



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

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

वेबसाइट- <http://www.mpseiaa.nic.in>

दूरभाष नं. - 0755-2466970, 2466859

फैक्स नं. - 0755-2462136

No: 3135 / SEIAA/2023

Date: 21/3/23

प्रति,

कलेक्टर

जिला - टीकमगढ़ (म.प्र.)

विषय: नवीन जिला सर्वेक्षण रिपोर्ट - टीकमगढ़ (पायरोफिलाईट, डायस्पोर एवं क्वाटर्ज) - संशोधित  
संदर्भ: आपका पत्र क्र. 4502 दिनांक 17/02/23 ।

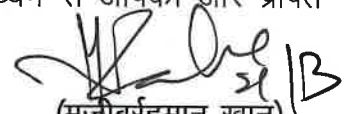
राज्य स्तरीय समाघात निर्धारण प्राधिकरण द्वारा 774वीं बैठक दिनांक 16.03.2023 में निम्नानुसार निर्णय लिया गया :-

राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति (SEAC) की 623वीं बैठक दिनांक 22.02.2023 में टीकमगढ़ (पायरोफिलाईट, डायस्पोर एवं क्वाटर्ज) - संशोधित) की जिला सर्वेक्षण रिपोर्ट में निम्नानुसार सुझाव सहित अनुशंसा की गई है।

"..... समिति ने पाया कि खनि अधिकारी, कार्यालय कलेक्टर, (खनिज शाखा) जिला टीकमगढ़ के पत्र क्र 4502 दिनांक 17/02/23 के माध्यम खदान से खदान की जानकारी निर्धारित प्रपत्र में दे दी गई है तथा लीज धारकों द्वारा किये गये वृक्षारोपण की जानकारी, पौधों की संख्या एवं प्रजाति भी प्रस्तुत कर दी गई है। अतः समिति टीकमगढ़ जिले की जिला सर्वेक्षण रिपोर्ट 31 गौण खनिज (पायरोफिलाईट, डायस्पोर एवं क्वाटर्ज) अनुमोदन हेतु विचारार्थ एवं आगामी कार्यवाही हेतु राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण की ओर प्रेषित की जाये।"

राज्य स्तरीय समाघात निर्धारण प्राधिकरण (SEIAA) द्वारा विस्तृत चर्चा एवं विचार विमर्श उपरांत SEAC की 623वीं बैठक दिनांक 22.02.2023 के अनुमोदन प्रस्ताव को मान्य करते हुए टीकमगढ़ जिले की जिला सर्वेक्षण रिपोर्ट (31 गौण खनिज (पायरोफिलाईट, डायस्पोर एवं क्वाटर्ज) - संशोधित ) का अनुमोदन SEAC द्वारा सुझाई गई उपरोक्त अनुशंसाओं के साथ किया जाता है। तदनुसार जिला कलेक्टर, टीकमगढ़ को जिला सर्वेक्षण रिपोर्ट जिला पोर्टल पर अपलोड करवाये जाने एवं संचालक, भौमिकी तथा खनिकर्म को सूचित किया जाये।

उपरोक्त निर्णयानुसार कृपया अनुमोदित नवीन जिला सर्वेक्षण रिपोर्ट जिला पोर्टल पर अपलोड करने का कष्ट करें। सुलभ संदर्भ हेतु अनुमोदित नवीन जिला सर्वेक्षण रिपोर्ट की साफ्टकॉपी ई-मेल के माध्यम से आपकी ओर प्रेषित है।

  
(मुजीबुरहमान खान)  
सदस्य सचिव

क्र. /SEIAA/2023 भोपाल दिनांक  
प्रतिलिपि :-

1. प्रमुख सचिव, म.प्र. शासन, पर्यावरण विभाग, मंत्रालय, भोपाल की ओर कृपया सूचनार्थ ।
2. संचालक, प्रशासन/तकनीकी, संचालनालय, भौमिकी तथा खनिकर्म, 29-ए, खनिज भवन, अरेरा हिल्स, भोपाल (म.प्र.)
3. सदस्य सचिव, राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति (SEAC), अनुसंधान एवं विकास विंग, म.प्र. प्रदूषण नियंत्रण बोर्ड, पर्यावरण परिसर, ई-5, अरेरा कॉलोनी, भोपाल (म.प्र.) - 462016 की ओर सूचनार्थ ।

सदस्य सचिव

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राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण म.प्र. की 774वीं बैठक दिनांक 16.03.2023  
का कार्यवाही विवरण

19.	9612/2023	1(a)	पत्थर खदान	For ToR	पुनः परीक्षण हेतु SEAC को अग्रेषित
20.	9613/2023	1(a)	पत्थर खदान	For ToR	पुनः परीक्षण हेतु SEAC को अग्रेषित
21.	9604/2023	1(a)	पत्थर खदान	For ToR	पुनः परीक्षण हेतु SEAC को अग्रेषित
22.	9611/2023	1(a)	पत्थर खदान	For ToR	ToR स्वीकृत
23.	9617/2023	1(c)	सिचाई परियोजना	For ToR	ToR स्वीकृत
24.	9618/2023	1(c)	सिचाई परियोजना	For ToR	ToR स्वीकृत
25.	9619/2023	1(a)	पत्थर खदान	For ToR	ToR स्वीकृत
26.	8691/2023	1(a)	पत्थर खदान	For Delist	परीक्षण हेतु SEAC को अग्रेषित
27.	5750/2020	8(b)	भवन निर्माण	बैंक गारंटी विमुक्त	स्वीकृत
नीतिगत निर्णय					

1. जिला सर्वेक्षण रिपोर्ट - जिला टीकमगढ़ 31 गौण खनिज (पायरोफिलाईट, डायस्पोर एवं क्वाटर्ज) - संशोधित


राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति (SEAC) की 623वीं बैठक दिनांक 22.02.2023 में टीकमगढ़ जिले की जिला सर्वेक्षण रिपोर्ट (31 गौण खनिज (पायरोफिलाईट, डायस्पोर एवं क्वाटर्ज) - संशोधित ) में निम्नानुसार सुझाव सहित अनुशंसा की गई है :


".....समिति ने पाया कि खनि अधिकारी, कार्यालय कलेक्टर, (खनिज शाखा) जिला टीकमगढ़ के पत्र क्र 4502 दिनांक 17/02/23 के माध्यम खदान से खदान की जानकारी निर्धारित प्रपत्र में दे दी गई है तथा लीज धारकों द्वारा किये गये वृक्षारोपण की जानकारी, पौधों की संख्या एवं प्रजाति भी प्रस्तुत कर दी गई है। अतः समिति टीकमगढ़ जिले की जिला सर्वेक्षण रिपोर्ट 31 गौण खनिज (पायरोफिलाईट, डायस्पोर एवं क्वाटर्ज) अनुमोदन हेतु विचारार्थ एवं आगामी कार्यवाही हेतु राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण की ओर प्रेषित की जाये।"


राज्य स्तरीय समाघात निर्धारण प्राधिकरण (SEIAA) द्वारा विस्तृत चर्चा एवं विचार विमर्श उपरांत SEAC की 623वीं बैठक दिनांक 22.02.2023 के अनुमोदन प्रस्ताव को मान्य करते हुए टीकमगढ़ जिले की जिला सर्वेक्षण रिपोर्ट (31 गौण खनिज (पायरोफिलाईट, डायस्पोर एवं क्वाटर्ज) - संशोधित ) का अनुमोदन SEAC द्वारा सुझाई गई उपरोक्त अनुशंसाओं के साथ किया जाता है। तदनुसार जिला कलेक्टर, टीकमगढ़ को जिला सर्वेक्षण रिपोर्ट जिला पोर्टल पर अपलोड करवाये जाने एवं संचालक, भौमिकी तथा खनिकर्म को सूचित किया जाये।

2. जिला सर्वेक्षण रिपोर्ट, पन्ना - (अन्य गौण खनिज -रेत को छोड़कर)

राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति (SEAC) की 623वीं बैठक दिनांक 22.02.2023 में पन्ना जिले की जिला सर्वेक्षण रिपोर्ट (अन्य गौण खनिज -रेत को छोड़कर) में निम्नानुसार सुझाव सहित अनुशंसा की गई है :

  
(मुजीबुरहमान खान)  
सदस्य सचिव

  
(अनिल कुमार शर्मा)  
सदस्य

  
(अरुण कुमार भट्ट)  
अध्यक्ष

**623वीं राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति की बैठक**  
**दिनांक 22 फरवरी, 2023**

6. रेनवॉटर हार्वेस्टिंग तथा रिवर रिजुविनेशन हेतु किसी विशेषज्ञ द्वारा एक्यूफर, परकोलेशन टैंक, रिचार्ज शॉफ्ट एवं सब सरफेस डायक का अध्ययन कर प्रतिवेदन ई.आई.ए. रिपोर्ट के साथ प्रस्तुत करें ।
7. ओव्हर बर्डन एवं टॉपस्वाइल मैनेजमेंट प्लॉन, ई.आई.ए. रिपोर्ट के साथ प्रस्तुत की जाये।
8. भूमि का वर्तमान लैंड यूज क्या है, के संबंध में सक्षम प्राधिकारी का प्रतिवेदन तथा ऑल्टरनेट ग्रेजिंग लैण्ड मैनेजमेंट योजना ई.आई.ए. रिपोर्ट के साथ प्रस्तुत करें ।

**जिला सर्वेक्षण रिपोर्टों पर चर्चा –**

जिला सर्वेक्षण रिपोर्ट आज की बैठक के दौरान प्रस्तुत की गयी। यह प्रकरण एजेण्डा में सूचीबद्ध नहीं था किंतु संबंधित टीकमगढ़, पन्ना, एवं नरसिंहपुर जिले से प्राप्त जिला सर्वेक्षण रिपोर्ट पर पूर्व की बैठको मे चर्चा हो चुकी है अतः माननीय अध्यक्ष महोदय द्वारा निर्णय लिया गया कि प्रस्तुतीकरण की आवश्यकता नहीं है तथा जो जानकारी चाही गई है उसके आधार पर निर्णय लिया जा सकता है।

**1. जिला सर्वेक्षण रिपोर्ट, टीकमगढ़ – 31 गौण खनिज (पायरोफिलाईट, डायस्पोर एवं क्वाटर्ज) ( संशोधित)**

आज दिनांक 22/02/2023 को टीकमगढ़ जिले की जिला सर्वेक्षण रिपोर्ट के अवलोकन करने पर समिति ने पाया कि टीकमगढ़ जिले की पुनरीक्षित अन्य 31 गौण खनिज (पायरोफिलाईट, डायस्पोर एवं क्वाटर्ज) खनिजों की जिला सर्वेक्षण रिपोर्ट कार्यालय कलेक्टर, (खनिज शाखा) जिला- टीकमगढ़ के पत्र क्र0 4502 दिनांक 17/02/23 के माध्यम से सेक को दिनांक 20/02/23 प्राप्त हुई है जिला सर्वेक्षण रिपोर्ट का परीक्षण करने पर यह पाया कि ।

- कार्यालय कलेक्टर, (खनिज शाखा) जिला- टीकमगढ़ के पत्र क्र0 4502 दिनांक 17/02/23 में यह उल्लेख किया गया है कि रेत, गिट्टी, पत्थर, मुंरूम, ग्रेनाइट एवं 31 गौण खनिजो (पायरोफिलाईट, डायस्पोर एवं क्वाटर्ज) की जिला सर्वेक्षण रिपोर्ट का जिला स्तर पर गठित समिति द्वारा दिनांक 12/04/22 अनुमोदित हुआ था ।
- कार्यालय कलेक्टर, (खनिज शाखा) जिला- टीकमगढ़ के पत्र क्र0 4502 दिनांक 17/02/23 में यह उल्लेख किया है कि इस जिला सर्वेक्षण रिपोर्ट को जिले के पोर्टल पर 21 दिन की अवधि हेतु दिनांक 19/04/22 अपलोड किया गया था एवं निर्धारित अवधि में कोई सुझाव प्राप्त नहीं हुए ।
- प्रस्तुत संशोधित जिला सर्वेक्षण रिपोर्ट के चेप्टर – 09 में (पेज न0. 23–29) में खदान की जानकारी निर्धारित प्रपत्र मे दे दी गई है।
- ग्रेनाइट की 02 खदानों के बारे में खनिज अधिकारी ने उल्लेख किया है कि इन खदानों की पूर्वेक्षण अनुज्ञापति स्वीकृत है एवं इनपर पर्यावरण स्वीकृति पश्चात् इन पर विचार किया जावेगा



**623वीं राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति की बैठक**  
**दिनांक 22 फरवरी, 2023**

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- जिले में हरित क्षेत्र के विकास हेतु पूर्व के वर्षों (2019-20, 2020-21 एवं 2021-22) में लीज धारकों द्वारा किये गये वृक्षारोपण की जानकारी, संख्या एवं प्रजातियों की जानकारी टेबिल क्रमांक-निरंक (पेज क्र०. 57 से 59) में दे दी गई है।

समिति ने पाया कि खनि. अधिकारी, कार्यालय कलेक्टर, (खनिज शाखा) जिला- टीकमगढ़ के पत्र क्र० 4502 दिनांक 17/02/23 के माध्यम खदान की जानकारी निर्धारित प्रपत्र में दे दी गई है तथा लीज धारकों द्वारा किये गये वृक्षारोपण की जानकारी, पौधों की संख्या एवं प्रजाति भी प्रस्तुत कर दी गई है। अतः समिति टीकमगढ़ जिले की जिला सर्वेक्षण रिपोर्ट 31 गौण खनिजों (पायरोफिलाईट, डायस्पोर एवं क्वाटर्ज) अनुमोदन हेतु विचारार्थ एवं आगामी कार्यवाही हेतु राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण की ओर प्रेषित की जाये।

**2. जिला सर्वेक्षण रिपोर्ट, पन्ना – अन्य गौण खनिज रेत को छोड़कर (संशोधित) ।**

आज दिनांक 22/02/2023 को पन्ना जिले की जिला सर्वेक्षण रिपोर्ट अन्य गौण खनिज रेत को छोड़कर (संशोधित) के अवलोकन करने पर समिति ने पाया कि पन्ना जिले की पुनरीक्षित जिला सर्वेक्षण रिपोर्ट ई-मेल के माध्यम से सेक में दिनांक 19/01/23 को (केवल साफ्ट कॉपी) कार्यालय कलेक्टर, (खनिज शाखा) जिला- पन्ना के पत्र क्र० 84 दिनांक 19/01/23 (परन्तु उल्लेखित पत्र में दिनांक त्रुटि वश 19/01/22 लिखी गयी है) से प्राप्त हुई है, प्रस्तुत संशोधित जिला सर्वेक्षण रिपोर्ट का परीक्षण करने पर यह पाया कि:-

- प्रस्तुत जिला सर्वेक्षण रिपोर्ट के अवलोकन से यह स्पष्ट होता कि यह DSR जिला स्तर पर गठित समिति द्वारा अनुमोदित की गई है तथा इस जिला सर्वेक्षण रिपोर्ट को जिले के पोर्टल पर 21 दिन की अवधि हेतु अपलोड किया गया था एवं निर्धारित अवधि में कोई सुझाव प्राप्त नहीं हुए।
- प्रस्तुत संशोधित जिला सर्वेक्षण रिपोर्ट के चेप्टर – 09 में (पेज न०. 35-99) में फर्शी पत्थर, बोल्टर, गिट्टी, ग्रेनाईट, मुरुम, एम-सेण्ड की जानकारी 16 कॉलमों में समाहित की गयी है, परन्तु कॉलम न०. 09-10 में वांछित जानकारी अधिकांश प्रकरणों में नहीं दी गई है, ना ही इस संबंध में कोई टीप दी गई है। अतः उक्त जानकारी को समावेश करते हुये पुनरिक्षित कर जिला सर्वेक्षण रिपोर्ट जानकारी की संबंधित तालिका (16 बिन्दुओं की) में पुनः प्रस्तुत करें।
- समिति ने जिला सर्वेक्षण रिपोर्ट के परीक्षण के दौरान यह भी पाया कि 16 बिन्दुओं के अंतर्गत प्रदाय खदानों की जानकारी की पुनरावर्ती (Repeat) हो रही है जैसे पेज न०. 54 एवं 55 में दी गई खदानों की जानकारी पेज न०. 70 एवं 78 में Repeat हो रही है। अतः इस तालिका की



Final

कार्यालय कलेक्टर (खनिज शाखा), जिला टीकमगढ़ (म0प्र0)

क्रमांक- 11/खनिज/तीन-06/2022/4502

टीकमगढ़, दिनांक 17/2/2023

प्रति,

✓ सदस्य सचिव,  
राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति  
भोपाल (म0प्र0)

**विषय:-** जिला टीकमगढ़ की 31 गौण खनिजों की जिला सर्वेक्षण रिपोर्ट में आंशिक संसोधन कर पुनः प्रस्तुत करने बाबत।

**संदर्भ:-** 615 वी राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति की बैठक दिनांक 30.12.2022

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उपरोक्त विषय में कार्यालय कलेक्टर (खनिज शाखा) जिला टीकमगढ़ के द्वारा 31 गौण खनिजों की जिला सर्वेक्षण रिपोर्ट कार्यालयीन पत्र क्रमांक 4309 दिनांक 23.12.2022 से अनुमोदन हेतु प्रस्तुत की गयी थी।

615 बी0 राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति भोपाल की बैठक दिनांक 30.12.2022 में दिये गये निर्देश के परिपालन में बिन्दुवार जानकारी निम्नानुसार है:-

1. जिला टीकमगढ़ की रेत, गिट्टी, पत्थर, मुरुम, मिट्टी, ग्रैनाइट एवं 31 गौण खनिज पायरोफिलार्इट/डायस्पोर एवं क्वार्टज की जिला सर्वेक्षण रिपोर्ट जिला स्तर पर गठित समिति के समक्ष दिनांक 12.04.2022 को प्रस्तुत की गयी थी। समिति के द्वारा परिक्षण के उपरांत सहसम्मति से अनुमोदन किया गया। (नोटशीट की छायाप्रति संलग्न)
2. जिला टीकमगढ़ की सर्वेक्षण रिपोर्ट पोर्टल पर दिनांक 19.04.2022 से 21 दिन की अवधि के लिये एन0आई0सी0 के माध्यम से अपलोड की गयी थी। (छायाप्रति संलग्न)
3. चैप्टर 09 में दशार्थी गयी तालिका के कालम नम्बर 09 एवं 10 में पूर्ती कर दी गयी है एवं पायरोफिलार्इट/डायस्पोर 31 गौण खनिजों की सूची के क्रमांक 01, 08, 10, 11, 16, 19 एवं 23 में अंकित खदानों के अक्षांश-देशांश की पूर्ती कर दी गयी हैं।

जिला टीकमगढ़ की 31 गौण खनिजों की जिला सर्वेक्षण रिपोर्ट में उपरोक्तानुसार आवश्यक संसोधन कर पुनः अनुमोदन हेतु सादर प्रेषित है।

**संलग्न:-** उपरोक्तानुसार।

  
खनि अधिकारी

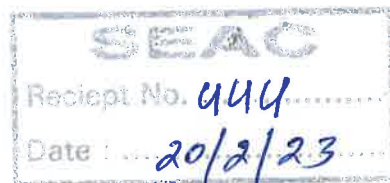
जिला टीकमगढ़ (म0प्र0)

टीकमगढ़, दिनांक 17/2/2023

पृ0क्रमांक- 11/खनिज/तीन-06/2022/4503

**प्रतिलिपि:-**

1. सदस्य सचिव, राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण भोपाल म0प्र0 की ओर सादर सूचनार्थ।
2. संचालक, भौमिकी तथा खनिकर्म म0प्र0 29-ए, 'खनिज भवन' अरेरा हिल्स भोपाल की ओर सूचनार्थ।



  
खनि अधिकारी  
जिला टीकमगढ़ (म0प्र0)

## 18. जिला सर्वेक्षण रिपोर्ट, टीकमगढ़ - 31 गौण खनिजों की (रेत को छोड़कर)

कार्यालय कलेक्टर (खनिज शाखा), के पत्र क्र. 11/खनिज/तीन-06/22/4309 दिनांक 23/12/22 को 31 गौण खनिज की जिला सर्वेक्षण रिपोर्ट अनुमोदन बाबत प्रस्तुत की गयी है। पत्र में उल्लेख है, कि निर्धारित 16 बिन्दु के प्रारूप में जानकारी तैयार की जाकर अन्य 31 गौण खनिज (पायरोफिल्लाइट, डायस्पोर एवं क्वाटर्ज) की जिला सर्वेक्षण रिपोर्ट में आवश्यक संशोधन किया गया है एवं अन्य गौण खनिज ग्रेनाइट की 02 खदाने अनुमोदित डी.एस.आर. में त्रुटिवश छूट जाने के कारण उन्हें 31 गौण खनिज की डी.एस.आर. में जोड़ा गया है।

आज दिनांक 30/12/2022 को जिले की सर्वेक्षण रिपोर्ट - 31 गौण खनिजों (रेत को छोड़कर) का परीक्षण करने पर पाया गया कि:-

1. सेक द्वारा 604वीं बैठक दिनांक 05/11/2022 को टीकमगढ़ जिले की सर्वेक्षण रिपोर्ट (संशोधित)-(अन्य गौण खनिज - रेत को छोड़कर) अनुमोदन हेतु विचारार्थ एवं आगामी कार्यवाही हेतु राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण को प्रेषित की गयी थी। जिसको 'सिया' द्वारा उनकी 757वीं बैठक दिनांक 18/11/2022 को अनुमोदित की गयी थी। अनुमोदित जिला डी.एस.आर. में अन्य गौण खनिज जैसे गिट्टी, मुरुम, मिट्टी, क्ले, ग्रेनाइट आदि शामिल किये गये थे। जबकि वर्तमान में प्रस्तुत कि जा रही डी.एस.आर. में पायरोफिल्लाइट, डायस्पोर एवं क्वाटर्ज खदाने एवं 02 खदाने ग्रेनाइट की जो त्रुटिवश छूट गयी थी का समावेश चेप्टर -9 के पेज नं. 23 से 29 तक की तालिका में किया गया है।
2. पेज क्र. 57-59 में तीन वर्ष 2019-2020, 2020-2021, 2021-2022 के दौरान किये गये वृक्षारोपण की जानकारी प्रजाति-वार प्रस्तुत की गयी है।

घर्षा उपरांत समिति ने पाया कि जो नवीन गौण खनिजों की जिला सर्वेक्षण रिपोर्ट (रेत को छोड़कर) 'सेक' को प्राप्त हुयी हैं उनमें निम्न जानकारी का अभाव है:-

- प्रस्तुत जिला सर्वेक्षण रिपोर्ट के अवलोकन से यह स्पष्ट नहीं होता कि यह DSR जिला स्तर पर गठित समिति द्वारा अनुमोदित की गई है अथवा नहीं। अतः जिला स्तर पर गठित समिति की रिपोर्ट जिसमें सख्त सदस्यों के द्वारा हस्ताक्षर किये गये हैं की प्रति प्रस्तुत करें।
- इस जिला सर्वेक्षण रिपोर्ट को जिले के पोर्टल पर 21 दिन की अवधि हेतु अपलोड किया गया था एवं तत्संबंधी प्राप्त सुझावों एवं आपत्ति का समावेश एवं उनका निराकरण कर लिया गया है, इसका उल्लेख भी नहीं है। अतः इस संबंध में जानकारी प्रस्तुत की जाये।

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### 615वीं राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति की बैठक दिनांक 30 दिसम्बर 2022

- प्रस्तुत डी.एस.आर. के चेप्टर - 09 में दर्शायी गयी तालिका के कॉलम -09 एवं कॉलम 10 में जानकारी निरंक रखी गयी है तथा इसको निरंक रखे जाने का आधार भी स्पष्ट नहीं है तथा कुछ खदानों के डी.एस.आर. में एक ही कोर्डिनेट या कोई भी कोर्डिनेट नहीं दिये गये हैं। अतः इस जानकारी को पूर्ण किया जाये तथा कम से कम चार कोर्डिनेट देना सुनिश्चित करे।

अतएव घर्षा उपरांत समिति की यह अनुशंसा है, कि टीकमगढ़ जिले की जिला सर्वेक्षण रिपोर्ट 31 गौण खनिज (रेत को छोड़कर) समिति की सुझाई गई उपरोक्त अनुशंसाओं के परिपेक्ष्य में संशोधित कर जिला सर्वेक्षण रिपोर्ट पुनः प्रस्तुत की जाये।

(चंद्र मोहन ठाकुर)  
सदस्य सचिव

(डॉ. पी.सी. दुबे)  
अध्यक्ष









कार्यक्रम / विवरण / तिथि / स्थान

## घोषणाएं

शीर्षक	विवरण	Start Date	End Date	फाइल
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श्रद्धांजलि शिरा ११ के अंतर्गत अभियुक्त का प्रकाशन

श्रद्धांजलि शिरा ११ के अंतर्गत अभियुक्त का प्रकाशन

01/02/2022

31/05/2022

फाइल (1 MB)

