज्ञांकित 03/03/2022 से गठित समिति के समस्त जिला सर्वेक्षण रिपोर्टों का परीक्षण किया गया। एन.ए.आई. द्वारा खनिज आरक्षण प्रणाली को जागरित हेतु एन.ए.आई. की सूचना हेतु 30 दिवस के लिये एन.ए.आई. को जागरित किया गया है। एवं उक्त सूचना आरक्षण रिपोर्ट की 30 दिवस के अन्दर कार्यालय कलेक्टर (खनिज शाखा) जिला सीहोर में जन सामान्य के अवलोकन जागरित एवं सुझाव हेतु उपलब्ध है। उक्त सूचना आरक्षण रिपोर्ट को सर्वत्र यदि किसी व्यक्ति को कोई दोष/जागरित प्रस्तुत करती है। तो दिनांक 18/04/2022 तक कार्यालय कलेक्टर (खनिज शाखा) जिला सीहोर में प्रस्तुत करने दिखवक विज्ञापन प्रकाशित किया गया है।

अतः सर्वसामान्य के अर्थ जागरित हेतु एन.ए.आई. मध्य प्रदेश की ओर सूचना प्रेषित करके एन.ए.आई. मध्य प्रदेश की वेबसाइट पर जाहिर सूचना प्रकाशित करने का कार्य करे।

संज्ञांकित- उपरोक्तानुसार

खनिज अधिकारी
जिला-सीहोर

संज्ञांकित पत्र (75) / खनिज / 2022

सीहोर दिनांक 24/3/2022

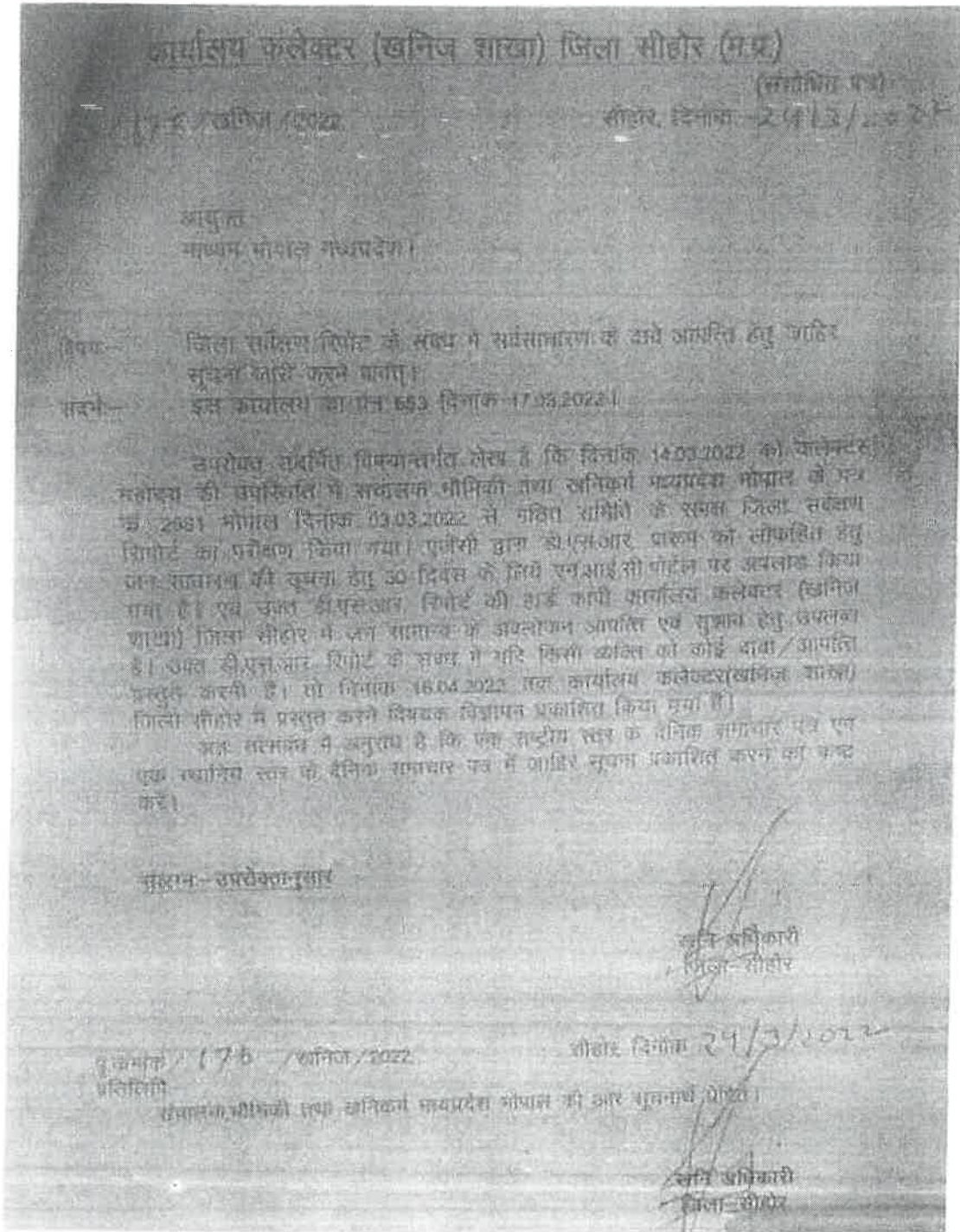
विषय- अखिल भारतीय खनिज कार्य प्रवर्धन बोर्ड की ओर सूचना प्रेषित।