निविदा सूचना - मुख्यमंत्री कन्या शिवालय/ निवाह योजना-सर्वोच्च विभिन्न राज्यों/ सामग्री प्रदाय किए जाने हेतु

कार्यालय उपसंचालक सामाजिक न्याय एवं निस्वार्थ जन कल्याण जिला टीकमगढ़ - मुख्यमंत्री कन्या शिवालय/निवाह योजना-सर्वोच्च विभिन्न राज्यों/ सामग्री प्रदाय किए जाने हेतु निविदा सूचना

13/05/2022

25/05/2022

फाइल (3 MB)

निविदा आमंत्रण - फटाकेकामे कार्य हेतु

कार्यालय कलेक्टर जिला टीकमगढ़ - जलकामे कार्य हेतु निविदा आमंत्रण

12/05/2022

25/05/2022

फाइल (823 KB)

वाहन क्रियायतें से लगाने हेतु निविदा आमंत्रण

कार्यालय कलेक्टर जिला टीकमगढ़ - वाहन क्रियायतें से लगाने हेतु निविदा आमंत्रण

06/05/2022

17/05/2022

फाइल (2 MB)

जिला सर्वदाया रिपोर्ट (D.S.R)

जिला सर्वदाया रिपोर्ट (D.S.R) स्थानिक विभाग टीकमगढ़

19/04/2022

19/05/2022

फाइल (2 MB)

निविदा सूचना - जिला सहकारी केन्द्रीय बैंक में कारोबार लागू करने हेतु

निविदा सूचना - जिला सहकारी केन्द्रीय बैंक में कारोबार लागू करने हेतु

16/03/2022

23/03/2022

फाइल (173 KB)

T.C.  
Officer  
Tikangarh



जिला सर्वेक्षण रिपोर्ट के परीक्षण एवं अनुमोदन हेतु गठित समिति की बैठक दिनांक 12.04.2022 का कार्यवाही विवरण।

आज दिनांक 12.04.2022 को कार्यालय अनुविभागीय अधिकारी राजस्व टीकमगढ़ में श्रीमान अनुविभागीय अधिकारी राजस्व टीकमगढ़ की अध्यक्षता में जिला सर्वेक्षण रिपोर्ट के परीक्षण एवं अनुमोदन हेतु बैठक का आयोजन किया गया।

बैठक में In Situ Enviro Care द्वारा तैयार की गयी। जिला सर्वेक्षण रिपोर्ट को परीक्षण हेतु गठित समिति के समक्ष परीक्षण हेतु प्रस्तुत की गयी।

बैठक में उपस्थित समिति के सदस्यों द्वारा जिला सर्वेक्षण रिपोर्ट का परीक्षण कर जिला सर्वेक्षण रिपोर्ट का अनुमोदन किया गया।

सही/अस्पष्ट  
सदस्य

1. खनिज अधिकारी  
जिला टीकमगढ़

सही/अस्पष्ट  
सदस्य

2. आर०एन० यादव  
कार्यपालन यंत्री,  
जल संसाधन विभाग  
जिला टीकमगढ़

सही/अस्पष्ट

3. आर०के० अवधिया,  
एस०डी०ओ०  
वन मण्डल, जिला टीकमगढ़

सही/अस्पष्ट  
(अध्यक्ष)

4. सी०पी० पटेल  
अनुविभागीय अधिकारी (राजस्व)  
टीकमगढ़ (म०प्र०)

T.S.  
Mining Officer  
Tikamgarh



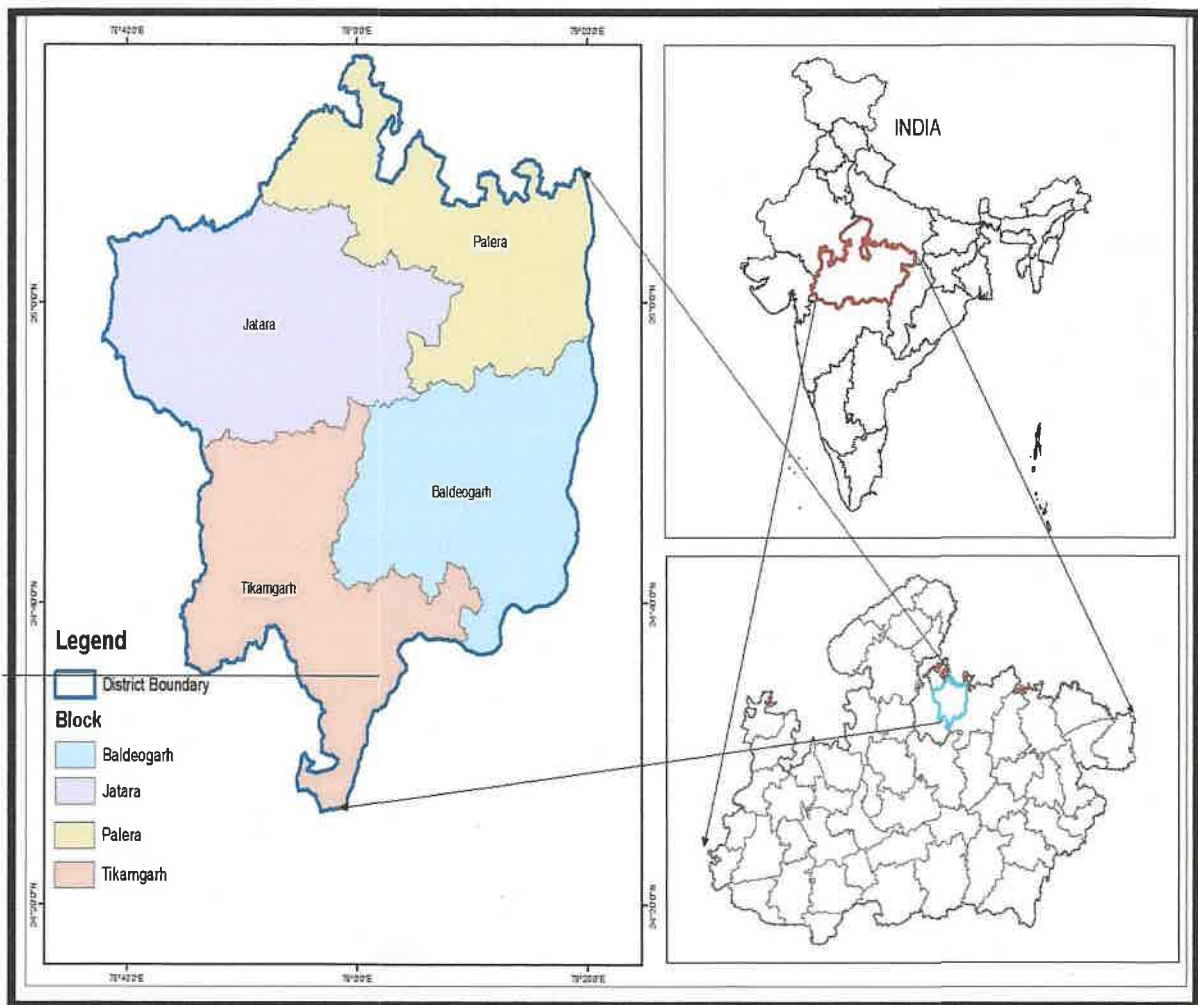
DSR: DISTRICT SURVEY REPORT

FOR 31 MINOR MINERAL MINING

OTHER THAN SAND

DISTRICT – TIKAMGARH

STATE – MADHYA PRADESH




IN PURSUANCE TO THE GAZATTE NOTIFICATION, MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE (MoEF & CC), THE GOVERNMENT OF INDIA NOTIFICATION Dated, 25 July 2018.

*(Signature)*  
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Assessment Authority, M.P.  
(EPCO)  
Paryavaran Dorisar  
C-5, Arera Colony, Bhopal (M.P.)

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# CHAPTER -1

## INTRODUCTION

### **1.1 General:-**

The DSR report is prepared in the light of notification no. S.O. 141(E) New Delhi dated 15<sup>th</sup> January 2016 and revised notification dated 25<sup>th</sup> July 2018. This DSR report is a model and guiding document of available mineral resources, geological setup, environmental and ecological setup of the district. River channels and their floodplains and replenishment study of rivers are important sources of construction grade aggregate materials like sand and gravel. Tikamgarh district lies in the northern part of Madhya Pradesh. The early history of Tikamgarh district is however not chronicled, though as suggested by the numerous ruins of buildings and other old remains lies scattered at various places, viz Barana, Lidhaura, Digora, Mohangarg, Baldeogarh and Tikamgarh, it must be having a glorious past.

The district was the part of vast empires successively ruled by the Mauryas, the Sungas and the imperial Guptas. It was in the first quarter of ninth century A.D., that Mannuka founded a new dynasty the Chandel dynasty in this area. Tikamgarh alongwith Khajuraho and Mahoba formed part of extensive Chandel Kingdom.

The Khangras also held this region specially around Garh Kunder. The rising power of Bundelas in this region resulted into the downfall of the Khangras. The Orchha records trace the descent of the Bundela Kingdom of Orchha from Garh Kunder chiefs of Benaras Hemkaran, also known as Pancham Bundela.

### ***General Features***

**Table 1 Administrative Setup of the District**

<b>District</b>	<b>BLOCKS</b>	<b>TEHSIL</b>
Tikamgarh	Baldeogarh	Tikamgarh
	Jatara	Jatara
	Tikamgarh	Mohangarh
	Palera	Lidhora
		Baldeogarh
		Khargapur
		Palera
<b>Total</b>	<b>4</b>	<b>7</b>

*Location of the District*

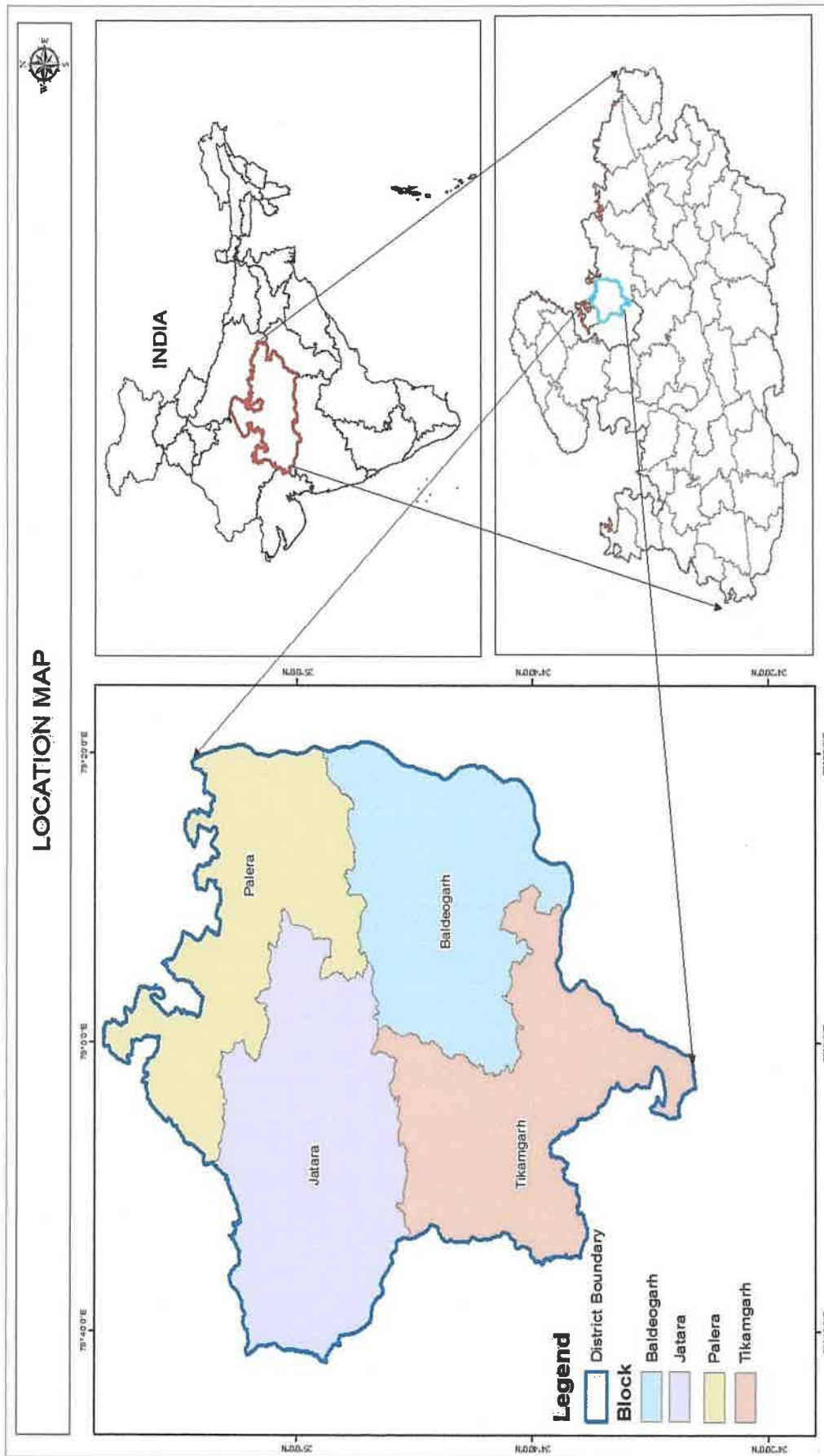
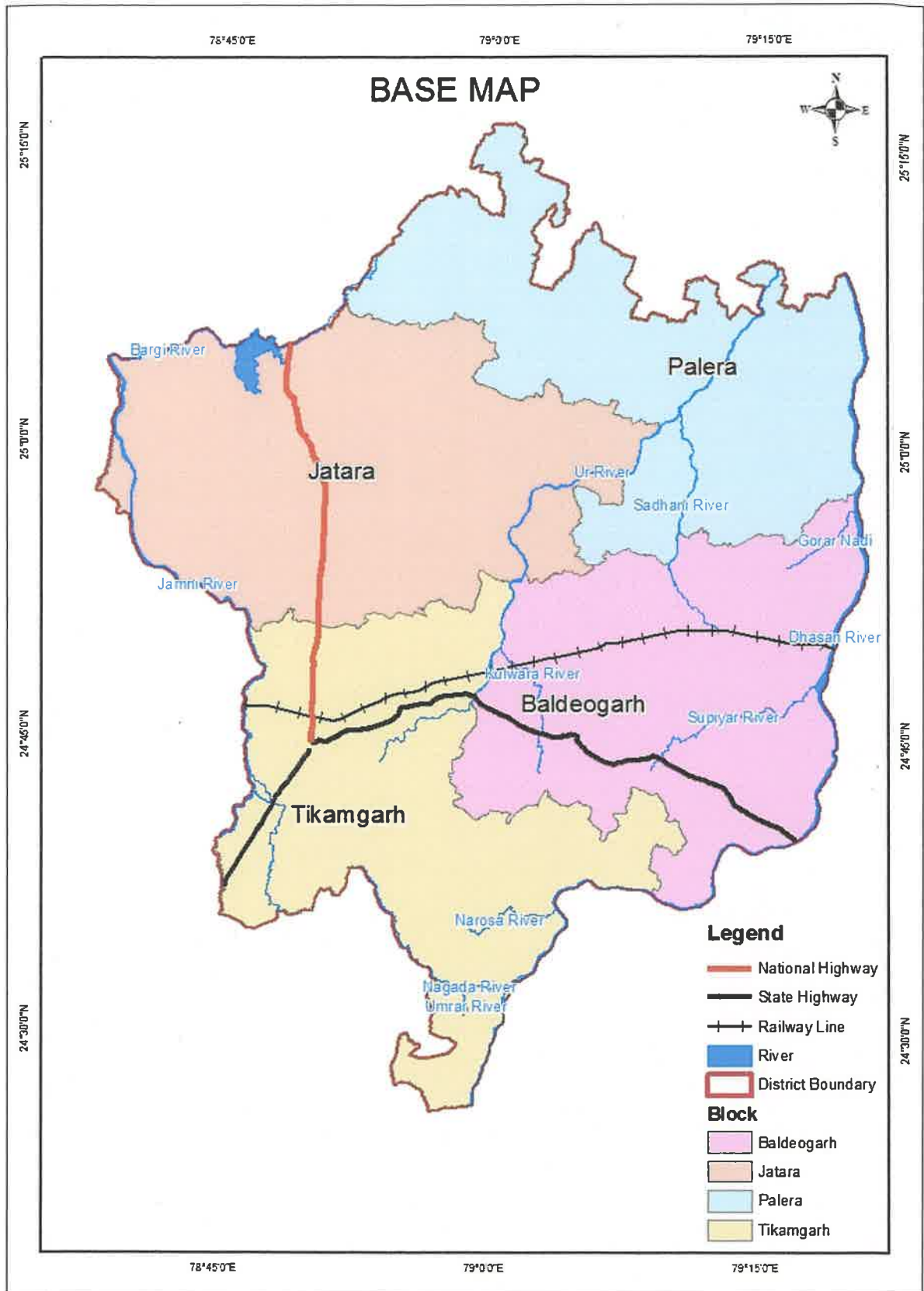


Figure 1 Location Map of the District





**Figure 2 Base Map of the District**

  
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## CHAPTER -2

### Overview of Mining Activity in the District

Table 2 Mineral Production in the District

Sr. No.	Mineral	Production in tones
<b>Minor Mineral</b>		
1.	Pyrophyllite	962906 Tones
2.	Diaspore	2151 Tones
3.	Quartz	15052 Tones
4.	Gitti	630165.9 Cubic Meter
5.	Murum	9164 Cubic Meter
6.	Mitti	782.32 Cubic Meter

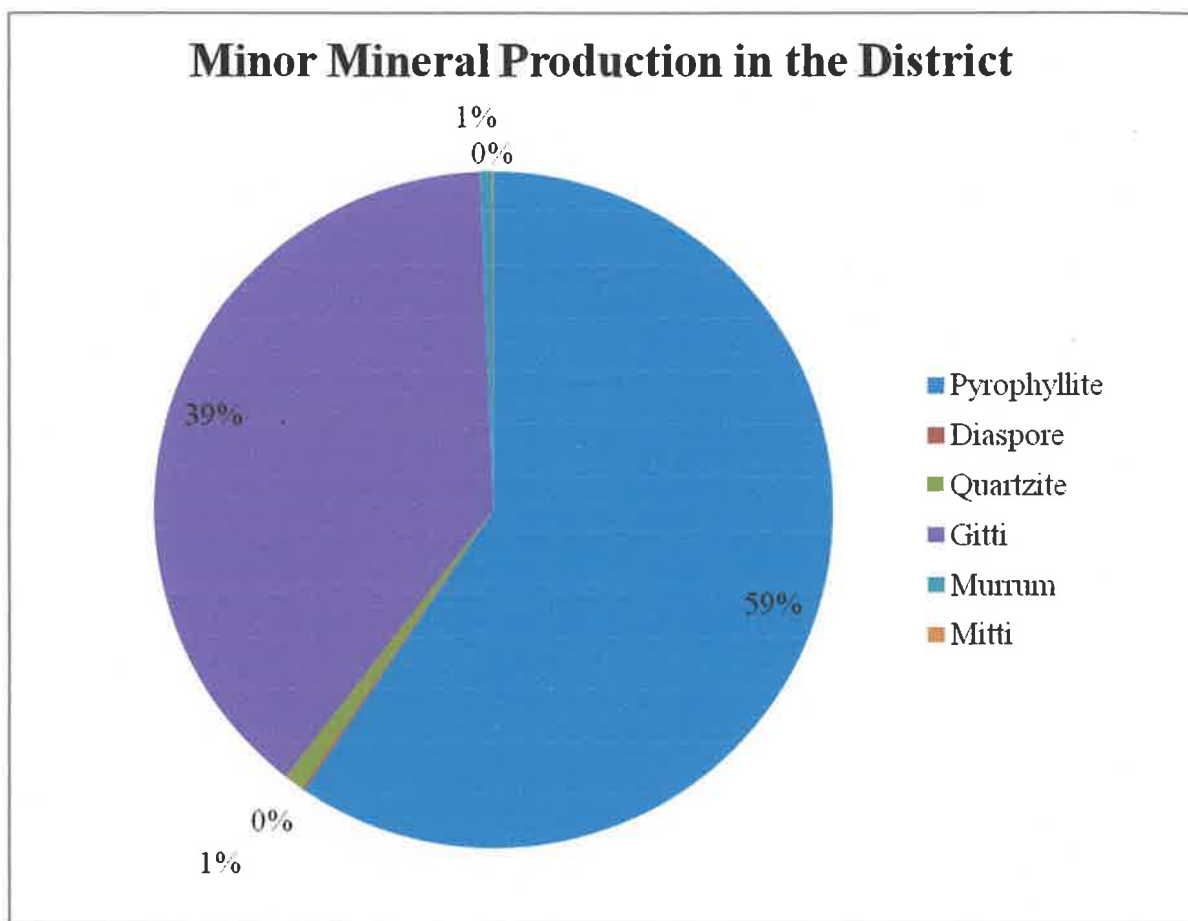



Figure 3 Minor Mineral Production in the District

  
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**CHAPTER - 3**  
**GENERAL PROFILE OF THE DISTRICT**

<b>1. Geographical Position</b>	The Tikamgarh District encompassing an area of 3878 Km Coordinates of 24°26'; 25°40' North Latitudes and 78°26'; 79°26' East longitudes falling in toposheets No. 54 K, 54 P, 54 O and 54 L.
<b>2. Area and Population</b>	<p>I. Geographical Area (Sq.Km)</p> <p style="padding-left: 40px;">Total Area (Sq.Km): 3878 Km<sup>2</sup></p> <p>II. CENSUS 2011 (Included Niwari)</p> <p>I. Population</p> <p style="padding-left: 40px;">a. Total Population: 1,445,166</p> <p style="padding-left: 40px;">b. Male Population: 760,355</p> <p style="padding-left: 40px;">c. Female Population: 684,811</p> <p>II. Literates</p> <p style="padding-left: 40px;">a. Total Literates: 747,940</p> <p style="padding-left: 40px;">b. Male: 459,353</p> <p style="padding-left: 40px;">c. Female: 288,587</p> <p>III. Main Workers (Census 2011)</p> <p style="padding-left: 40px;">a. Total Workers: 470,432</p> <p style="padding-left: 40px;">b. Male Workers: 335,876</p> <p style="padding-left: 40px;">c. Female Workers: 134,556</p> <p style="padding-left: 40px;">d. Cultivators: 305,859</p> <p style="padding-left: 40px;">e. Agricultural Labourers: 223,852</p> <p style="padding-left: 40px;">f. Other Workers: 109,985</p> <p>V. Languages Spoken in the District</p>

	The main language spoken in the district is Bundeli, followed by Hindi.
<b>3. Temperature</b>	Mean- Maximum temperature: 32.4°C Mean- Minimum temperature: 17.5°C
<b>4. Rainfall (In mm)</b>	Normal – South West Monsoon:971.5mm Annual Rainfall: 1057.1mm
<b>5.Agriculture (Including revenue Niwari)</b>	a. Total Cultivable Area (Ha):292.2 b. Net Area Sown (Ha): 208.8 c. Area Sown more than once (Ha): 92.2
<b>6.Rivers, etc.</b>	Narmada, Goi, Kharka, Deb and Tapti
<b>7. Revenue Administrative Divisions</b>	Revenue Divisions: a. Revenue Tehsils: 7 b. Revenue Villages: 682
<b>8. Local Bodies</b>	a. Municipalities: 1 b. Town Panchayats:8

  
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## Census Data 2011

Table 3 Census Data for year 2011 (Including Niwari)

Description	2011
Actual Population	14,45,166
Male	7,60,355
Female	6,84,811
Population Growth	20.13%
Area Sq. km.	5,048
Density/KM <sup>2</sup>	286
Proportion to population of Madhya Pradesh	1.99%
Sex Ratio (Per 1000)	901
Child Sex Ratio (0-6 Age)	892
Average Literacy	61.43
Male Literacy	71.77
Female Literacy	49.97
Total Child Population (0-6 Age)	2,27,564
Male Population (0-6 Age)	1,20,303
Female Population (0-6 Age)	1,07,261
Literates	7,47,940
Male Literates	4,59,353
Female Literates	2,88,587
Child Proportion (0-6 Age)	15.75%
Boys Proportion (0-6 Age)	15.82%
Girls Proportion (0-6 Age)	15.66%

**CHAPTER - 4**  
**GEOLOGY OF THE DISTRICT**

**Regional Geology:** (Source: DRM): Tikamgarh district forms parts of the southeastern portion of the Bundelkhand upland. The general slope of the ground is towards north. Geomorphologically Tikamgarh district is a plain country with some clusters of small hills in the northern and southern parts. Long, linear and narrow quartz reefs and dolerite dykes form ridges in an otherwise plain country. The tributaries of Dhasan and Jamni rivers drain the district.

Granite rocks, gneisses, migmatites and intrusive belonging to the Bundelkhand Gneissic complex occupy almost the entire area of Tikamgarh. The different lithounits of this complex exposed in the Tikamgarh district area a variety of medium to coarse grained granites, some being porphyritic, medium grained and fine grained non porphyritic pink coloured leuco-granites, migmatites and undifferentiated gneisses. The granites contain enclaves of Metabasites (Amphibolites) and metasediments comprising mica schist, BHQ, amphibolites-sillimanite hornfels, phyllites and granulites. Large number of NW-SE trending dolerite dykes traverses the granites. Minor outcrops of ferruginous sandstone, quartzite and phyllite of Bijawar Group of Paleo-Proterozoic age occur to the NW of Pirthipur village.

Asbestos veins, barites, clay and galena have been reported from the district. Occurrence of copper ores in the forms of chalcopyrite with associated pyrite has been noticed in coarse – grained granites around Mazra, Bhimaura, Ahar and Raktai. Polymetallic ores in the form of sulphides of copper, zinc, lead, nickel and cobalt have been noticed in the Bundelkhand Gneissic complex near Bangawan. A deposit of pyrophyllite and diaspore occurs at Sarkana. Minor occurrences of pyrophyllite and diaspore are found at Nandawara, Lalwari, Rajpura, Dhaura, Baragaon and Putna. Besides these minerals, Tikamgarh district has a number of potential areas for dimension stones

**REFERENCE [A] DRM MAP GSI & web site of MP Govt**

**E X P L A N A T I O N**

LITHOLOGY	STRATIGRAPHIC STATUS	AGE	NATURE AND CHARACTERISTICS
Sand/alluvium	Quaternary	PLEISTOCENE TO RECENT	Loose sand, alluvium and clay
Sandstone/ phyllite	Bijawar Group	PALAEO-PROTEROZOIC	Brownish white, fine to medium grained, ferruginous, hard and massive/greenish, pinkish grey, fine grained, soft and flaky
Quartz Reefs/ Basic dykes	Bundelkhand Gneissic Complex	ARCHAEAN	White to dirty white, fine grained, hard, massive/ dark grey, greenish grey, fine to medium grained, hard rock
Granite-aplitic			Pink, fine grained, massive, aplitic granite
Granite			Pink, medium to coarse grained, porphyritic, hard and massive
Migmatite			Light grey to dark grey, fine grained banded and foliated rock
Metabasite (amphibolite)			Dark greenish grey, fine to medium grained, foliated, amphibole rich rock
Unclassified granite and granite gneisses/ Metasediments			Pink/pinkish grey, medium to coarse grained, massive, foliated rock, sheared at places.

  
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## CHAPTER – 5

### DRAINAGE OF IRRIGATION PATTERN

**Drainage:** The entire district comes under Betwa sub-basin of Ganga basin. Jamni, Bagri, and Betwa are the major rivers draining in the district area and ultimately join in the north with Betwa River. Jamni are Perennial Rivers whereas Ur, Bagri, Gorar are ephemeral rivers. The overall drainage pattern in the district is dendritic.

**Betwa basin:** Most of the region in this basin comprises of the Niwari block which makes the north western part of the district. It comprises of sub basins of two rivers namely Betwa and Jamni. The Bundelkhand plateau starts from the northern part of this basin. This river touches the boundary of the district at Badora village and flows along the boundary of the district for almost 14 kms, before flowing into the Tikamgarh district and re-entering Jhansi tehsil at Banguan village. In the district, this river has been dammed at Dhukuwa and Parischa tributaries of Betwa: Besides Dhasan, some minor streams flowing from the hills of Moth, Jhansi and Mau-Ranipur tehsils form the tributaries of the Betwa River. An important stream is the Barwa which has been dammed to form Barwa Sagar Lake in the district.

**Jamni basin:** This is a tributary of Betwa River, which flows across on the western boundary of the district that forms the natural boundary of the district. The shape of this basin is in a form of strip which runs along the western boundary. The mean height of this region varies from 300 to 400 meters above mean sea level. At some places it is more than 400 m amsl.

  
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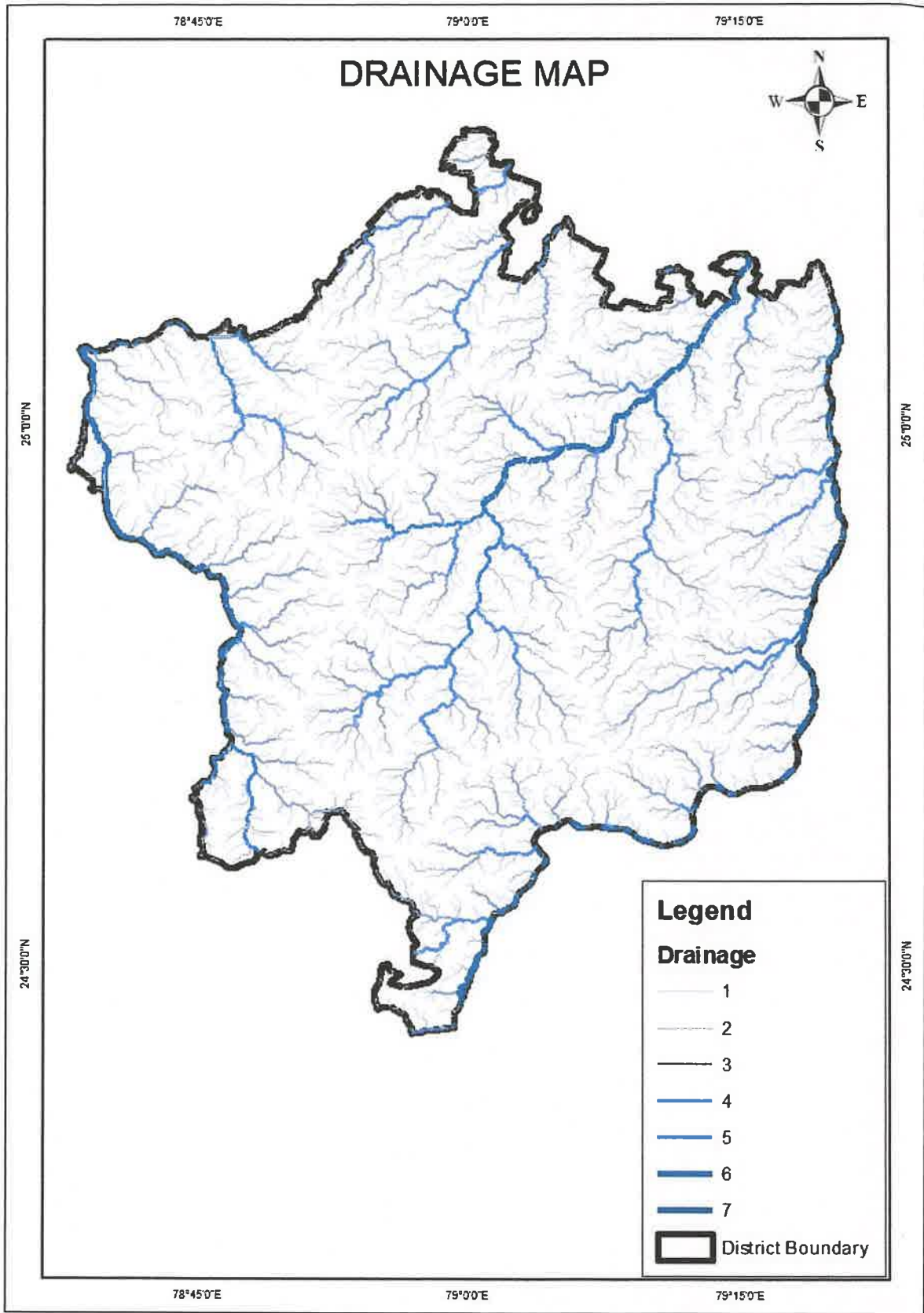


## **Drainage Pattern**


The District lies in the Ganga Drainage system. The Betwa flows along its north-western boundary. The Dhasan, one of its right bank tributaries and a big stream itself, mark the eastern boundary of the district. Both these rivers flow towards the north-east. The natural drainage of the district is diverted in the opposite directions into these rivers, the Dhasan sharing about 75 percent of the waters of the district. The tributaries of the Betwa flowing in the Tikamgarh district are Jamni, Bagri and Barua.

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

  
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**Figure 4 Drainage Map of the**

  
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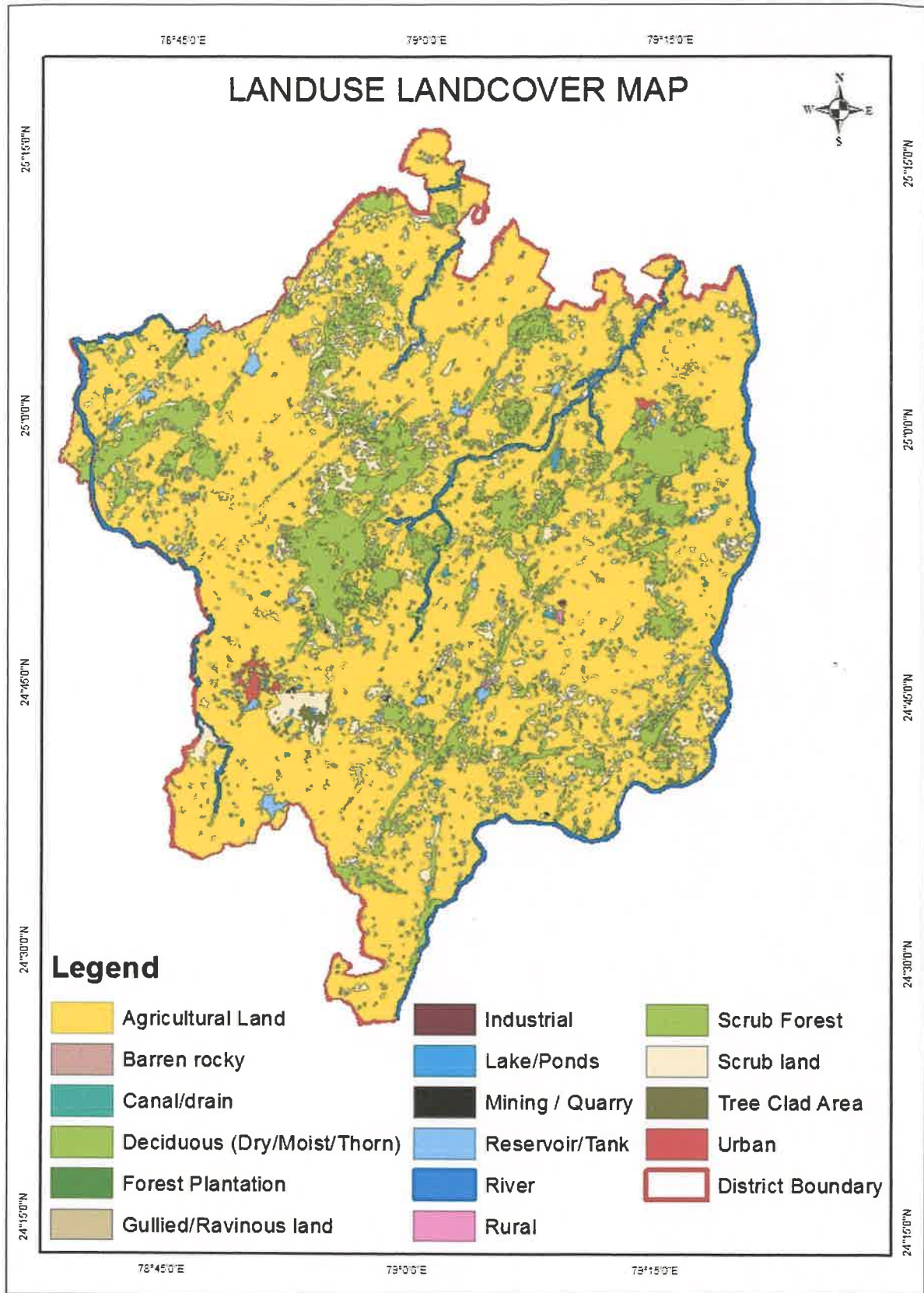
## CHAPTER -6

### LAND UTILIZATION PATTERN OF THE DISTRICT FOREST, AGRICULTURE, HORTICULTURE

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

**Table 4 Land Use Pattern of the Study Area**

Sr. No.	Class	Area in Ha.	Percentage of coverage
1	Agricultural Plantation	86	0.02 %
2	Agricultural Land	2,75,558	74.37 %
3	Deciduous (Dry/Moist/Thorn)	37,664	10.16 %
4	Agricultural Land	370	0.10 %
5	Gullied/Ravenous land	174	0.05 %
6	Industrial	69	0.02 %
7	Lake/Ponds	3,181	0.86 %
8	Mining / Quarry	292	0.08 %
9	Reservoir/Tank	3,040	0.82 %
10	River	3,346	0.90 %
11	Rural	4,294	1.16 %
12	Scrub Forest	9,006	2.43 %
13	Scrub land	31,812	8.59 %
14	Tree Clad Area	651	0.18 %
15	Urban	985	0.27 %
	<b>Total</b>	<b>3,70,528</b>	<b>100 %</b>



**Figure 5 Land Use and Land Cover Map of the District**

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## LULC Breakup of the District (%)

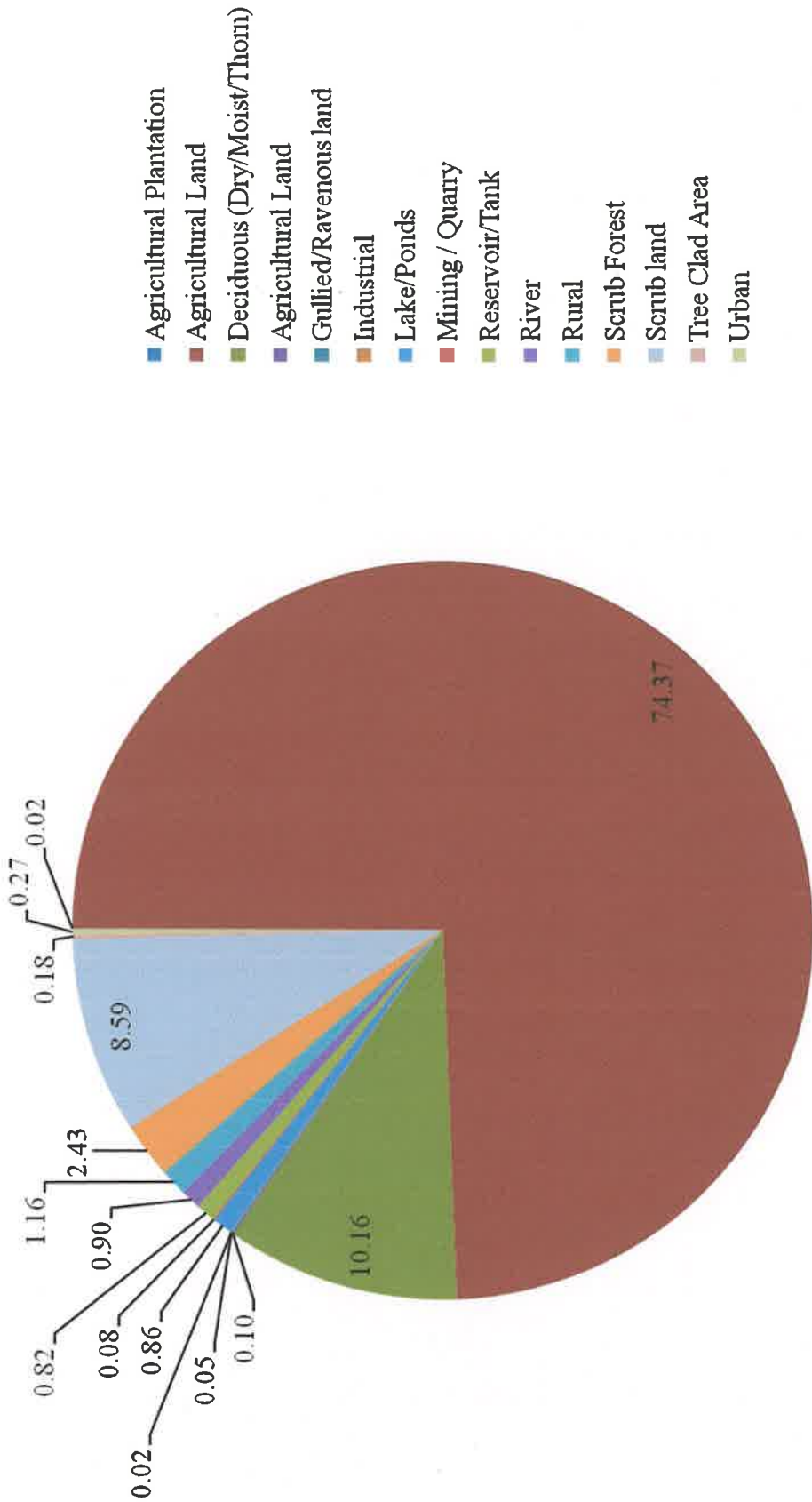


Figure 6 Land Use and Land Cover Breakup of the District

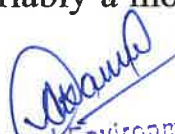
**CHAPTER - 7**  
**SURFACE WATER AND GROUND WATER SCENARIO OF THE**  
**DISTRICT**

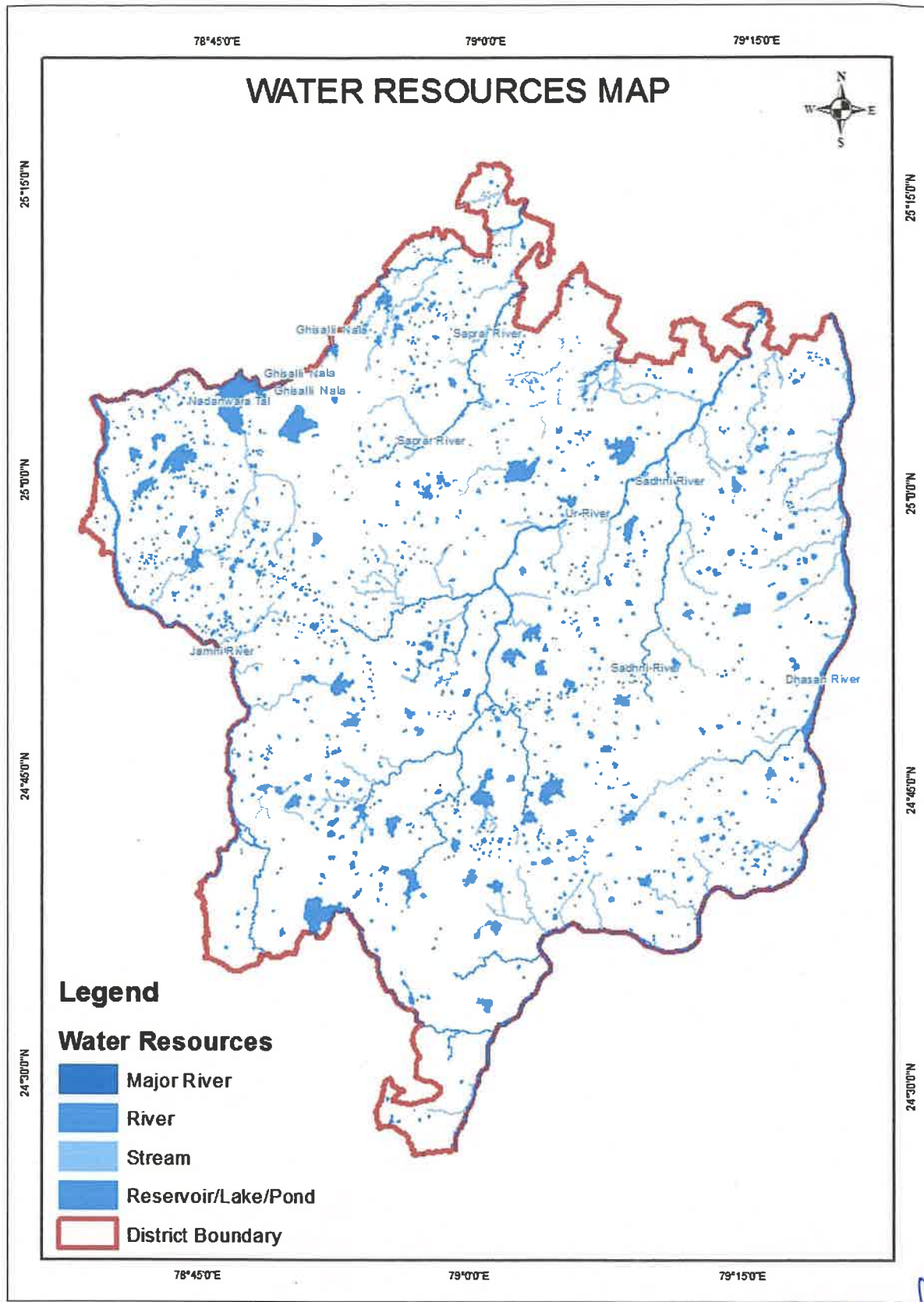
**7.1 Surface Water and Ground Water**

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.


The pre-monsoon depth to water level in the district ranges between 4.13 m bgl and 18.50m bgl. Major part of the district have water level in the range of 4- 12m bgl during the pre monsoon. During post-monsoon period, water level varies from 2.94m bgl to 15.17m bgl. In major part of the district, water level is less than 10 m bgl. Long term trend analyses of Groundwater level data of pre-monsoon period indicate that there is declining trend in the range of 0.0018 - 0.27 m/yr.

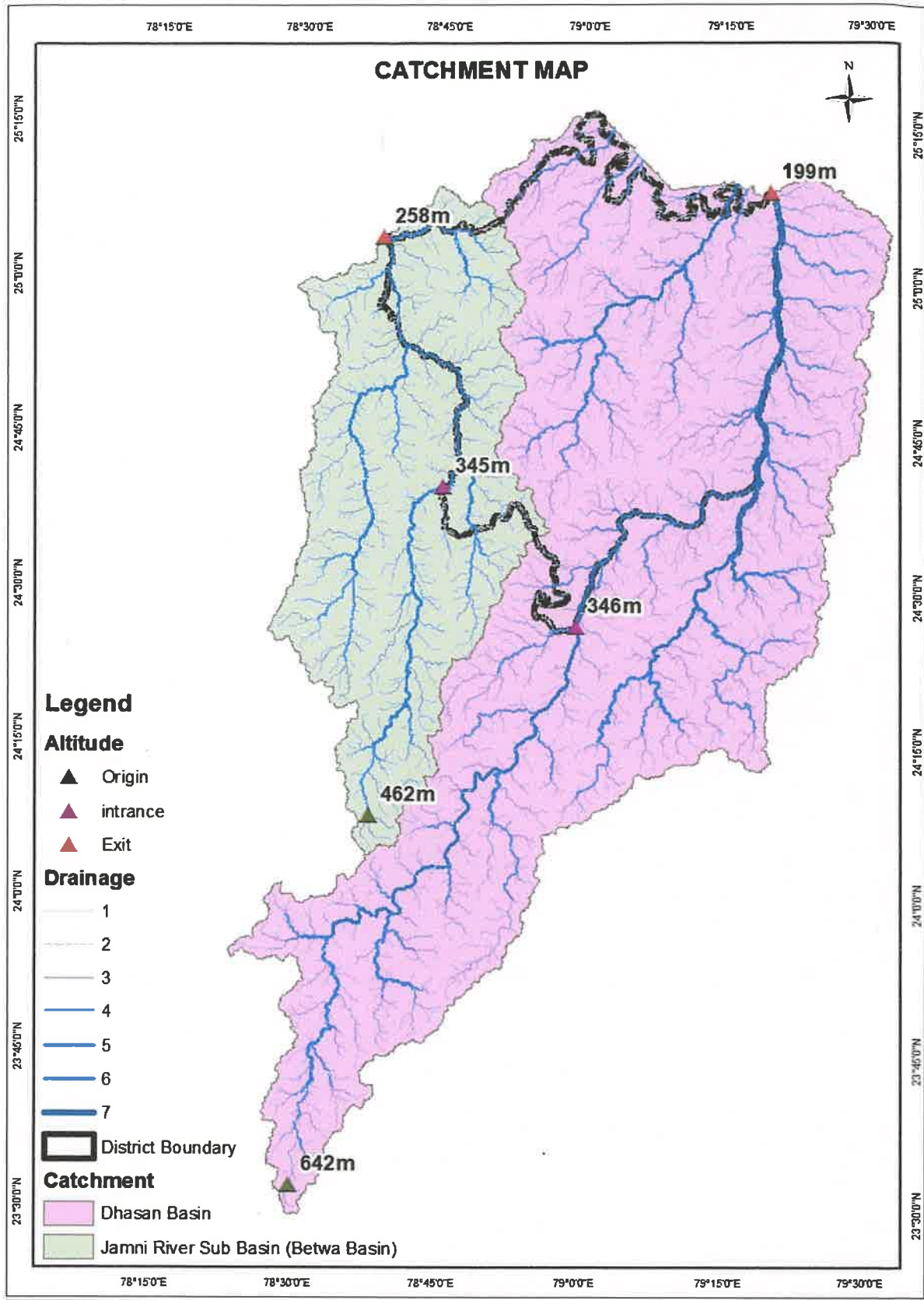
According to the settlement records, there were 962 tanks constructed during the Chandela period. Most of which were small with low bunds. Out of these tanks 125 tanks were used for tank-bed cultivation. The number of tanks over the years has now been reduced to 421. However, several tanks are of considerable size, particularly those at Baldeogarh, Bamhauri Barana, Lidhoura, 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 resorts of the rulers. Their adaptation for irrigation is invariably a modern development

  
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**Figure 7 Water Resources Map of the District**

  
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**Figure 8 Catchment Map**

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**Table 5 Details of Catchment Area**

Sr. No.	Properties	Dhasan River Sub Basin	Jamni River Sub Basin (Betwa River Basin)
1	Catchment Area up to Exit spot of Particular District	8,660 sq. km	3,305 sq. km
2	Catchment Area of Particular District	2,913 sq. km	818 sq. km
3	Length of the Catchment Area	198 km	111 km
4	Length of the Catchment Area of Particular District	85 km	55 km
5	Altitude at Origin of the River	642 m	462 m
6	Altitude at Entrance of the Particular District	346 m	345 m
7	Altitude at Exit of the Particular District	199 m	258 m

  
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## CHAPTER - 8

### RAINFALL OF THE DISTRICT AND CLIMATIC CONDITION

The normal annual rainfall of Tikamgarh district is 1057.1 mm. Tikamgarh District received maximum rainfall received during southwest monsoon period i.e. June to September. About 90.3% of the annual rainfall received during monsoon season. Only 9.7% of the annual rainfall takes place between October to May period. Thus, surplus water for ground water recharge is available only during the southwest monsoon period.