खनिज अधिकारी
जिला-सीहोर

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

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

Letter issued to Commissioner, Public Relations Bhopal For publishing Explicit Information -



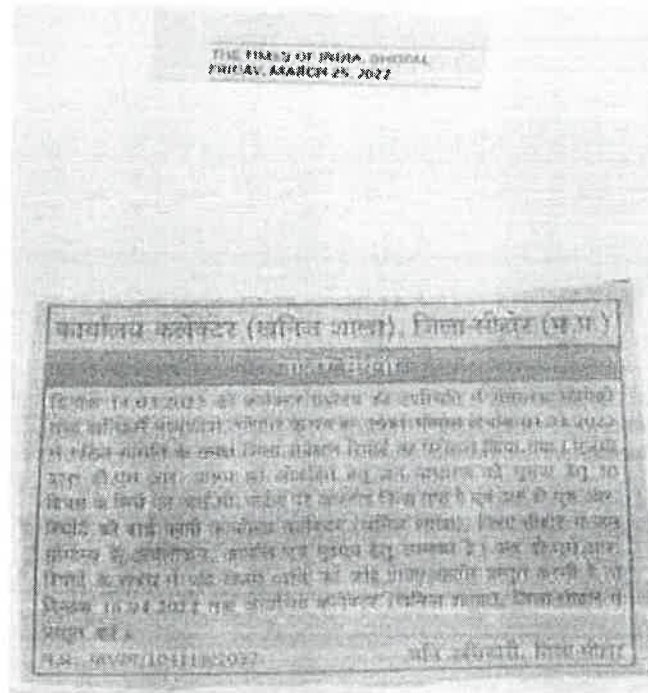
State Level Environment Impact
Assessment Authority, M.P.
(EPCO)
Paryavaran Parisar
E-5, Arera Colony, Bhopal (M.P.)

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

District Survey Report uploaded on NIC Portal -



Information published in a Daily & a National Newspaper for objections & Suggestions of general public -



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

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

सीहोर की बेंटी मेधा परमार ने रचा विश्व कीर्तिमान, एवरेस्ट फाउंड और स्कूबा डाइव करने वाली दुनिया की पहली महिला बनतीं

मेधा परमार ने दुनिया की पहली महिला बनकर एवरेस्ट फाउंडेशन के साथ एक ऐतिहासिक यात्रा की। उन्होंने 2021 में एवरेस्ट पर्वत की चोटी पर पहुंचने का सपना साकार किया।



मेधा परमार एवरेस्ट पर्वत की चोटी पर पहुंचने का सपना साकार करती हैं।

मेधा परमार ने दुनिया की पहली महिला बनकर एवरेस्ट फाउंडेशन के साथ एक ऐतिहासिक यात्रा की। उन्होंने 2021 में एवरेस्ट पर्वत की चोटी पर पहुंचने का सपना साकार किया।