#### **Climatic Conditions**

The Climate of Tikamgarh district, M.P. characterized by a hot summer and general dryness except during the southwest monsoon season. The year may be divided into four seasons. The cold season, December to February is followed by the hot season from March to about the middle of June. The period from the middle of June to September is the southwest monsoon. October and November form the post monsoon or transition period.

The normal maximum temperature received during the month of May is 41.8°C and minimum during the month of January is 7.0°C. The normal annual mean maximum and minimum temperature of Tikamgarh district is 32.4°C and 17.5°C respectively.

During the southwest monsoon season the relative humidity generally exceeds 87% (August month). In the rest of the year it is drier. The driest part of the year is the summer season, when relative humidity is less 35%. May is the driest month of the year. The wind velocity is higher during the pre monsoon period as compared to post monsoon period. The maximum wind velocity 9.3 km/hr observed during the month of June and minimum 3.0 km/hr during the month of December. The average normal annual wind velocity of Tikamgarh district is 5.6 km/hr.

## Month wise Rainfall of Tikamgarh District

**Table 6 Month wise Rainfall of the District**

S. No.	Month	Rainfall in mm
		June 2021 to May 2022
1	June	102.0
2	July	185.6
3	August	297.8
4	September	161.4
5	October	32.9
6	November	0.0
7	December	1.3
8	January	35.9
9	February	0.0
10	March	0.0
11	April	0.0
12	May	7.4

  
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**CHAPTER -9**

**THE LIST OF MINING LEASES IN THE DISTRICT WITH LOCATION,  
AREA AND PERIOD OF VALIDITY)**

**LIST ATTACHED**

  
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S.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 (1st/2nd renewal)		Date of commencement of Mining Operation	Status (Working / Non Working/ Temp. Working for Dispatch etc.)	Captive / Non Captive	Obtained Environment 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)
						From	To	From	To						
1						7	8	9	10	11	12	13	14	15	16
1	<b>Pyrophyllite, Diaspore,</b>	ARUN KUMAR KHARE-SHRI PREMCHAN D JAIN	NEAR HANUMAN TORIYA CHHATARPUR DISTT. CHHATARPUR M.P.	Lease Order No. : F-3-13/2000/12/1, Lease Order Date : 19/04/2002	Tehsil : BALDHEVAGADH-Village : GUJARAATHANAKHAAS-Khasara No. : 34/39-Plot No. :- Area :15,000, Total Area: 15,000	22/11/2002-	21/11/2022			Date of possession of Lease	Non Working	Non Captive	-	24°42'5.53"N 24°42'13.97"N 24°42'17.11"N 24°42'21.43"N 24°42'20.49"N 24°42'17.89"N 24°42'17.43"N 24°42'9.06"N 24°42'6.60"N 24°42'5.94"N 24°42'5.02"N	Opencast
2	<b>Pyrophyllite, Diaspore,</b>	ARVIND SINGH-SHRI LAKHAN SINGH	NEAR RAJMAHAL TIKANGARH HALL NIBASI H. 2/2BEERANGNA NAGAR DISTT. JHANSI U.P.	Lease Order No. : 114, Lease Order Date : 08/02/2016	Tehsil : JATHARA-Village : KUNVARAPURAA-Khasara No. : 1/1/1, 1/1/2, 1/1KA- Plot No. :- Area :4,800, Total Area: 4,800	28/11/1994-	27/11/2044			Date of possession of Lease	Working	Non Captive	175 / 10-04-2018	N 24°57'47.77" N 24°57'48.63" N 24°57'55.06" N 24°57'57.24" N 24°57'57.89" N 24°57'57.33" N 24°57'56.07" N 24°57'53.02" N 24°57'55.66" N 24°57'55.66" N 24°57'52.46" N 24°57'50.01"	Opencast

  
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3	Quartz,	CHHOTI DEVI I I KE PASS, TIKAMGARH, DIST TIKAMGARH M.P.	Lease Order No. : 663, Lease Order Date: 29/06/2016	Tehsil : TIKAMAGADH- Village : DHARAGUNVA- Khasara No. : 993/2- Plot No. :- Area :12.000, Total Area: 12.000	22/09/1995- 21/09/2045		Date of possession of Lease	Working	Non Captive	4728-31 / 04-06-2020	N 24°36'52.79" N 24°36'56.18" N 24°36'59.31" N 24°37'02.85" N 24°37'05.91" N 24°37'09.12" N 24°37'12.28" N 24°37'15.75" N 24°37'18.79" N 24°37'47.33" N 24°37'43.75" N 24°37'10.97" N 24°37'10.14" N 24°37'06.48" N 24°37'03.26"	E 79° 01'12.50 " E 79° 01'12.95 " E 79° 01'13.59 " E 79° 01'14.12 " E 79° 01'14.53 " E 79° 01'15.26 " E 79° 01'15.70 " E 79° 01'16.48 " E 79° 01'17.18 " E 79° 01'22.40 " E 79° 01'21.47 " E 79° 01'20.95 " E 79° 01'20.77 " E 79° 01'20.00 " E 79° 01'19.50 " E 79°	Opencast
4	Pyrophyllite, Diaspore,	DEVENDRA MINERALS PRO. S.B.MISHRA	Lease Order No. : 3- 49/2003/12/1, Lease Order Date: 02/11/2004	Tehsil : JATHARA- Village : MADDAKHERAA- Khasara No. : 18- Plot No. :- Area :5.475, Total Area: 5.475	27/08/2004- 26/08/2024		Date of possession of Lease	Working	Non Captive	57 / 07-04-2018	N 24°52' 28.7" N 24°52' 21.1" N 24°52' 20.5" N 24°52' 15.9" N 24°52' 19.1- N 24° 52' 23.1" N 24° 52' 27.3" N 24° 52' 31.3"	78°46' 50.7" E 78°46' 46.2" E 78°46' 43.0" E 78°46' 39.3" E 78°46' 38.4"E 78°46' 40.9" E 78°46' 44.0" E 78°46' 45.8"E	Opencast
5	Pyrophyllite, Diaspore,	SMT. KOSVLA DEVI W/O SHRI. MANVENDR A.SINGH	Lease Order No. : 2- 297/94/12/1, Lease Order Date: 03/09/1997	Tehsil : JATHARA- Village : KHERAA- Khasara No. : 806/780- Plot No. :- Area :2.157, Total Area: 2.157	27/10/1997- 26/10/2017		Date of possession of Lease	Non Working	Non Captive		24°53'24.42"N 24°53'25.44"N 24°53'26.38"N 24°53'28.96"N 24°53'33.86"N 24°53'32.53"N 24°53'31.33"N 24°53'30.19"N 24°53'26.73"N 24°53'25.93"N 24°53'25.46"N	78°48'4.90"E 78°48'4.46"E 78°48'4.52"E 78°48'7.98"E 78°48'12.77"E 78°48'13.61"E 78°48'12.92"E 78°48'9.42"E 78°48'8.97"E 78°48'9.01"E 78°48'9.89"E	Opencast
6	Pyrophyllite, Diaspore,	EASTERN MINERALS- SHRI P C JAIN	Lease Order No. : 292/106/2008/ 12/1, Lease Order Date: 16/01/2006	Tehsil : JATHARA- Village : KHERAA- Khasara No. : 1354/230/1/230/2- Plot No. :- Area :6.171, Total Area: 6.171	23/05/2007- 22/05/2027		Date of possession of Lease	Working	Non Captive	5170 / 12-03-2020	N 24°52 '41.24 " N N 24°52 44.92 " N 24°52 '45.98 " N 24°52 '46.63 " N 24°52 '47.42 " N 24°52 '48.81 " N 24°52 '50.73 " N 24°52 '51.63 " N 24°52 '52.41 " N 24°52 '48.43 " N 24°52 '44.42 " N 24°52 '43.77 " N	E - 78° 47' 34.84 " E - 78° 47' 35.77 " E - 78° 47' 36.34 " E - 78° 47' 38.55 " E - 78° 47' 38.72 " E - 78° 47' 39.31 " E - 78° 47' 40.24 " E - 78° 47' 42.26 " E - 78° 47' 43.62 " E - 78° 47' 46.95 " E - 78° 47' 42.31 " E - 78° 47' 42.08 " E -	Opencast

  
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10	Pyrophyllite, Diaspore,	HARENDRA PRATAP SINGH-SHRI MAHIPAL SINGH	FOURTH KHARGAPUR TIKAMGARH DISTT. TIKAMGARH M.P.	Lease Order No. : 3-36/93/12/1, Lease Order Date : 20/05/1998	Tehsil : JATHARA-Village : NANDHANAVARA KHAAS-Khasara No. : 19,19/1,179- Plot No. :- Area :3.482, Total Area: 3.482	05/08/1998 - 04/09/2018			Non Working	Non Captive		25° 4' 12.70" N 25° 4' 12.51" N 25° 3' 58.67" N 25° 3' 58.14" N 25° 3' 57.53" N 25° 3' 55.09" N 25° 3' 57.08" N 25° 3' 57.90" N	78° 45' 15.78" E 78° 45' 17.81" E 78° 45' 18.18" E 78° 45' 18.69" E 78° 45' 21.26" E 78° 45' 21.40" E 78° 45' 16.45" E 78° 45' 15.98" E	Opencast
11	Pyrophyllite, Diaspore,	KUSUM LATA BHATNAGAR-SHRI R-SHRI ADITYA BHATNAGAR	NEAR M.P.E.B. OFFICE BHATNAGAR COLONEYTIKAMGARH DISTT. TIKAMGARH	Lease Order No. : 3-177/91/12/6, Lease Order Date : 08/11/1994	Tehsil : BALDHEVAGADH-Village : AHAR-Khasara No. : 478/6- Plot No. :- Area :3.642, Total Area: 3.642	26/07/1995 - 25/07/2015			Non Working	Non Captive		24° 43' 55.19" N 24° 43' 57.63" N 24° 43' 52.61" N 24° 43' 48.53" N 24° 43' 51.48" N	78° 59' 16.26" E 78° 59' 23.77" E 78° 59' 23.71" E 78° 59' 23.71" E 78° 59' 19.28" E	Opencast
12	Pyrophyllite, Diaspore,	LATA MISHRA-SHRI PRABHAKAR MISHRA	NEAR INDIORE STATE BANK TIKAMGARH DISTT. TIKAMGARH	Lease Order No. : 3-348/86/12/6, Lease Order Date : 12/03/1987	Tehsil : JATHARA-Village : NANDHANAVARA KHAAS-Khasara No. : 1,3,10]- Plot No. :- Area :8.640, Total Area: 8.640	04/06/1987 - 03/06/2037			Working	Non Captive	7271/ 22-01-2022	N25° 04 ' 24.1 " N 25 ° 04 ' 26.9" N N25 04 ' 29.8 " N 25 ° 04 ' 28.7 " N N25° 04 ' 35.19 " N 25° 04 ' 35.75" N N25° 04 ' 34.44 " N N25° 04 ' 34.00 " N 25° 04 ' 34.86" N 25 ° 04 ' 32.67" N 25 ° 04 ' 32.40" N 25° 04 ' 29.8 " N 25° 04 ' 24.47" N 25° 04 ' 25.1 " N 25° 04 ' 21.2 " N 25° 04 ' 20.6 " N 25 ° 04 ' 16.08" N 25° 04 ' 12.99" N 25 ° 04 ' 09.55" N 25° 04 ' 06.63" N 25° 04 ' 08.83 " N 25 ° 04 ' 11.71" N	E - 78 ° 45 ' 08.0 " N E - 78 ° 45 ' 09.9 " N E - 78 ° 45 ' 11.1 " N E - 78 ° 45 ' 11.43 " N E - 78 ° 45 ' 12.15 " N E - 78 ° 45 ' 15.15 " N E - 78 ° 45 ' 17.34 " N E - 78 ° 45 ' 14.94 " N E - 78 ° 45 ' 13.56 " N E - 78 ° 45 ' 12.89 " N E - 78 ° 45 ' 11.51 " N E - 78 ° 45 ' 11.4 " N E - 78 ° 45 ' 13.49 " N E - 78 ° 45 ' 12.3 " N E - 78 ° 45 ' 11.05 " N E - 78 ° 45 ' 09.4 " N E - 78 ° 45 ' 07.74 " N E - 78 ° 45 ' 06.57 " N E - 78 ° 45 ' 05.44 " N E - 78 ° 45 ' 03.68 " N E - 78 ° 44 ' 01.49 " N E - 78 ° 44 ' 59.44 " N	Opencast
13	Pyrophyllite,	M P STATE MINING CORPORATI ON BHOPAL	SUB OFFICE, TIKAMGARH M P	Lease Order No. : 3-85/97/12/1, Lease Order Date : 30/07/1999	Tehsil : TIKAMAGADH-Village : KAARI KHAAS-Khasara No. : 48 Forest- Plot No. :- Area :5.000, Total Area: 5.000	20/09/1999 - 19/09/2049			Working	Non Captive	98 / 29-12-2016	N 24° 50 ' 44.2 " N 24° 50' 47.7 " N 24° 50' 34.9 " N 24° 50' 35.6 " N	E 78° 54 ' 46.7 " N E 78° 54 ' 53.0 " N E 78° 54 ' 53.7 " N E 78° 54 ' 46.9 " N	Opencast

*Abdullah*

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20	Pyrophyllite, Diaspore,	SANJAY KUMAR JAIN DHAMASIY A-SHRI GULAB CHAND JAIN	DHAMASIYA BHAWAN JABAHA CHOWK TIKAMGARH DISTT. TIKAMGARH M.P.	Lease Order No. : 854, Lease Order Date : 29/08/2016	Tehsil : JATHARA- Village : GUDAPALI- Khasara No. : 321/2- Plot No. :- Area :1.500, Total Area: 1.500	20/04/1992 - 19/04/2042		Date of possession of Lease	Working	Non Captive	247 / 10-04-2018	N24 ° 56'57.3 " N24 ° 56'55.3 " N24 ° 56'52.7 " N24 ° 56'52.3 " N24 ° 56'51.6 " N24 ° 56'53.9 " N24 ° 56'56.0 "	E79 ° 10'21.7 " E79 ° 10'22.2 " E79 ° 10'22.9 " E79 ° 10'20.3 " E79 ° 10'17.9 " E79 ° 10'18.1 " E79 ° 10'19.5 "	Opencast
21	Pyrophyllite, Diaspore,	UNIVERSAL MINERALS	UNIVERSAL MINERALS PROPRITER ASHOK KUMAR SINHA CIVIL LINE TIKAMGARH	Lease Order No. : F-3- 159/99/11/1, Lease Order Date : 17/01/2003	Tehsil : JATHARA- Village : MADDAKHERAA- Khasara No. : 475- Plot No. :- Area :1.000, Total Area: 1.000	13/03/2003 - 12/03/2023		Date of possession of Lease	Non Working	Non Captive		24 ° 52" 5 " 24 ° 52" 1 " 24 ° 52" 5 " 24 ° 52" 1 "	78 ° 46' 35 " 78 ° 46' 41 " 78 ° 46' 35 " 78 ° 46' 41 "	Opencast
22	Pyrophyllite, Diaspore,	CORN DAM PRO. PIRNAV JAIN	KENA BHATA INDUSTRIAL AREA NIWARI	Lease Order No. : F-3- 205/199/12/1, Lease Order Date : 19-04- 1993	Tehsil : JATHARA- Village :BARANATAL- Khasara No. : 19/1, 49/3, Plot No. :- Area :20.000, Total Area: 20.000	27/11 / 1993 26/11/2043		Date of possession of Lease	Non Working	Non Captive		N 25 ° 4 ' 3.76 " N 25 ° 4 ' 4.10 " N 25 ° 4 ' 2.95 " N 25 ° 4 ' 0.01 " N 25 ° 3 ' 48.41 " N 25 ° 3 ' 49.41 " N 25 ° 3 ' 45.43 " N 25 ° 3 ' 43.81 " N 25 ° 3 40.39 " N 25 ° 3 ' 37.99 " N 25 ° 3 37.38 " N 25 ° 3 ' 37.19 " N 25 ° 3 ' 36.67 " N 25 ° 3 ' 36.80 " N 25 ° 3 ' 40.13 " N 25 ° 3 ' 42.21 " N 25 ° 3 ' 49.88 " N 25 ° 3 ' 53.49 " N 25 ° 3	E 78 ° 49 ' 33.82 " E 78 ° 49 ' 36.88 ' E 78 ° 49 ' 37.49 " E 78 ° 49 ' 36.65 " E 78 ° 49 ' 35.22 " E 78 ° 49 ' 33.61 " E 78 ° 49 ' 30.86 " E 78 ° 49 ' 29.67 " E 78 ° 49 ' 27.45 " E 78 ° 49 ' 25.39 " E 78 ° 49 ' 24.58 " E 78 ° 49 ' 24.58 " E 78 ° 49 ' 22.51 " E 78 ° 49 ' 22.30 " E 78 ° 49 ' 22.79 " E 78 ° 49 ' 23.41 " E 78 ° 49 ' 25.64 " E 78 ° 49 ' 26.61 "	Opencast
23	Pyrophyllite, Diaspore,	PRTIKTHA SINGH	TALDARWAJA THESSSEL TIKAMGARH	Lease Order No. : F-3- 171/97/12/1, Lease Order Date : 26-05- 2000	Tehsil : JATHARA- Village : DEVKHA- Khasara No. : 366- Plot No. :- Area :0.999, Total Area: 0.999	12/12/2000- 11/12/2020		Date of possession of Lease	Non Working	Non Captive		24°56'42.45"N 24°56'43.50"N 24°56'44.76"N 24°56'38.17"N 24°56'36.34"N 24°56'37.51"N 24°56'39.86"N	78°51'48.76"E 78°51'48.83"E 78°51'50.25"E 78°51'51.78"E 78°51'48.53"E 78°51'48.34"E 78°51'49.62"E	Opencast

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**CHAPTER - 10**

**DETAILS OF ROYALTY OR REVENUE RECIEVED IN LAST THREE  
YEARS**

**Mineral – Pyrophyllite**


S.No.	Year	Royalty/Revenue
1	2019-20	12441318
2	2020-21	15933800
3	2021-22	18069000

**Mineral – Diaspore**

S.No.	Year	Royalty/Revenue
1	2019-20	54228
2	2020-21	175500
3	2021-22	1271400

**Mineral – Quartz**

S.No.	Year	Royalty/Revenue
1	2019-20	201885
2	2020-21	717300
3	2021-22	1255200

  
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**CHAPTER -11**

**DETAILS OF PRODUCTION OF MINOR MINERAL IN LAST THREE YEARS**

**Mineral – Pyrophyllite**


S.No.	Year	Production in Tonnes
1	2019-20	69427
2	2020-21	79669
3	2021-22	90345

**Mineral – Diaspore**

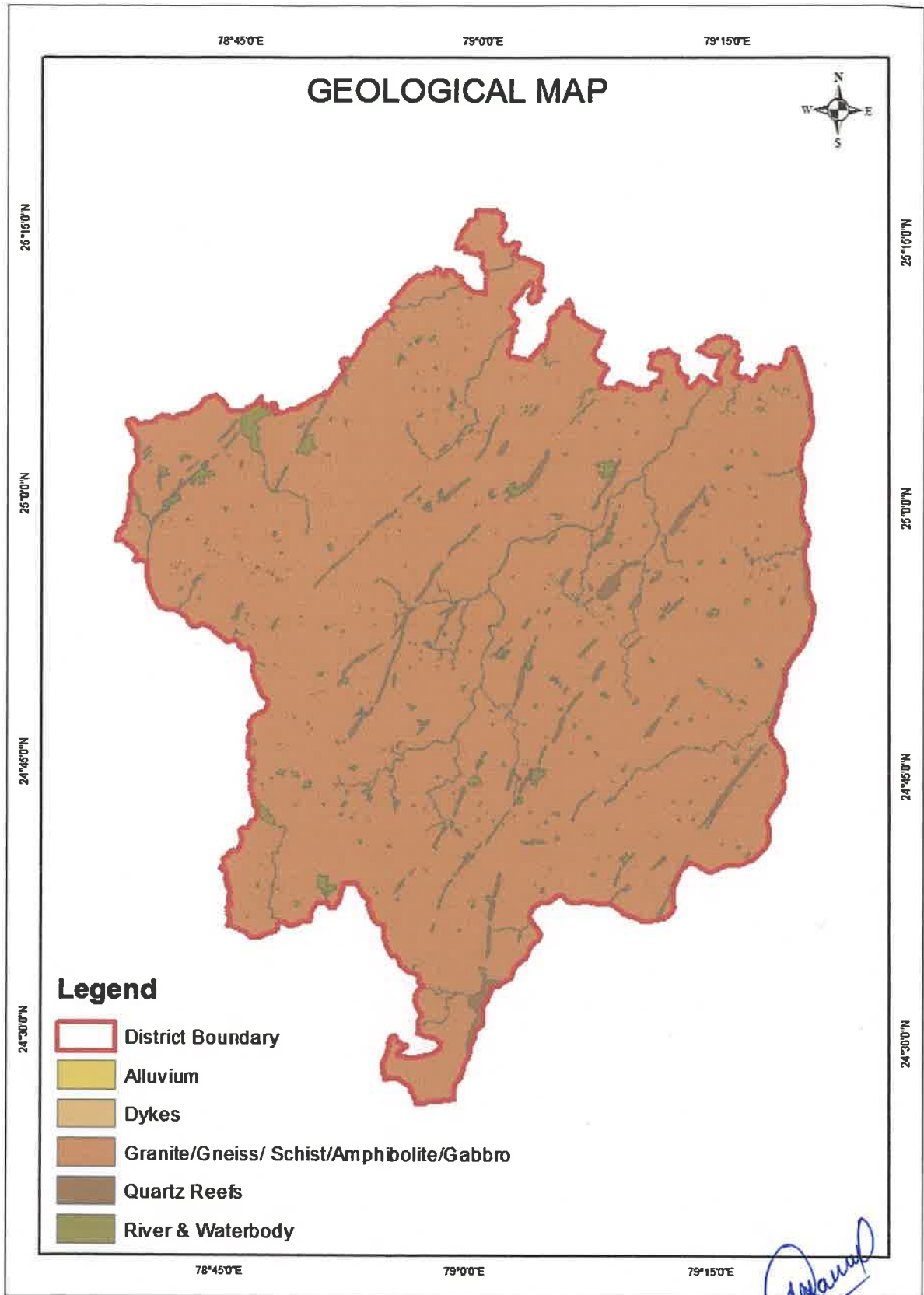
S.No.	Year	Production in Tonnes
1	2019-20	184
2	2020-21	450
3	2021-22	3260

**Mineral – Quartz**

S.No.	Year	Production in Tonnes
1	2019-20	13459
2	2020-21	11955
3	2021-22	20920

  
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**CHAPTER -12**  
**MINERAL MAP OF THE DISTRICT**



**Figure 9 – Geological Map**

*(Signature)*  
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**CHAPTER -13**

**LIST OF LETTER OF INTENT (LOI) HOLDERS IN THE DISTRICT ALONG  
WITH ITS VALIDITY AS PER THE FOLLOWING FORMAT**

**LIST ATTACHED**

  
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**CHAPTER -14**

**TOTAL MINERAL RESERVE AVAILABLE IN THE DISTRICT**

S. NO.	Name of Mineral	Mineral Reserve (Tonnes)
1	Pyrophyllite	2,00,000 (approx)
2	Diaspore	1,00,000 (approx)
3	Quartz	1,50,000 (approx)

  
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## CHAPTER -15

### QUALITY / GRADE OF MINERAL AVAILABLE IN THE DISTRICT

The compact variety of pyrophyllite is used for slate pencils and tailors' chalk and is carved by the Chinese into small images and ornaments of various kinds. Other soft compact minerals (steatite and pinite) used for these Chinese carvings are included with pyrophyllite under the terms agalmatolite and pagodite.

Quartz is a major component of many types of rock. Quartz is abundant in certain igneous rocks. It forms the clear to grey or even white lumpy blobs in granite and comprise most of silicate-rich or felsic igneous rocks.

  
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**CHAPTER -16**  
**USE OF MINERAL**

Due to its chemical and physical properties, pyrophyllite is very suitable as filler and is thus used in the paper, plastic, paint, insecticide, and pharmaceutical industries.

If obtainable in large quantity, it would be of economic importance as a **source of aluminium**. Diaspore, along with gibbsite and boehmite, is a major component of the aluminium ore bauxite.

From Jewelry making and gemstones, for its ability to luster, to brick making in the refractory industry for its physical strength and to watches and clocks for its piezoelectric property, quartz find uses in a wide range of industries.

  
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## CHAPTER -17

### DEMAND AND SUPPLY OF THE MINOR MINERAL IN THE LAST THREE YEARS

Sr. No.	Year	Name of Mineral	Production in cum(Approx)	Dispatch in cum
1	2019-20	Pyrophyllite	72000	69427
2		Diaspore	190	184
3		Quartz	14000	13459

Sr. No.	Year	Name of Mineral	Production in cum	Dispatch in cum
1	2020-21	Pyrophyllite	80000	79669
2		Diaspore	500	450
3		Quartz	12000	11955

Sr. No.	Year	Name of Mineral	Production in cum	Dispatch in cum
1	2021-22	Pyrophyllite	91000	90345
2		Diaspore	3300	3260
3		Quartz	21000	20920

  
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**CHAPTER -18**

**MINING LEASES MARKED ON THE MAP OF THE DISTRICT**



**Figure 10 Mining area Marked on the Mineral Map**

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**CHAPTER -19**

**DETAILS OF THE AREA WHERE THERE IS A CLUSTER OF MINING  
LEASES VIZ. NUMBER OF MINING LEASES, LOCATION  
(LATTITUDE/LONGITUDE)**

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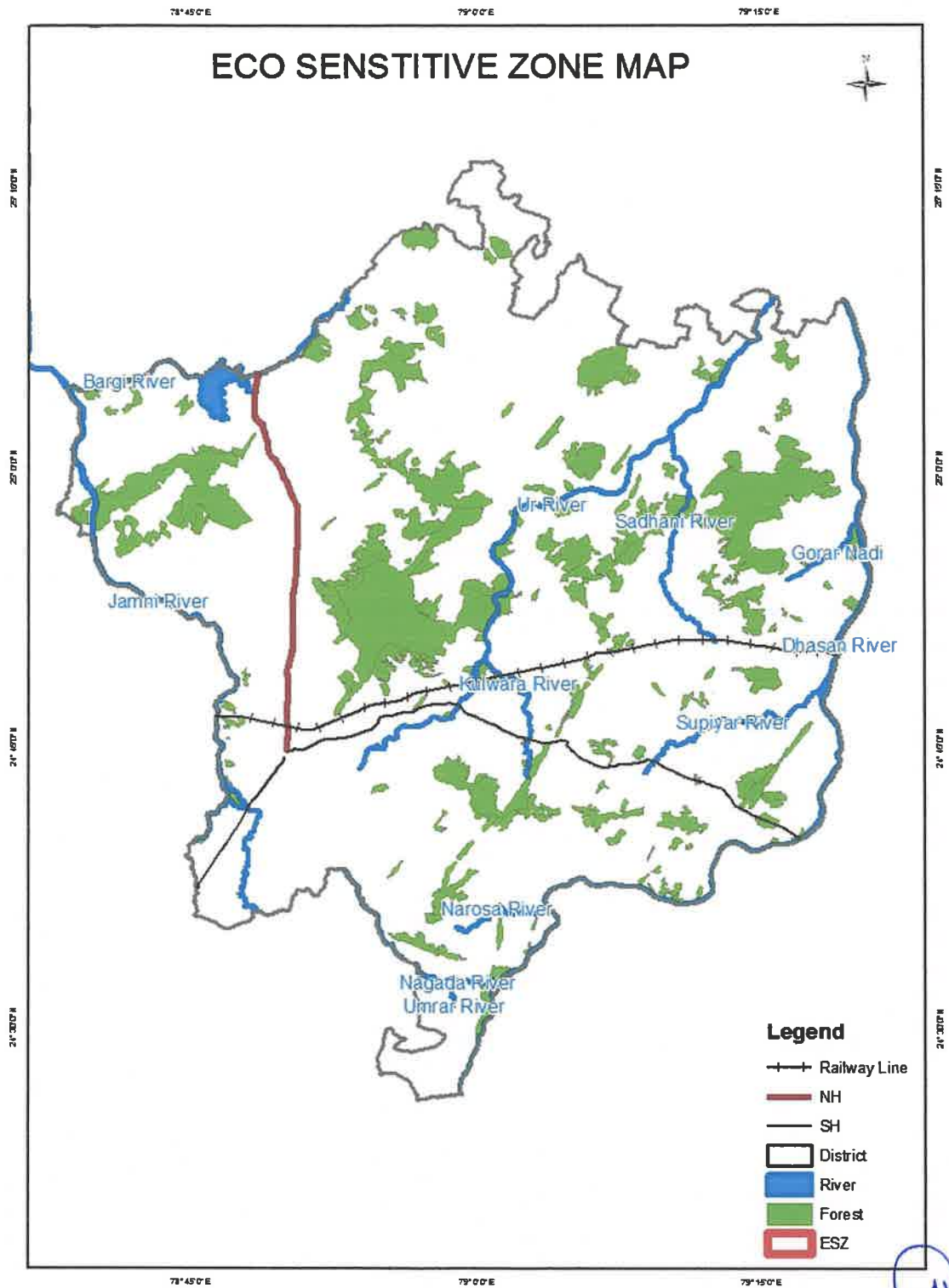
  
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## CHAPTER -20

### Details of ECO-SENSITIVE AREA, IF ANY, IN THE DISTRICT

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



**Figure 11 – ECO-SENSITIVE ZONE MAP**

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## CHAPTER -21

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

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

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

Mining destroy the landscape and existing environmental conditions. that causes significant impacts by changes in working surface, ground water level, potential increase of erosion phenomena, destruction natural inhabitants of animals and plants, increase of dust concentration in the atmosphere. The positive impact will be considerable reduction of air pollution during the operation stage and the socio-economic status of the local population will be improved over a period of time. One of the most significant undesirable impacts on the environment is disposing of excavated waste materials. that can create detrimental effects on environment such as water pollution, soil contamination and pollution of natural ecosystems. Primary data was generated on baseline air quality, noise levels and surface water quality and secondary information was collected from various secondary sources

**Air Quality** : The method of mining is open cast semi mechanized operation which involved jack hammer for exploration of stone. Hence, it is expected that the ambient air quality may slightly change significantly & dust particles get generated during various mining activities. This activities lead to increase in PM<sub>10</sub> & PM<sub>2.5</sub> level in the

ambient air. The major source of dust generation will be from transportation of material. However, following measures will be adopted to minimize fugitive dust emission:

**Water:** Mining is likely to have significant effects on ground water as well as surface water. Mining operations can both contaminate and cause severe physical dislocation of aquifers. The major source of water pollution in coal mines is the suspended solids in the drainage system of mine water<sup>18</sup> and storm water<sup>19</sup>. In some coal mines, the mine water is acidic due to the presence of sulphur / pyrites / pyritic compounds. Effluent from washeries and coal preparation plants generally contain fine coal particles, suspended solids, washery medium, reagents etc. and sometimes oil and grease. In Heavy Earth Moving Machineries (HEMM) and light vehicles workshops, the workshop floors mix oil and oily matter into water along with dirt that is being washed. Besides, the sewage from residential complexes contaminates water mainly with organic matter.

**Noise :** The most noise generating equipment underground are the haulage, ventilators-main, auxiliary and forcing fans, conveyor transfer points, cutting and drilling machines. The ambient noise level due to different operations in underground mines varies within 80-104 dBA. The values increased in many Indian mines because of poor maintenance of the machines and exceeded the permissible limit of 90 dBA for 8 hours per day exposure. The transfer points of the coal underground were the main point of the noise menace.

**Land:** Since mining is being carried out by semi-mechanized opencast method, it is expected to affect the land environment essentially. Impact assessment study on land environment can be done by considering land use pattern/ land cover, Topography, Drainage pattern and geological features of the mine site as well as the study area.

**Soil, Flora and Fauna** : The most serious environmental conflicts in the mining industry revolve around access to mineral reserves in areas recognized as habitat of significant conservation values and biodiversity richness or areas of special cultural significance. Mining activities, whether occurring within or near Protected Areas, cause a range of environmental consequences that can be severe and irreversible. Mining operations and the process of constructing new mining infrastructure often results in large-scale alteration of the environment at landscape and ecosystem levels. The clearing of vegetation is one of the most significant impacts of mining on biodiversity. Extensive mining operations have historically destroyed large areas of vegetation. Loss of vegetation cover occurs not only in the mined area but also in areas affected by associated activities such as dumping of overburden, deposition of tailings, development of infrastructure for transport and service corridors (railway lines, roads, pipelines, conveyers) and surface facilities (offices, workshops, vehicle parks, storage depots and warehouses). The excavation of the substrate materials and creation of the mine voids also alter the soil profile, hydrology, topography, and nutrient status of the substrate. These secondary factors have the potential to result in deleterious effects on the local biodiversity. At the landscape level, environmental impacts occur generally in the form of alteration of land form features and fragmentation of biological habitats that may cause isolation of populations of floral and faunal species

  
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## CHAPTER -22

### Remedial Measures to mitigate the impact of mining on the Environment;

**Air Quality** : Following measures will be adopted to minimize fugitive dust emission:

- Tractor water tanker shall be used to irrigate plantation.
- Grading of haul roads, service roads time to time, to remove the accumulated dusty material.
- Proper maintenance of the earth moving equipment and vehicles, checking of exhaust emission and imposing of speed restrictions on them.
- Twice in a week, water sprinkling will be done on haul and approach roads by water Tanker.
- Three row plantations will be carried out in the barrier zone.
- The trucks with loading material will be covered with tarpaulin sheets and speed of the vehicles will be maintained within the prescribed limits.
- Only "Pollution Under Control" certified vehicles will be used for transportation
- Half yearly monitoring will be carried out of air, water, soil and noise.

**Noise Quality** : The following mitigation measures will be adopted to keep the ambient noise levels within limits:

- Provision of green belt all along the periphery of the lease area.
- Personal protective equipment's like earmuffs and earplugs will be provided to workers, working in high noise areas.
- PUC certified vehicle will be used for mitigation of noise pollution.
- Minimum use of horns and speed limit of 10 km ph in the village area.
- Timely maintenance of vehicles and their silencers to minimize vibration and sound.
- Phasing out of old and worn out vehicles.

  
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**Water** : To mitigate water pollution caused by mining activities, measures such as installation of water treatment plants (Effluent Treatment Plant or ETP) for eliminating pollutants from mine water as well as storm water and discharge from the workshops, installation of Sewage Treatment Plant (STP) for treatment of effluents from the residential colonies of the mines were adopted.

### **Soil, Flora and Fauna**

Mining activity causes impact on flora due to land degradation, deforestation, etc., **Dust control** products are the forefront of preventing airborne wheel generated dust impacting the environment. The goal of dust suppression is to prevent dust from reaching places it can cause harm, rather than undoing damage that has already been caused. There are many different types of dust suppressants available on the market today for mines to choose from. Common formulations include bitumen emulsions, lignosulfonates and polymers.

In addition to dust impacts on flora and fauna, **erosion and soil stabilisation** is another environmental concern mines need to manage. This is particularly pertinent with open-cut mines.

Open-cut mining involves the complete removal of vegetation and topsoil layer, removing habitat that sustains ecological communities. This can also cause soil erosion and degradation of adjacent land, as well as sedimentation and contamination of nearby water bodies. To reduce soil erosion or stabilise embankments, mines can use spray-on soil stabilisation products such as Dust-A-Side's **Aqua Tarp**. This product is a solvent-free, water and surfactant based emulsion of latex polymer and is specifically designed and formulated for easy application onto large exposed areas.

Since there is no important species in core zone, no adverse impact on flora is anticipated.

## CHAPTER -23

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

There is no proposal for backfilling, reclamation and rehabilitation. The quarry pit should be fenced by barbed wire to prevent inherent entry of public and cattle. The quarried out pit will be allowed to collect rain and seepage water which act as a reservoir for storage. The Quarried pit may be used as water reservoir for both Domestic and Agriculture purpose, in case of stone mining.

  
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## CHAPTER -24

### **Risk Assessment & Disaster Management Plan;**

Mining is among the most hazardous activities all around the world, being always accompanied with different accidents, injuries, loss of lives, and land damages. Dimension stone quarrying constitutes a big portion of mining activities. Risk assessment is all about assessment of risks involved and preventive measures proposed to be taken to avoid accidents arising out of such risks. There is an urgent need to be aware of the risks of an accident before steps can be taken to prevent it happening. It may not always be obvious that a workplace task could lead to an accident. This is why risk assessments are carried out. In risk assessment the words Hazards and Risks are often used and it is necessary to be clear what Hazards and Risks are:-

- A hazard is anything that has the potential to cause harm.
- The risk is how likely it is that a hazard may cause actual harm. Having defined the work to be undertaken, risk assessment will give a clearer picture of what could go wrong and how serious an accident could be. It will depend upon following a set model which will enable the risk to be assessed.

Five steps of risk assessment

Step 1: Identify the hazards

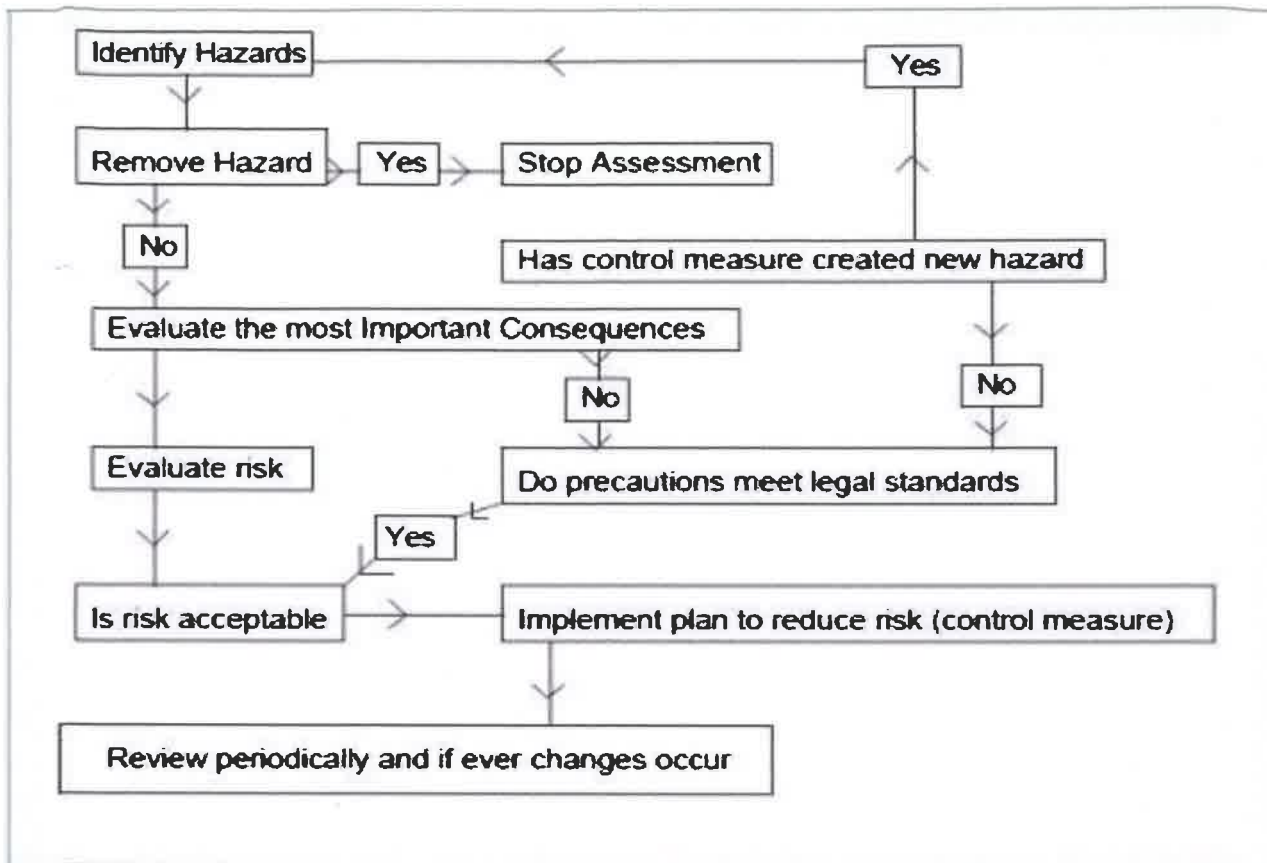
Step 2: Decide who might be harmed and how

Step 3: Evaluate the risks and decide on precautions

Step 4: Record the findings and implement precautionary measures proposed Step 5:

Review assessment and update if necessary Model for Risk Assessment

  
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This model is best understood by working through the steps listed below

1. **Identify the hazard** - How an accident might happen? Consider what or how things could go wrong when the activity is carried out.
2. **Identify who is at risk** - Who is involved in the activity? Who else could be at risk?
3. **Remove the hazard** - Can the activity be carried out in another way so as to eliminate the hazard?
4. **Evaluate the risk** - How likely is an accident to happen? How serious would the injury be if there is an accident while carrying out the activity?
5. **Decide on control measures** - look at what measures have been taken already to ensure that persons do not have an accident. For example, have suitable and sufficient guards been fitted? Decide whether anything else needs to be done. For example, it may be necessary to provide extra training in the safe use of machinery and only allow trained workers to use it.

**6. Record the assessment** - The risk assessment should be recorded. **7. Review** - The assessment will need to be reviewed every time there are changes in the workplace, for example new members of staff, new equipment, new systems of work and new location

  
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## CHAPTER -25

### Details of the Occupational Health issues in the District. (Last five – year data of number of patients of Silicosis & Tuberculosis is also needs to be submitted);

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

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

#### Physical Hazards due to Mining Operations:

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

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

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

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


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

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

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

**Table 7 Number of Health centers in Tikamgarh District**

S. no.	Block Name	District Hospital	Primary Health Centre (PHC)
1.	Tikamgarh	1	02
2.	Palera	-	03
3	Baldeogarh		03
4	Jatara		05
	Total	1	13

  
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कार्यालय मुख्य चिकित्सा एवं स्वास्थ्य अधिकारी  
जिला टीकमगढ़ (म०प्र०)

ई मेल :-cmhotik@nic.in

क०/क्षय/2022/ 6340

टीकमगढ़,दिनांक:- 10/06/22

प्रति


खनिज अधिकारी  
जिला टीकमगढ़ (म.प्र.)

बिषय-जिला टीकमगढ़ में Tuberculosis and Silicosis से पीडित श्रमिकों/मरीजों की जानकारी देने बावत।

संदर्भ-आपके पत्र कमांक-11/खनिज/तीन-06/2022/3563 टीकमगढ़ दिनांक 01/06/2022

उपरोक्त बिषयांतर्गत एवं संदर्भित के संबंध में लेख है कि जिले टीकमगढ़ अंतर्गत विभिन्न प्रकार की खदानें संचालित हैं, जिनमें कार्य करने वाले श्रमिकों में वर्तमान में Tuberculosis and Silicosis के मरीजों की संख्या जिले में निरंक है।

पत्र सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित है।

  
मुख्य चिकित्सा एवं स्वास्थ्य अधिकारी  
जिला टीकमगढ़ (म.प्र.)

  
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## CHAPTER -26


### Plantation and Green Belt development in respect of leases already granted in the district;

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

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

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

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

  
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**Recommended Plant species for green belt development/plantation.**

Sr. No.	Botanical Name	Common Name	Family
01	Tectona grandis	Teak	Lamiaceae
02	Delbergia sissoo	Sissoo	Fabaceae
03	Albizia lebbeck	Black siris	Fabaceae
04	Pongamia pinnata	Karanja	Fabaceae
05	Butea monosperma	Palas	<a href="#">Fabaceae</a>
06	Terminalia arjuna	Arjun	<a href="#">Combretaceae</a>
07	Cassia fistula	Amaltas	<a href="#">Fabaceae</a>
08	Albizia procera	White Siris	<a href="#">Fabaceae</a>
09	Wrightia tinctoria	Sweet indrajao	periplocaceae
10	Emblica officinalis	Indian gooseberry	Euphorbiaceae
11	Gemlin arborea	Gamhar/Khamer	<a href="#">Phyllanthaceae</a>
12	Mangifera Indica	Mango	Anacardiaceae
13	Bambusa Vulgaris	Bamboo	Poaceae
14	Ficus benghalensis	Bargad	Moraceae
15	Manilkara hexandra	Khirni	Spotaceae
16	Terminalia chebula	Harra	Combretaceae
17	Phyllanthus emblica	Amla	Phyllanthaceae
18	Terminalia bellirica	Bahera	Combretaceae
19	Tamaindus indica	Imli	Caesalpinaceae
20	Bougainvillea glabra choisy	Boogenbel	Nyctagianaceae
21	Hibiscus rosa-sinensis L	Gurhal	Malvaceae
22	Nerium indicum Mill.	Kaner	Apocynaceae
23	Plumeria rubra L	Champa	Apocynaceae



24	Tabernaemontana divaricata (L) R. Br. Ex Roem. & Schult	Chandni	Apocynaceae
25	Ailanthus excels Roxb.	Maha nimbi	Simaroubaceae
26	Alastonia scholaris (L.) R.Br	Chitvan	Apocynaceae
27	Cassia Fistula L	Amaltas	Caesalpiaceae
28	Butea monosperma (Lamk) taub	Khakra/ Palash	Fabaceae
29	Nyctanthes arbour-tristis L.	Harsingar	Oleaceae
30	Azadirachta indica A. Juss	Neem	Meliaceae
31	Ficus religiosa L	Pipal	Moraceae
32	Pterospermum acerifolium willd	Kanak Champa	Sterculiaceae
33	Tectona grandis L	Teak/ Sagun	Verbenaceae
34	Terminalia cattapa L	Jangli badam	Combretaceae
35	Ziziphus mauritiana Lamk.	Bada ber	Rhamnaceae

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

  
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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)	पेड़ों की प्रजाति			
							2019-20	2020-21	2021-22	
1	2 Pyrophyllite, Diaspore,	3 ARUN KUMAR KHARE-SHRI PREMCHAND JAIN	4 NEAR HANUMAN TORIYA CHHATARPUR DISTT. CHHATARPUR M.P.	5 Lease Order No. : F-3-13/2000/12/1, Lease Order Date : 19/04/2002	6 Tehsil : BALDHEVAGADH- Village : GUJARAAATHANAKHAAS- Khasara No. : 34,39- Plot No. :- Area :15.000, Total Area: 15-000	7 22/11/2002 - 21/11/2022	8 10	9 18	10 15	11 आम, नीम, जामुन, शीशम, सागोन्, अमरुद,
2	Pyrophyllite, Diaspore,	ARVIND SINGH-SHRI LAKHAN SINGH	NEAR RAJMAHAL TIKAMGARH HALL NIBASI H- 2/2BEERANGNA NAGAR DISTT.	Lease Order No. : 114, Lease Order Date : 08/02/2016	Tehsil : JATHARA- Village : KUNVARAPURAA- Khasara No. : 1/1/1, 1/1/2, 1/1KA- Plot No. :- Area :4.800, Total Area: 4.800	28/11/1994 - 27/11/2044	13	9	12	नीम, पीपल
3	Quartz,	BRAJESH SONI-SHRI BABULAL SONI	CHHOTI DEVI JI KE PASS, TIKAMGARH, DIST TIKAMGARH M.P.	Lease Order No. : 663, Lease Order Date : 29/06/2016	Tehsil : TIKAMAGADH- Village : DHARAGUNVAA- Khasara No. : 993/2- Plot No. :- Area :12.000, Total Area: 12.000	22/09/1995 - 21/09/2045	24	30	15	आम, अमरुद, शीशम, सागोन्, अशोक, गुलमोहर, महानीम, आंवला
4	Pyrophyllite, Diaspore,	DEVENDRA MINERALS PRO. S.B.MISHRA	CIVIL LINE TIKAMGARH M.P.	Lease Order No. : 3-49/2003/12/1, Lease Order Date : 02/11/2004	Tehsil : JATHARA- Village : MADDAKHERAA- Khasara No. : 18- Plot No. :- Area :5.475, Total Area: 5.475	27/08/2004 - 26/08/2024	6	10	15	नीम, महुआ, पीपल आंवला,
5	Pyrophyllite, Diaspore,	SMT. KOSYLA DEVI W/O SHRI. MANVENDRA SINGH	KROKHAR GAROTHA (U.P.)	Lease Order No. : 2-297/94/12/1, Lease Order Date : 03/09/1997	Tehsil : JATHARA- Village : KHERAA- Khasara No. : 806;780- Plot No. :- Area :2.157, Total Area: 2.157	27/10/1997 - 26/10/2017	10	7	11	पीपल, शीशम,
6	Pyrophyllite, Diaspore,	EASTERN MINERALS-SHRI P C JAIN	35 VIVEKANAND MARG CANTONMENT JHANSI 284001 UTTAR PRADESH	Lease Order No. : 292/106/2008/12/1, Lease Order Date : 16/01/2006	Tehsil : JATHARA- Village : KHERAA- Khasara No. : 1354;230/1;230/2- Plot No. :- Area :6.171, Total Area: 6.171	23/05/2007 - 22/05/2027	22	15	25	गुलमोहर, नीम, पीपल, कर्जो
7	Pyrophyllite, Diaspore,	EASTERN MINERALS-SHRI P C JAIN	35 VIVEKANAND MARG CANTONMENT JHANSI 284001 UTTAR PRADESH	Lease Order No. : 290/104/2008/12/1, Lease Order Date : 16/01/2009	Tehsil : JATHARA- Village : KHERAA- Khasara No. : 170- Plot No. :- Area :2.327, Total Area: 2.327	18/12/2005 - 17/12/2025	15	9	21	जामुन, गुलमोहर, बड़ अशोक
8	Pyrophyllite, Diaspore,	EASTERN MINERALS-SHRI P C JAIN	35 VIVEKANAND MARG CANTONMENT JHANSI 284001 UTTAR PRADESH	Lease Order No. : 3-219/92/12/1, Lease Order Date : 03/02/2009	Tehsil : JATHARA- Village : NANDHANAVARAA KHAAS- Khasara No. : 19- Plot No. :- Area :9.670, Total Area: 9.670	07/05/2004 - 06/05/2024	12	9	13	गुलमोहर, नीम, पीपल, कर्जो