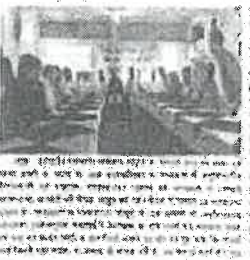
टी.बी.को हराने, टाउन हॉल से सीएमएतओ कार्यालय तक छोड़े युवा



युवाओं ने टाउन हॉल से सीएमएतओ कार्यालय तक रैली निकाली।

सफाई कार्य युद्ध की भांति एकजुट होकर प्रयास करने पर ही संभव होगा-श्री मंडलोई

सफाई कार्य युद्ध की भांति एकजुट होकर प्रयास करने पर ही संभव होगा-श्री मंडलोई



श्री मंडलोई ने सफाई कार्य युद्ध की भांति एकजुट होकर प्रयास करने पर ही संभव होगा-श्री मंडलोई

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आत्मतन अपरामी जित्ता वर

आत्मतन अपरामी जित्ता वर

गणगौर पर आस्था और उत्साह के साथ सामूहिक रूप से महिलाओं ने दिए झाले



गणगौर पर आस्था और उत्साह के साथ सामूहिक रूप से महिलाओं ने दिए झाले

गणगौर पर आस्था और उत्साह के साथ सामूहिक रूप से महिलाओं ने दिए झाले

सहीन स्मारक पीछेक वृक्ष भोंवने प्रयास अभियान चलाया



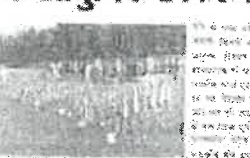
सहीन स्मारक पीछेक वृक्ष भोंवने प्रयास अभियान चलाया

एसीएम ने किया आगली रात का भित्तियन



एसीएम ने किया आगली रात का भित्तियन

फुटबाल प्रशिक्षण के लिए लाखों के आधुनिक उपकरण मैदान पर



फुटबाल प्रशिक्षण के लिए लाखों के आधुनिक उपकरण मैदान पर

फुटबाल प्रशिक्षण के लिए लाखों के आधुनिक उपकरण मैदान पर

100 सालों से जारी है ग्राम अजमतनगर में फाग महोत्सव का आयोजन



100 सालों से जारी है ग्राम अजमतनगर में फाग महोत्सव का आयोजन

100 सालों से जारी है ग्राम अजमतनगर में फाग महोत्सव का आयोजन

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

The following 4 objections & suggestions were received after the publication of the apparent information -

श्री. [Name]
 [Address]
 [City]
 [State]
 [Pin Code]

विषय - [Subject]

प्रति,
 [Recipient Name]
 [Address]
 [City]
 [State]
 [Pin Code]

महोदय,
 [Text]

[Text]

[Signature]

1)

Abrogation - Complied by project proponent.

श्री. [Name]
 [Address]
 [City]
 [State]
 [Pin Code]

विषय - [Subject]

प्रति,
 [Recipient Name]
 [Address]
 [City]
 [State]
 [Pin Code]

महोदय,
 [Text]

[Text]

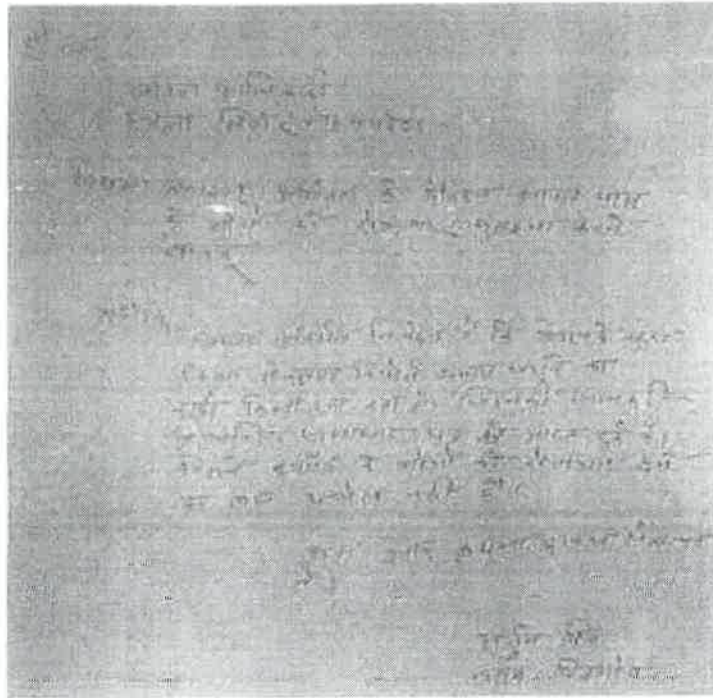
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2)

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

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

Abrogation - Complied by project proponent.