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9	Pyrophyllite, Diaspore,	EASTERN MINERALS-SHRI P C JAIN	35 VIVEKANAND MARG CANTONMENT JHANSI 284001 UTTAR PRADESH	Lease Order No. : 3-53/2003/12/1, Lease Order Date : 06/10/2003	Tehsil : JATHARA- Village : KHERAA- Khasara No. : 1201,1354/1- Plot No. :- Area :7.040, Total Area: 7.040	24/07/2002 - 23/07/2032	10	10	14	आम, नीम, जामुन, शीशम, सागौन, अमरुद,
10	Pyrophyllite, Diaspore,	HARENDRA PRATAP SINGH-SHRI MAHIPAL SINGH	FOURT KHARGAPUR TIKAMGARH DISTT. TIKAMGARH M.P.	Lease Order No. : 3-36/93/12/1, Lease Order Date : 20/05/1998	Tehsil : JATHARA- Village : NANDHANAVARAA KHAAS-Khasara No. : 19,19/1,179- Plot No. :- Area :3.482, Total Area: 3.482	05/08/1998 - 04/08/2018	10	10	10	नीम, पीपल
11	Pyrophyllite, Diaspore,	KUSUM LATA BHATNAGAR-SHRI ADITYA BHATNAGAR	NEAR M.P.E.B. OFFICE BHATNAGAR COLONEYTIKAMGARH DISTT. TIKAMGARH	Lease Order No. : 3-177/91/12/6, Lease Order Date : 08/11/1994	Tehsil : BALDHEVAGADH- Village : AHAAR- Khasara No. : 478/6. Plot No. :- Area :3.642, Total Area: 3.642	26/07/1995 - 25/07/2015	30	32	28	आम, नीम, जामुन, शीशम, सागौन, अमरुद,
12	Pyrophyllite, Diaspore,	LATA MISHRA-SHRI PRABHAKAR MISHRA	NEAR INDIORE STATE BANK TIKAMGARH DISTT. TIKAMGARH	Lease Order No. : 3-348/86/12/6, Lease Order Date : 12/03/1987	Tehsil : JATHARA- Village : NANDHANAVARAA KHAAS-Khasara No. : 1;3;10Juj- Plot No. :- Area :8.640, Total Area: 8.640	04/06/1987 - 03/06/2037	9	7	10	शीशम,नीम
13	Pyrophyllite,	M P STATE MINING CORPORATION BHOPAL	SUB OFFICE, TIKAMGARH M P	Lease Order No. : 3-85/97/12/1, Lease Order Date : 30/07/1999	Tehsil : TIKAMAGADH- Village : KAARII KHAAS- Khasara No. : 48 Forest- Plot No. :- Area :5.000, Total Area: 5.000	20/09/1999 - 19/09/2049	12	10	14	शीशम,नीम, जामुन
14	Pyrophyllite, Diaspore,	M S PARIHAR-SHRI YOGENDRA SINGH	ASOCIATE MINIRALS TALBETDISTT. LALIPUR U.P.	Lease Order No. : F-3-23/95/12/1/6, Lease Order Date : 30/10/1995	Tehsil : JATHARA- Village : KHERAA- Khasara No. : 895- Plot No. :- Area :3.000, Total Area: 3.000	13/12/1995 - 12/12/2015	5	8	12	नीम, पीपल
15	Pyrophyllite, Diaspore,	MADHUVAN MINERALS and INDUSTRIES	MAIN ROAD SAHGARH DISTT. SAGAR M.P.	Lease Order No. : 3065, Lease Order Date : 06/06/2014	Tehsil : JATHARA- Village : BAIRAVAR- Khasara No. : 1045- Plot No. :- Area :14.000, Total Area: 14.000	11/11/2003 - 10/11/2023	23	27	32	आम, अमरुद, शीशम, सागौन, अशोक, गुलमोहर, महानीम, अंबिया
16	Quartz,	MAYANK SHRIVASTAVA	MPEB COLONEY TIKAMGARHDISTT. TIKAMGARH	Lease Order No. : 3-138/94/12/1/6, Lease Order Date : 02/08/1995	Tehsil : TIKAMAGADH- Village : DHARAGUNVAA- Khasara No. : 783- Plot No. :- Area :4.000, Total Area: 4.000	03/01/1996 - 02/01/2016	12	14	10	जामुन, पीपल, गुलमोहर
17	Pyrophyllite,	PRAKASH AGRWAL-SHRI NAVAL KISHOR AGRWAL	NEAR TALDARWAJA TIKAMGARHDISTT. TIKAMGARH M.P.	Lease Order No. : 3-245/93/12/1/6, Lease Order Date : 03/06/1994	Tehsil : JATHARA- Village : KHERAA- Khasara No. : 221- Plot No. :- Area :0.291, Total Area: 0.291	30/09/1994 - 29/09/2014	8	9	15	पीपल, शीशम, नीम

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18	Pyrophyllite, Diaspore,	RABELA TRADERS AND FINANCE PVT LTD	INDUSTRIAL AREA DHONGA TIKAMGARH M.P.	Lease Order No. : 115, Lease Order Date : 08/02/2016	Tehsil : JATHARA- Village : MADDAKHERAA- Khasara No. : 476;477- Plot No. :- Area :10.834, Total Area: 10.834	03/12/1984 - 02/12/2034	8	10	13	बराद, नीम,
19	Pyrophyllite, Diaspore,	SANJAY KUMAR JAIN DHAMASIYA-SHRI GULAB CHAND JAIN	DHAMASIYA BHAWAN JABAHA CHOWK TIKAMGARH DISTT. TIKAMGARH M.P.	Lease Order No. : 3-280/85/12/2, Lease Order Date : 24/06/1986	Tehsil : JATHARA- Village : GUDAPALI- Khasara No. : 277/1- Plot No. :- Area :5.163, Total Area: 5.163	14/07/1986 - 13/07/2036	10	8	10	नीम, महुआ, पीपल
20	Pyrophyllite, Diaspore,	SANJAY KUMAR JAIN DHAMASIYA-SHRI GULAB CHAND JAIN	DHAMASIYA BHAWAN JABAHA CHOWK TIKAMGARH DISTT. TIKAMGARH M.P.	Lease Order No. : 854, Lease Order Date : 29/08/2016	Tehsil : JATHARA- Village : GUDAPALI- Khasara No. : 321/2- Plot No. :- Area :1.500, Total Area: 1.500	20/04/1992 - 19/04/2042	30	40	30	नीम, महुआ, पीपल आबला,
21	Pyrophyllite, Diaspore,	UNIVERSAL MINERALS	UNIVERSAL MINIRALS PROPRITER ASHOK KUMAR SINHA CIVIL LINE TIKAMGARH	Lease Order No. : F-3-158/99/11/1, Lease Order Date : 17/01/2003	Tehsil : JATHARA- Village : MADDAKHERAA- Khasara No. : 475- Plot No. :- Area :1.000, Total Area: 1.000	13/03/2003 - 12/03/2023	27	22	17	आम, नीम, जासुन, शीशम, सागोन, अमरुद,
22	Pyrophyllite, Diaspore,	CORN DAM PRO. PIRNAV JAIN	KENA BHATA INDUSTRIAL AREA NIWARI	Lease Order No. : F-3-205/199/12/1, Lease Order Date : 19-04-1993	Tehsil : JATHARA- Village : BARANATAL- Khasara No. : 19/1, 49/3- Plot No. :- Area :20.000, Total Area: 20.000	27/11 /1993 - 26/11/2043	12	13	15	नीम, पीपल, छेवला,
23	Pyrophyllite, Diaspore,	PRTIKTA SINGH	TALDARWAJA THESEEL TIKAMGARH	Lease Order No. : F-3-171/97/12/1, Lease Order Date : 26-05-2000	Tehsil : JATHARA- Village : DEVKHA- Khasara No. : 366- Plot No. :- Area :0.999, Total Area: 0.999	12/12/2000- 11/12/2020	8	11	10	जासुन,नीम,शीशम
24	Pyrophyllite, Diaspore,	SANTOSH KUMAR JAIN	KAKAWNI TEHSEEL NIWARI	Lease Order No. : F-3-204/97/91/12/1, Lease Order Date : 21/07/2004	Tehsil : JATHARA- Village : MAUBUJURG- Khasara No. : 1646/1- Plot No. :- Area :7.050 Total Area: 7.050	10/07/1985- 09/07/2035	13	20	14	नीम, पीपल, सागोन, छेवला, यूके लिटस

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





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State Level Environment Impact  
Assessment Authority, M.P.

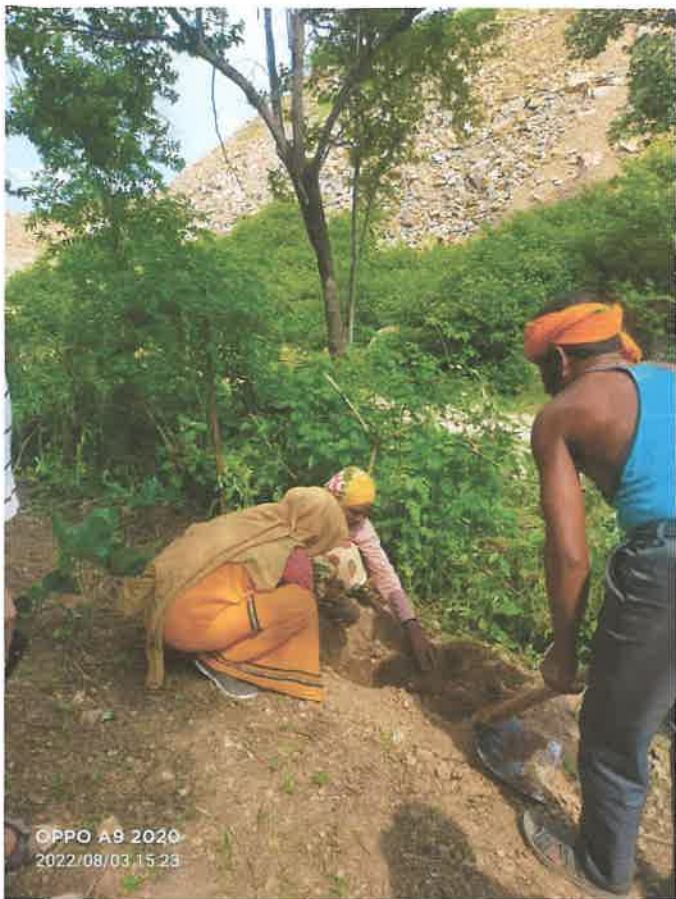
Paryavaran Parisar  
E-5, Arera Colony, Bhopal (M.P.)





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





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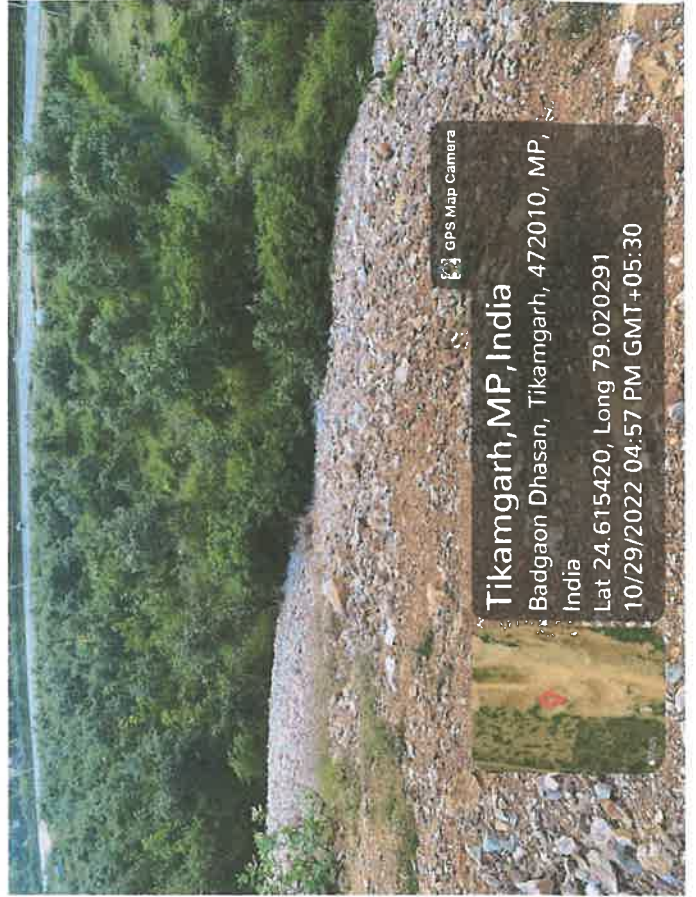
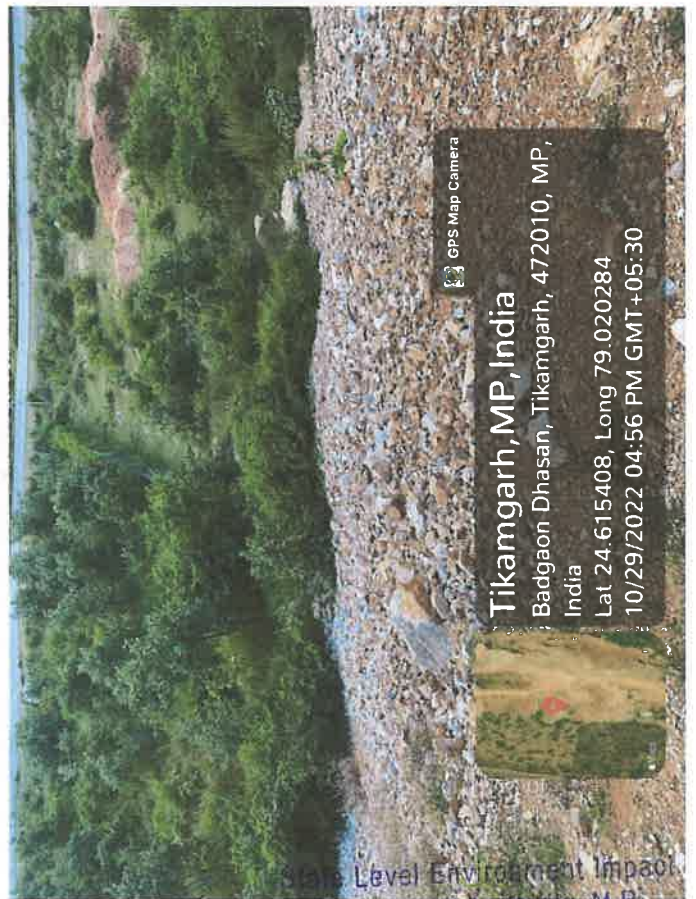
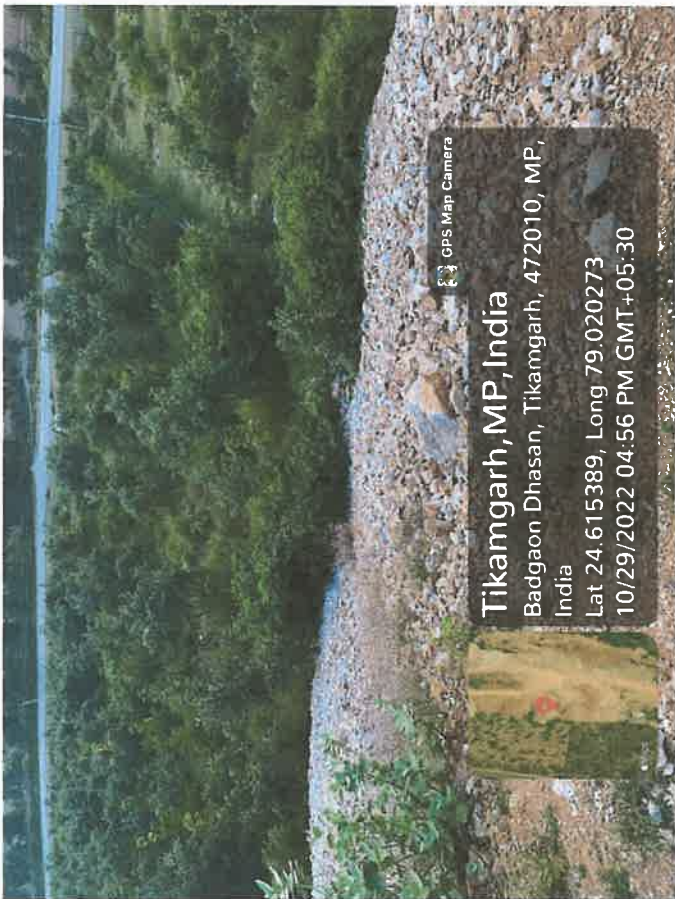




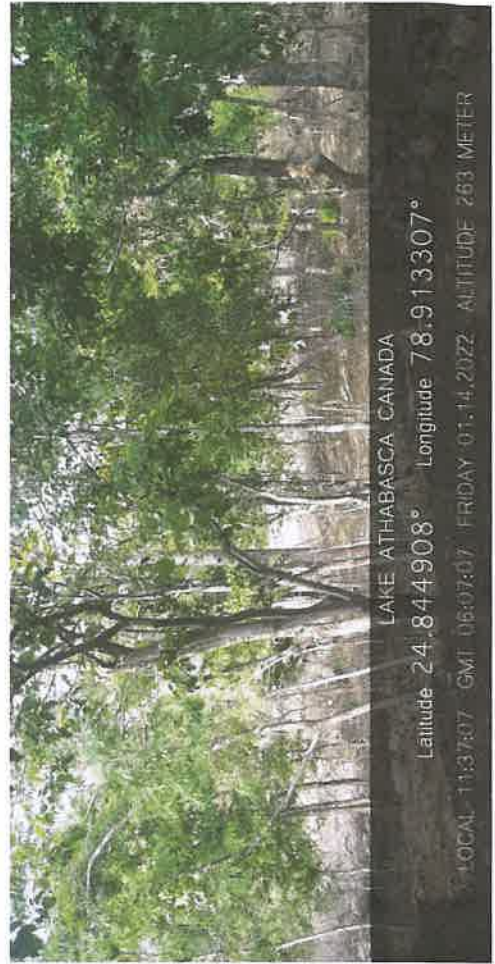
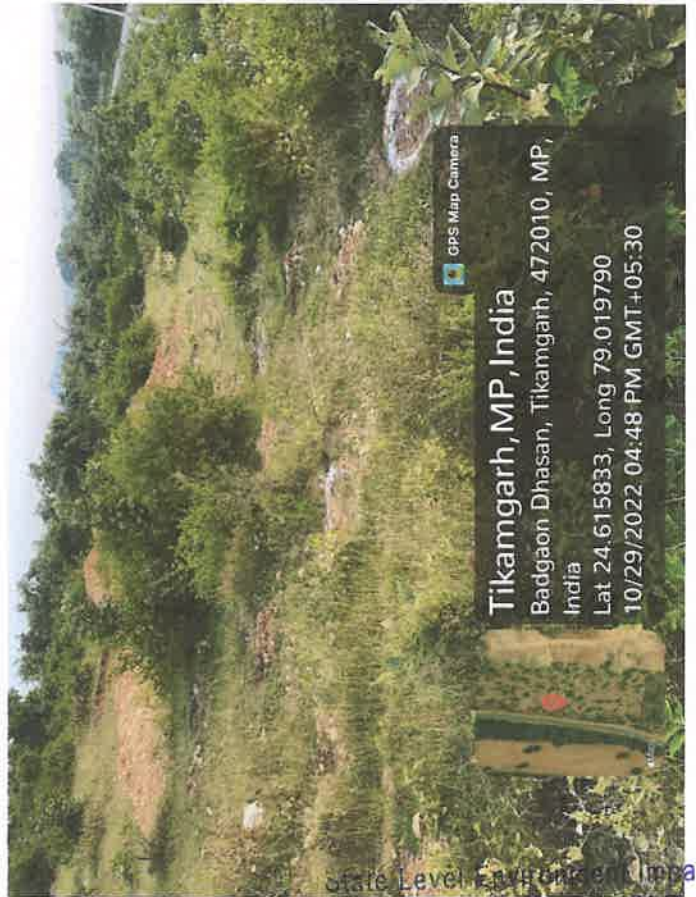
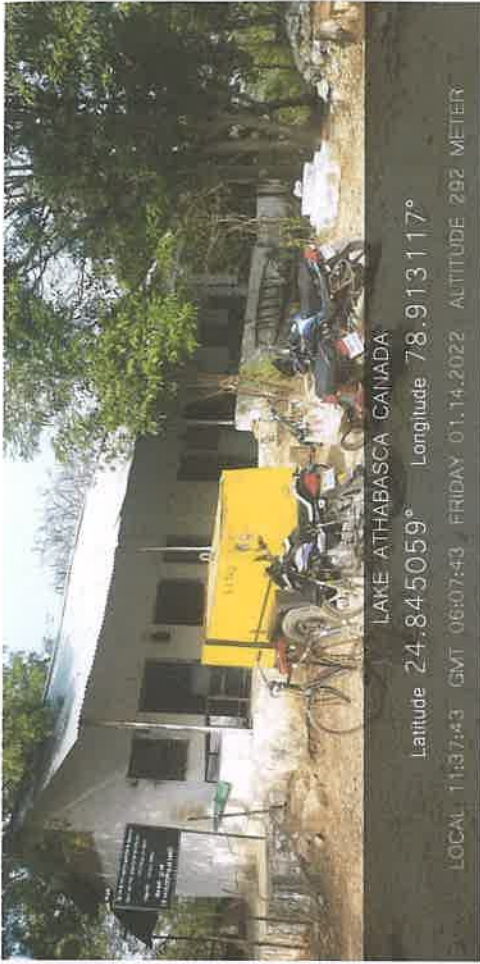
Slate Level Environmental Impact  
 Assessment Authority, Madhya Pradesh  
 (EPAO)  
 Paryavaran Parisar  
 E-5, Arera Colony, Bhopal (M.P.)

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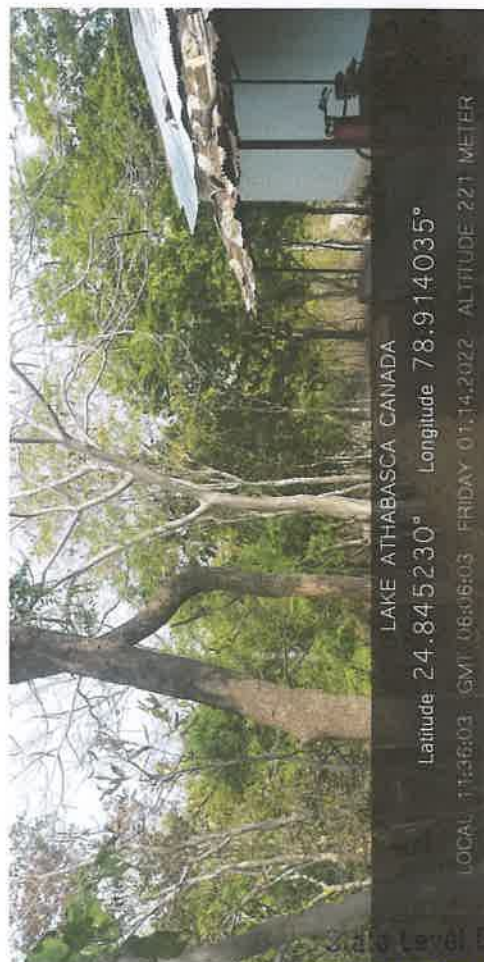
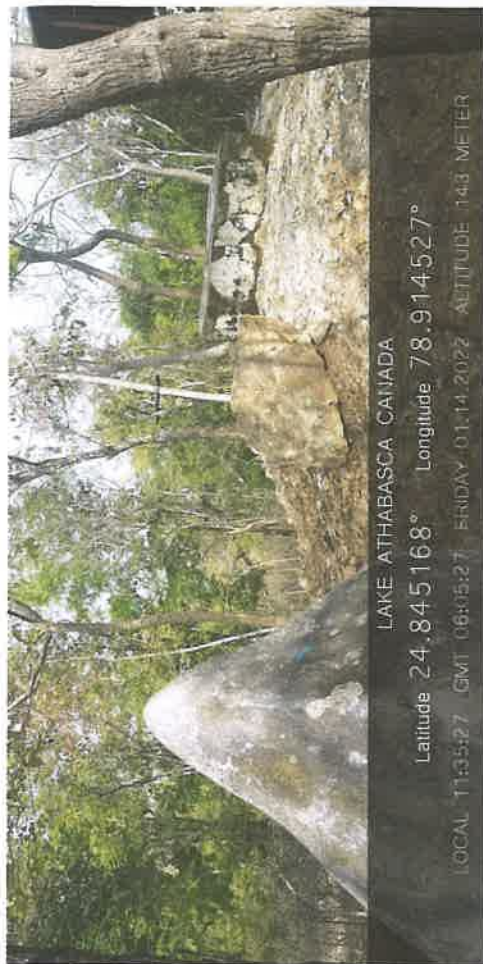
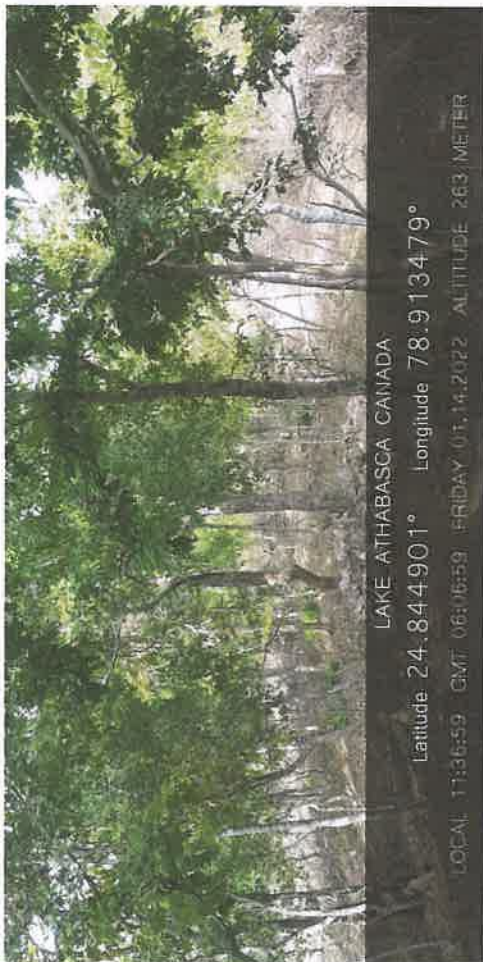




State Level Environment Impact  
 Assessment Authority, M.P.

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













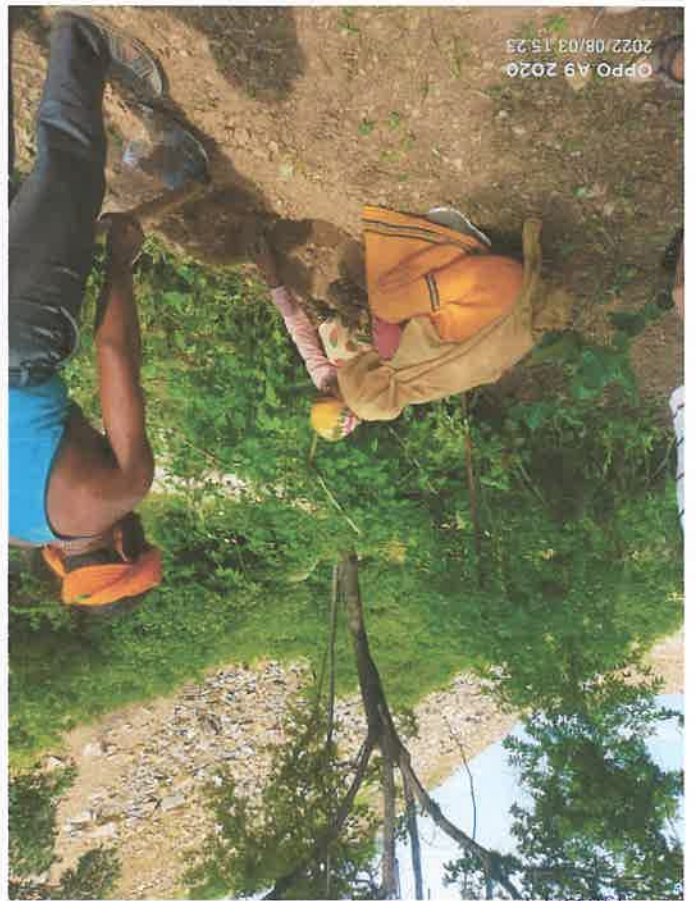
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State Level Environment Impact  
Assessment Authority, M.P.  
(EPCO)  
Paryavaran Parishad  
E-5, Arera Colony, Bhopal (M.P.)





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कल्याणजी आ. शिंदेजी मठ  
(EPCO)  
Paryaveran Parisar  
E-5, Arera Colony, Bhopal





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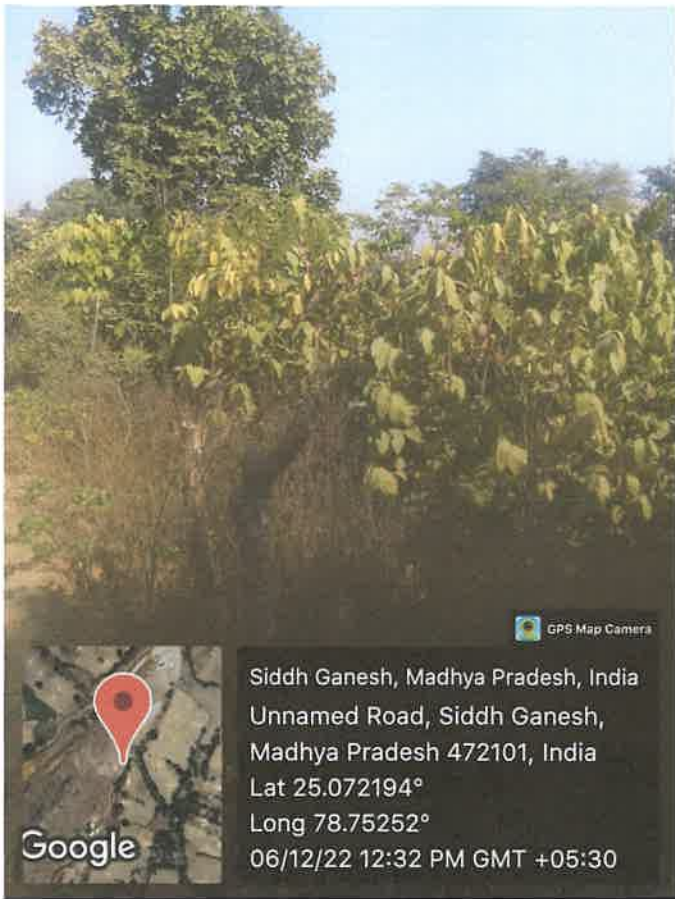
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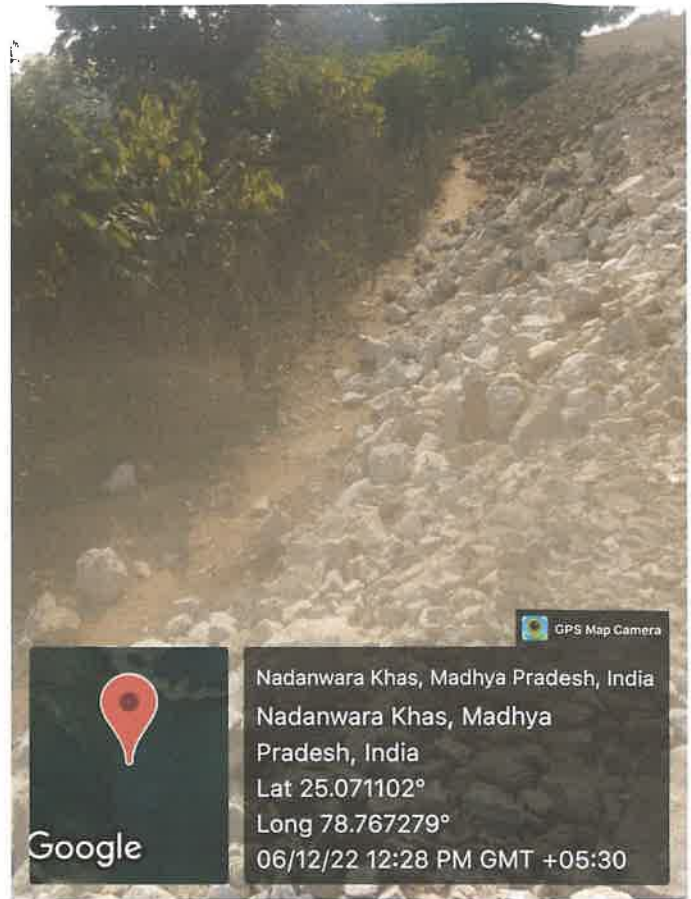


State Level Environment Impact  
Assessment Authority (M.P.)  
(EPCAA)  
Paryavaran Parisar  
E-5, Arera Colony, Bhopal (M.P.)

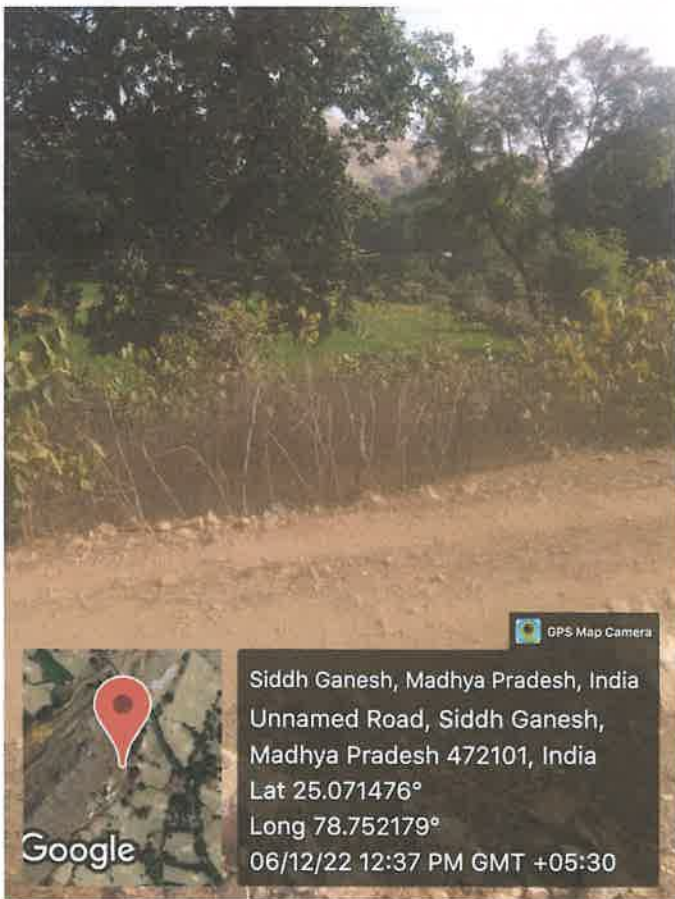




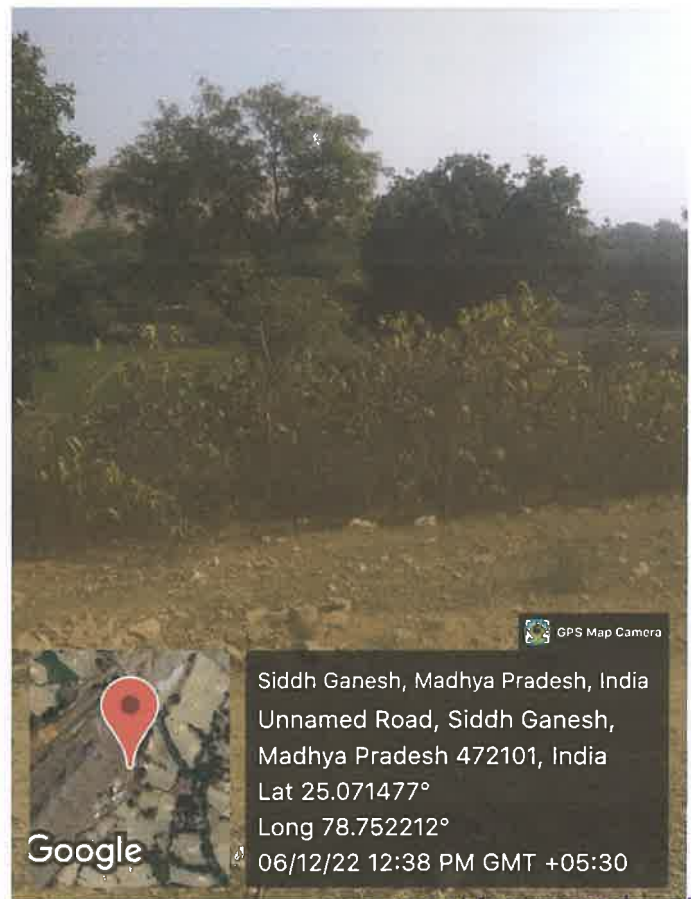
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Madhya Pradesh 472101, India  
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Nadanwara Khas, Madhya Pradesh, India  
Nadanwara Khas, Madhya  
Pradesh, India  
Lat 25.071102°  
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Siddh Ganesh, Madhya Pradesh, India  
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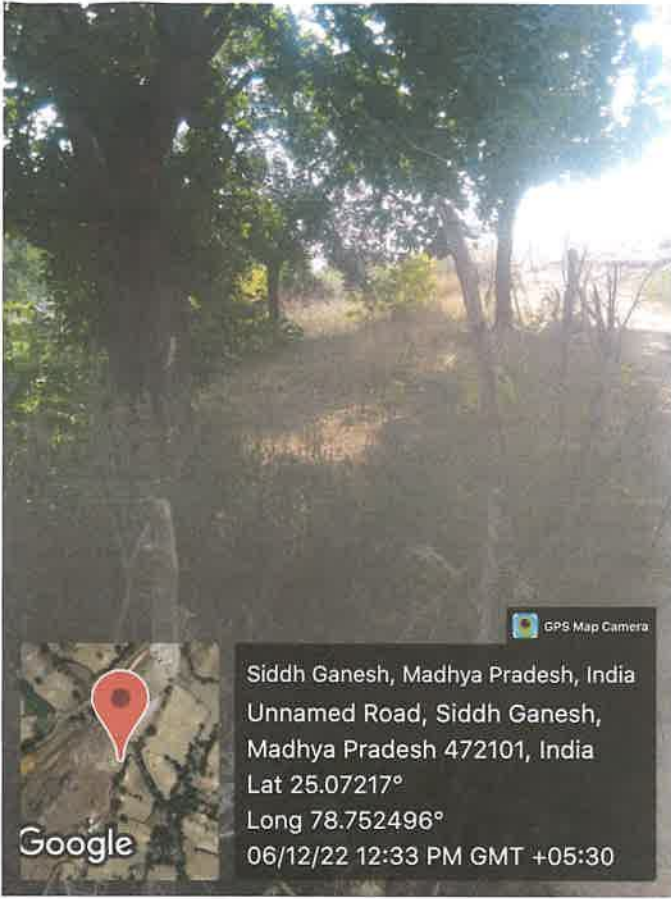


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Madhya Pradesh 472101, India  
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State Level Environmental Impact  
Assessment Authority, M.P.

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

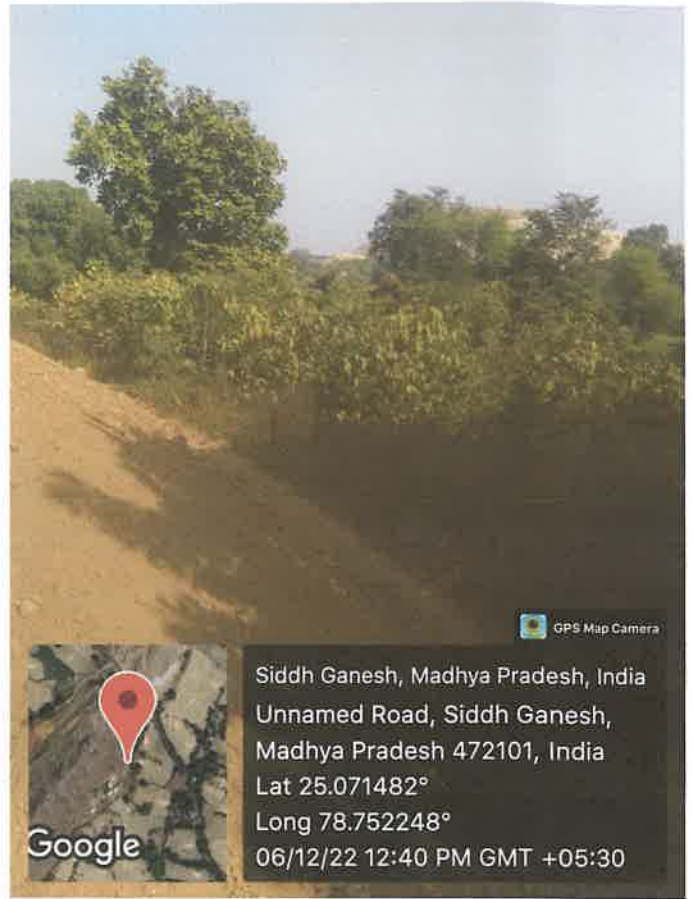




GPS Map Camera

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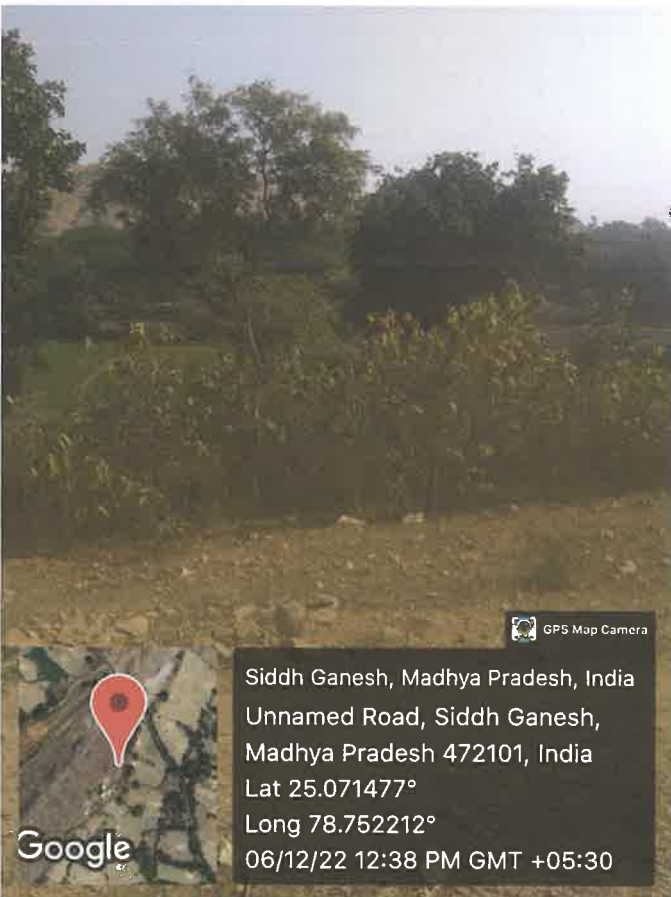
Google



GPS Map Camera

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 Madhya Pradesh 472101, India  
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Google



GPS Map Camera

Siddh Ganesh, Madhya Pradesh, India  
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Google



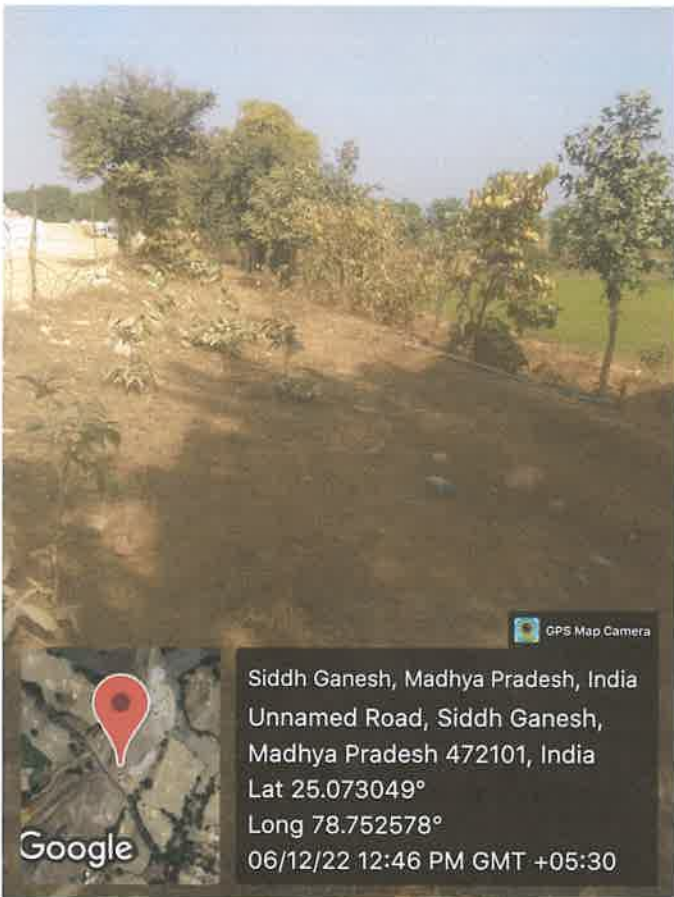
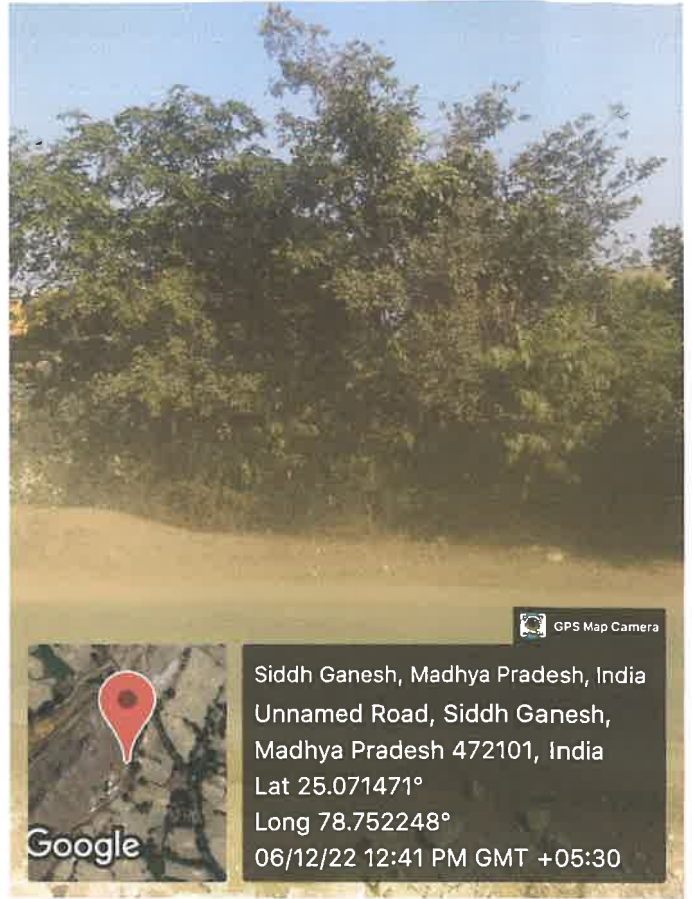
GPS Map Camera

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 Madhya Pradesh 472101, India  
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Google

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





State Level Environment Impact  
 Assessment Authority, M.P.  
 (EIA-2006)  
 Pankaj Parisar  
 E-5, Arista Colony, Bhopal (M.P.)





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





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





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





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State Level Envrn.  
Assessment Authority  
(SEAA)  
Paryavaran Parishad  
E-5, Arera Colony, Bhopal (M.B.)






  
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.)





  
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.)