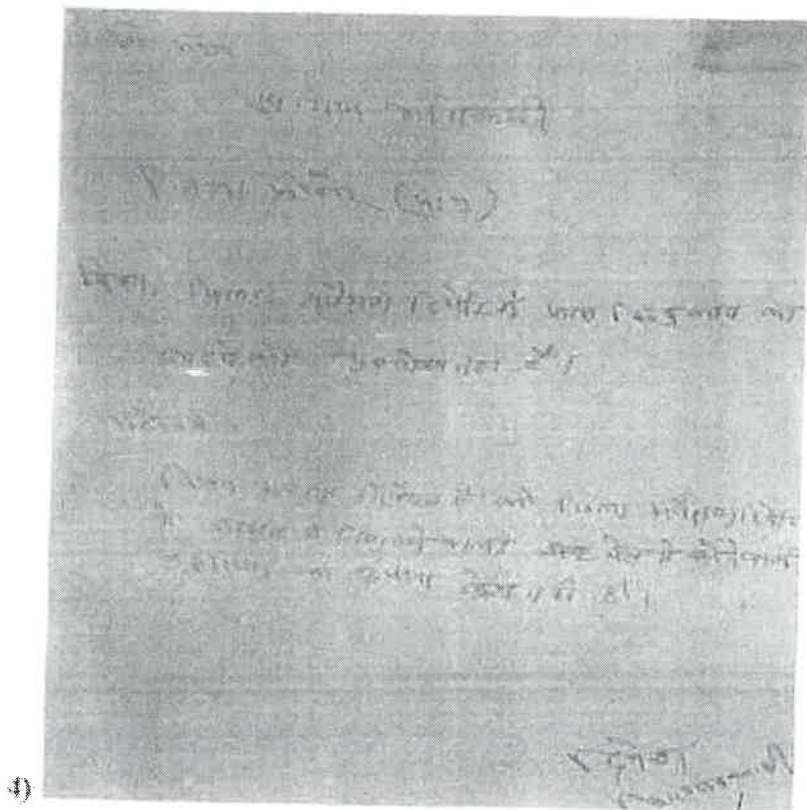


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Abrogation - Complied by project proponent.

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[Signature]
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(EPCO)
Paryavaran Parisar
E-5, Arera Colony, Bhopal (M.P.)



Abrogation - Complied by project proponent.

क. र. अधिकारी
जिला- सीहोर

Note - District Survey Report (DSR) was uploaded on the District Nic Portal for the objections & suggestions of the general public as per the order.

After which a total of 04 objections & suggestions were received.

& District Survey Report (DSR) has been modified after examining the 04 objections & suggestions were received in district mining office.

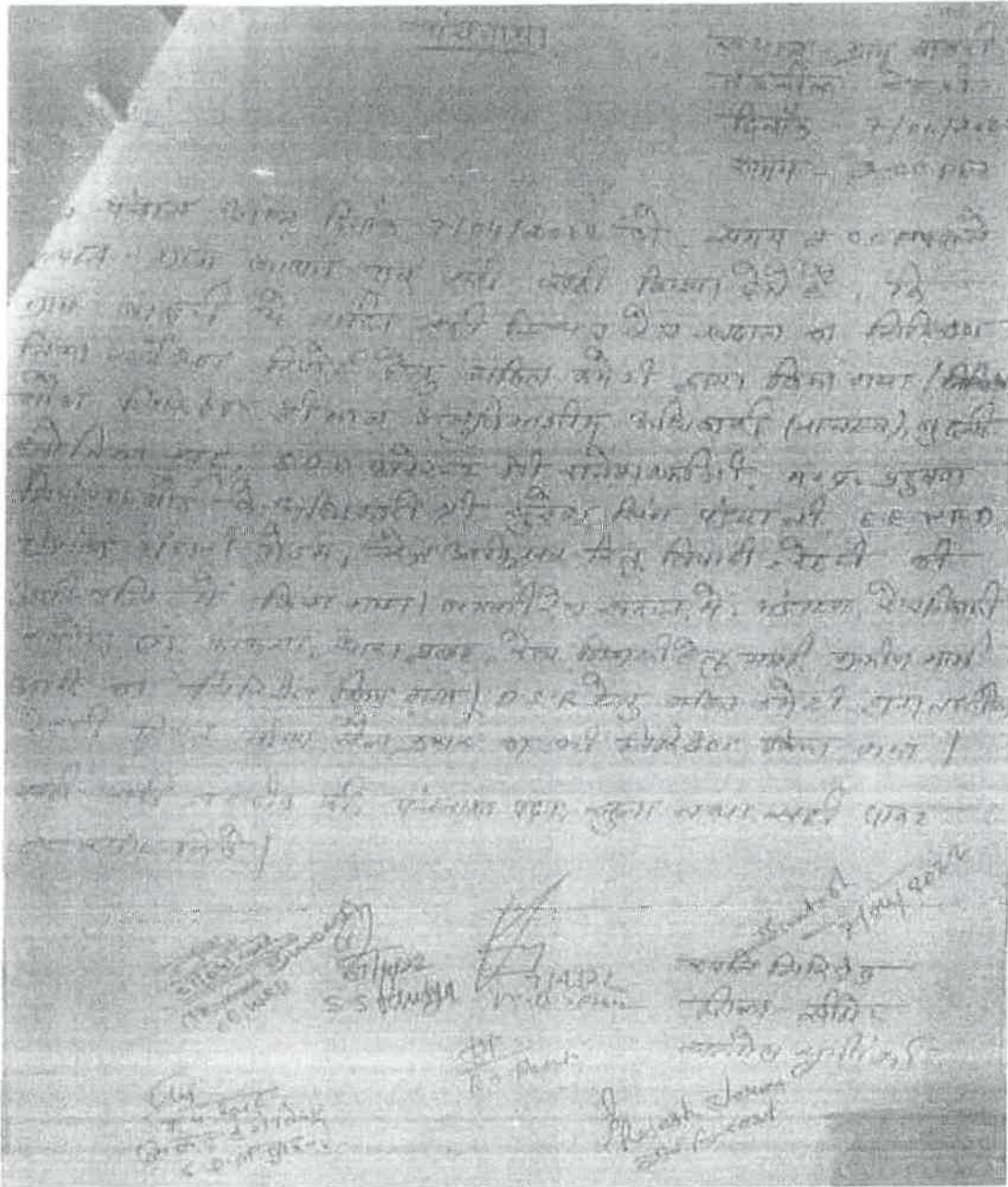
& 04 objections & suggestions examined by Mining Officer and other committee members.

After that District Survey Report (DSR) was amended.

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

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

Panchnama was prepared by committee after inspecting the field -



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

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

Field inspection by committee -



Sand mines



Ballast (Cruher Machine) mines

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

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State Level Environment Impact
Assessment Authority, M.P.
(EPCO)
Paryavaran Parishad
Arera Colony, Bhopal, M.P.



Sand mines



Sand mines

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

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



Sand mines




Sand mines


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

Handwritten signature
State Level Environment Impact
Assessment Authority, M.P.
(EPCO)
Paryavaran Parisar
Arera Colony, Bhopal (M.P.)
58


According to Directorate Geology And Mining M. P. Letter no. 2981 Dated 03/03/2022, The District Survey Report (DSR) was prepared under the sustainable mining management 2016 & enforcement monitoring for sand mining 2020 guideline.


District Survey Report (DSR) has been examined & field inspection, by the committee constituted as follows. & The District Survey Report (DSR) has been constituted according to the objections & suggestions received by the following claimants by issuing the District Survey Report on the NIC portal for a period of 30 days.



Water Resources Department
(Officer)


District Forest Department
(Officer)

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


District Sub-Divisional Officer
(Revenue)


M. P. Pollution Control Board
(Nominee Officer)


सहा. डी.डी. अधिकारी
जिला- खोटा
District Mining
(Officer)



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