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



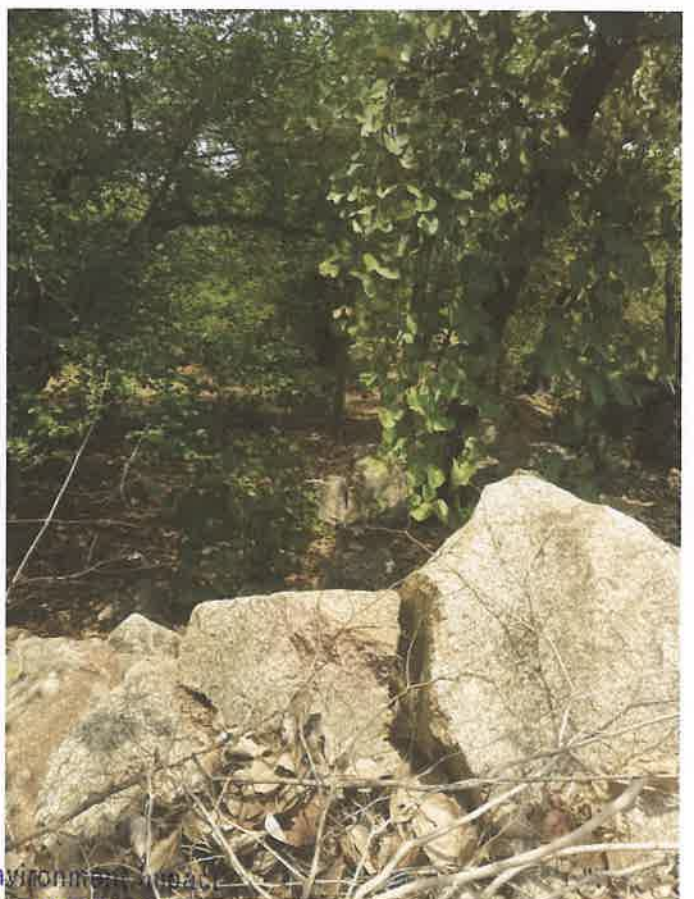






Assessment Authority, M.P.  
 (EPCO)  
 Paryavaran, Bhopal  
 E-5, Arera Colony, Bhopal (M.P.)





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

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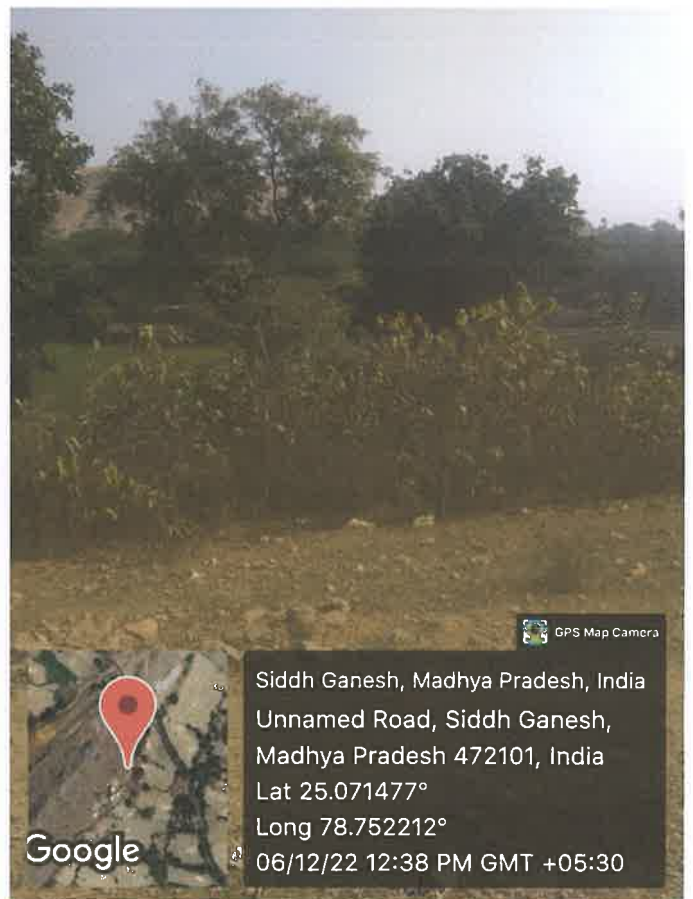
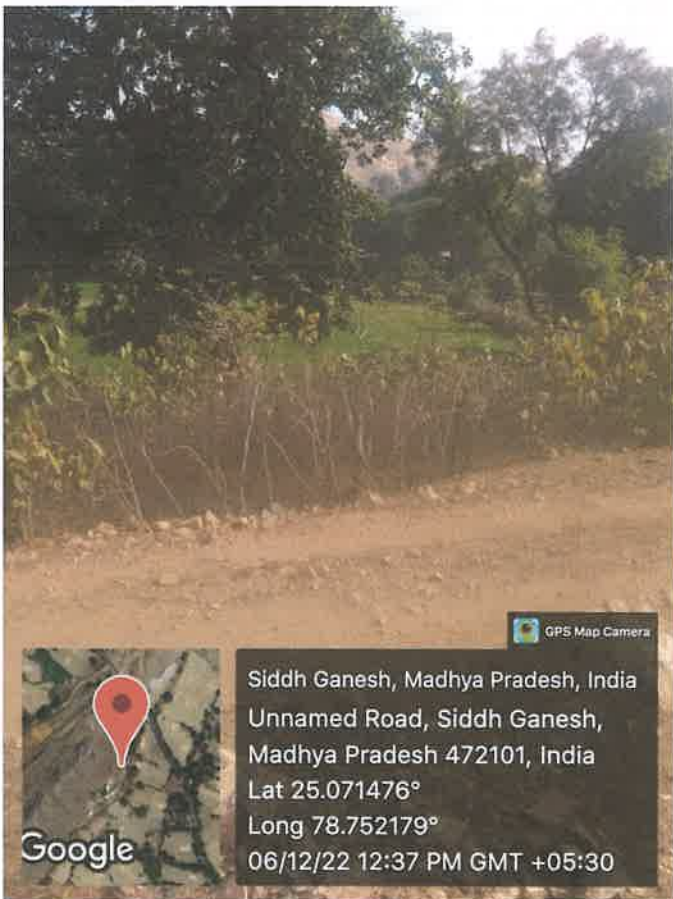
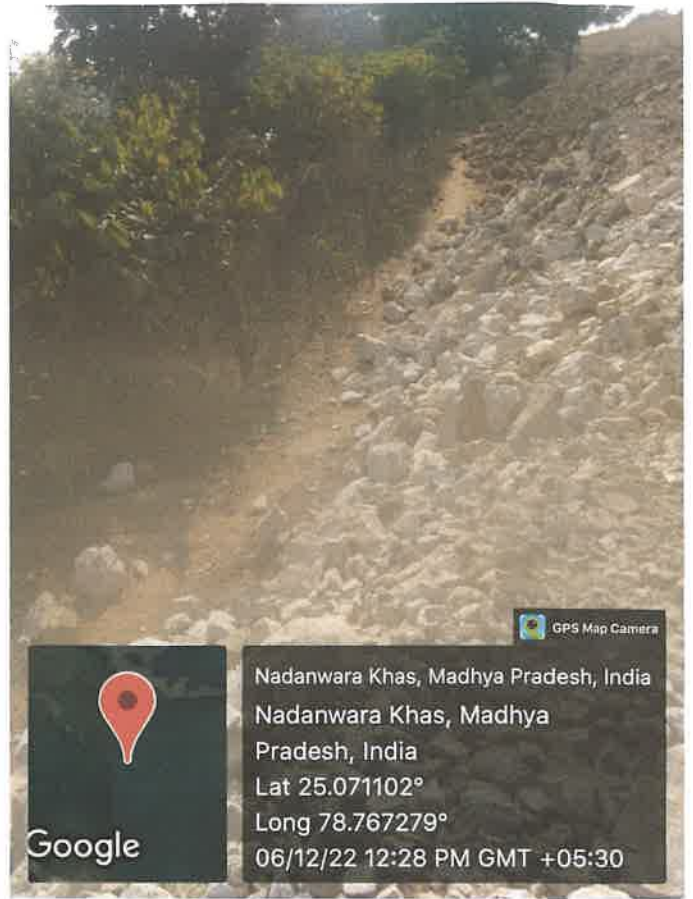
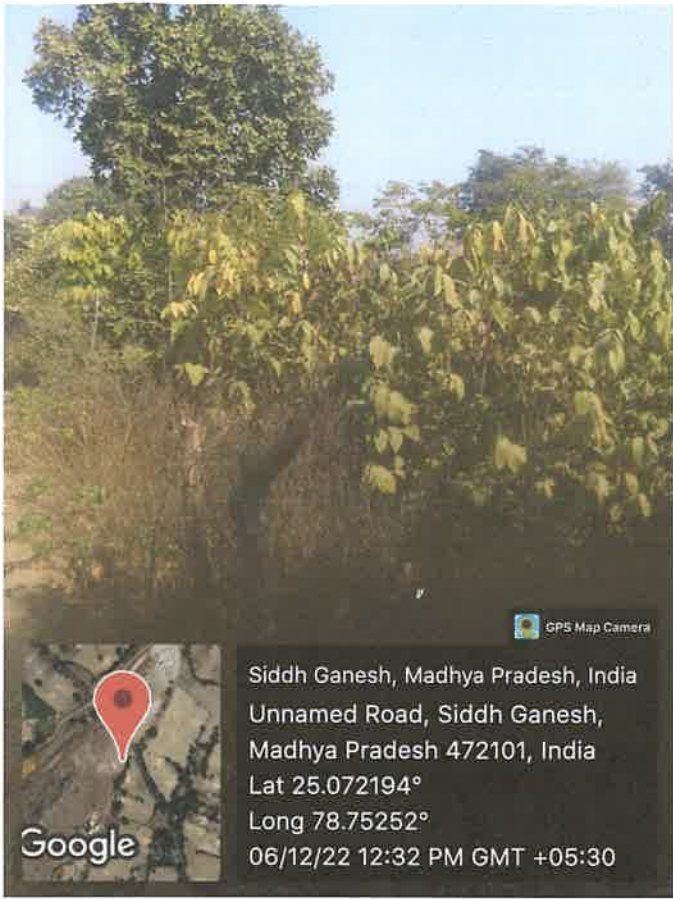
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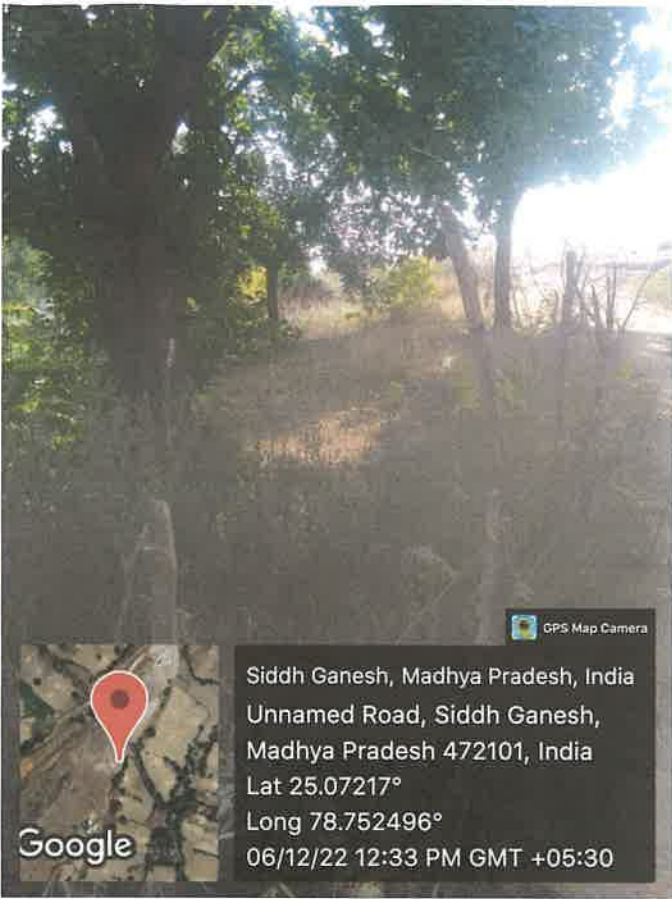
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Assessment Authority, M.P.  
(EPCO)  
Paryavaran Road  
E-5, Arera Colony, Bhopal (M.P.)





Assessment of ...  
(EPCO)  
Paryavaran Parishad  
E-5, Arera Colony, Bhopal (M.P.)



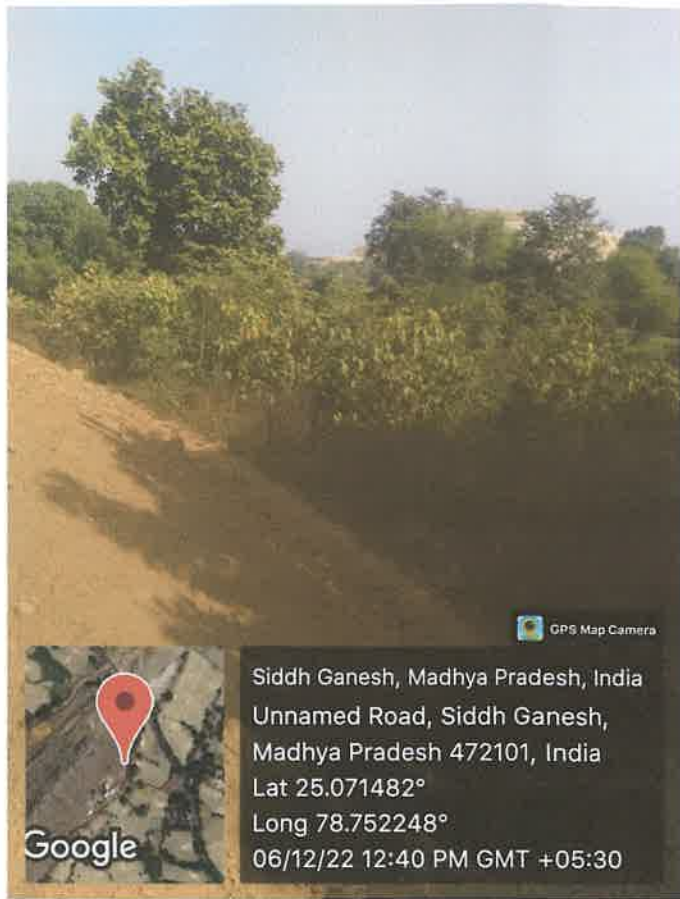


GPS Map Camera



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Google

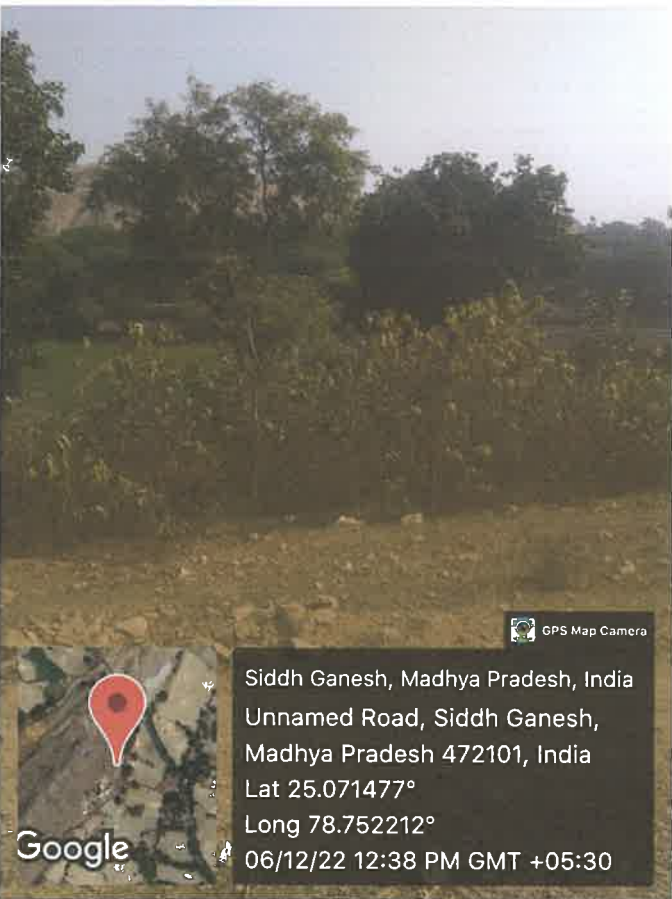


GPS Map Camera



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Google



GPS Map Camera



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Google



GPS Map Camera



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



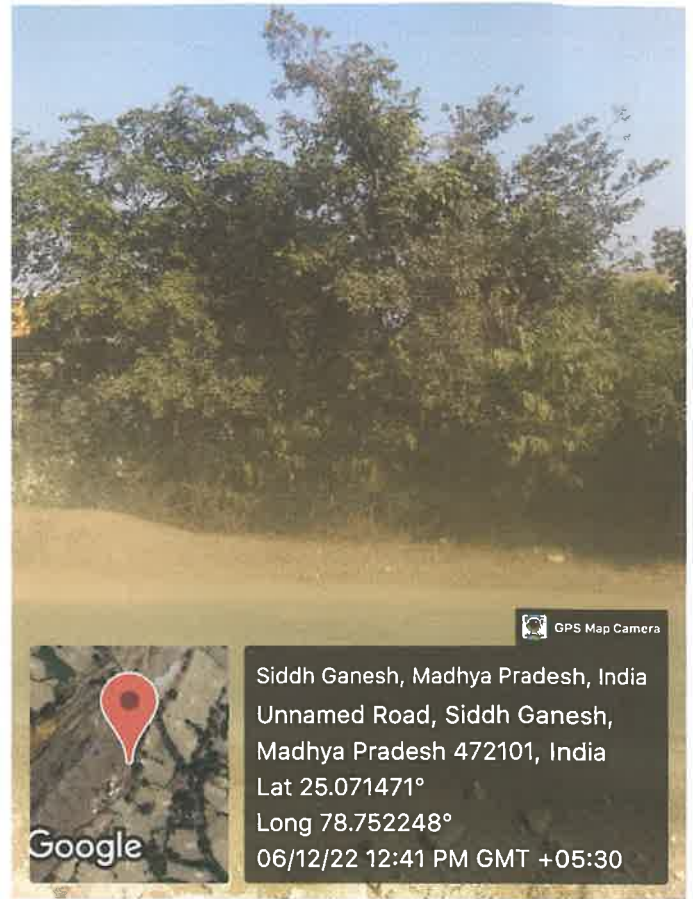


GPS Map Camera



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GPS Map Camera



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GPS Map Camera



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Google



1. स्वदात का नाम- सैरा-1  
2. पर्यावरण प्रभाव का नाम-  
इंस्टीट्यूट मीटरल्स  
3. स्वदात का निर्माण- 2021  
4. लॉज की वैधता- 22-05-2027

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





  
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 (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.)





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





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State Level Environment Impact  
Assessment Authority, M.P.  
(SEIAA)  
Panchajanya, Bhopal  
E-5, A-1, B-1, C-1, D-1, E-1, F-1, G-1, H-1, I-1, J-1, K-1, L-1, M-1, N-1, O-1, P-1, Q-1, R-1, S-1, T-1, U-1, V-1, W-1, X-1, Y-1, Z-1 (M.P.)





*Abhinav*

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

Paryavaran Parisar  
E-6, Arera Colony, Bhopal (M.P.)



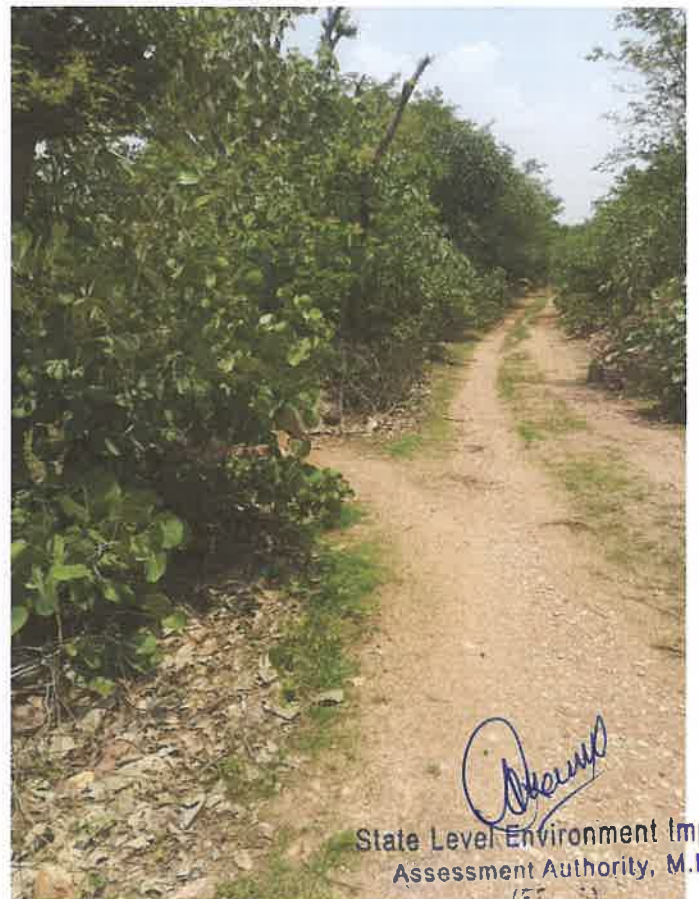


State Level Environment Impact  
Assessment Authority, M.P.

(E-5)

Parisar  
E-5, / (M.P.)





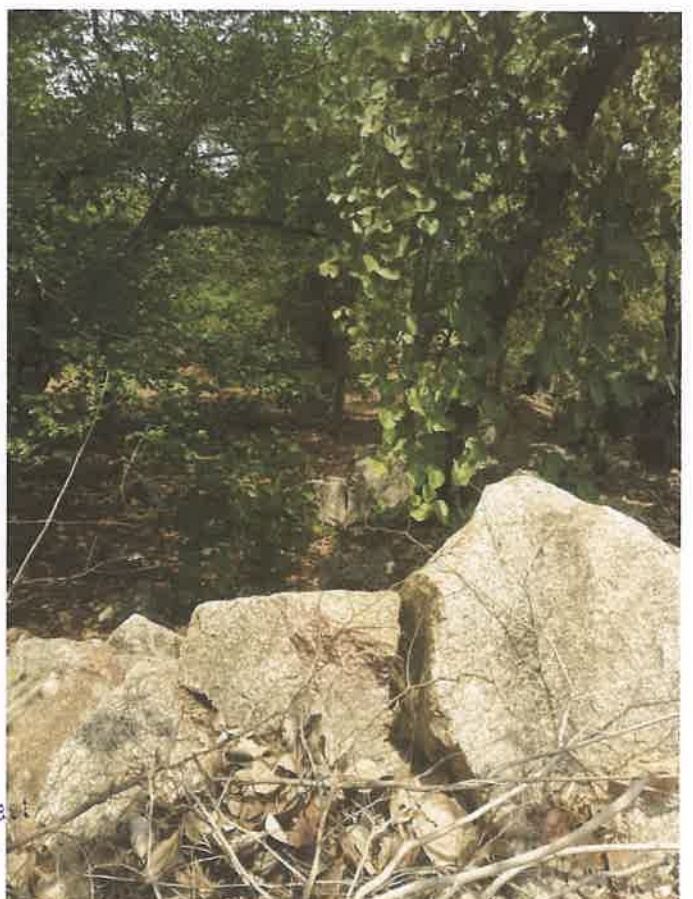
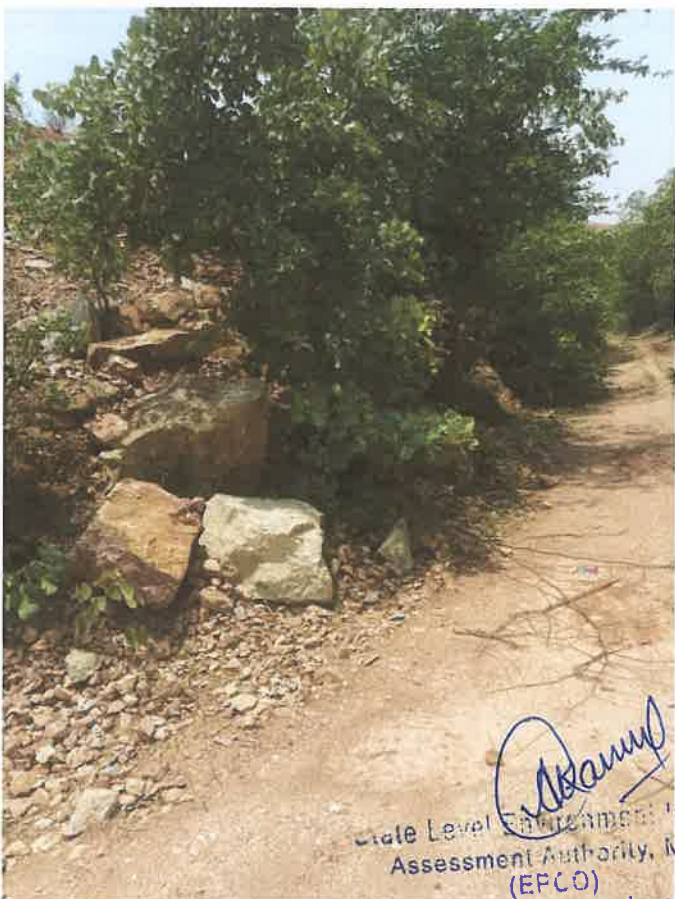
  
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 (EIA)






  
 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.)





  
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  
C/o. Atera Colony, Bhopal (M.P.)