



# 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: 2106 / SEIAA/2022

Date: 25/11/22

प्रति,

कलेक्टर

जिला - शहडोल (म.प्र.)

विषय: नवीन जिला सर्वेक्षण रिपोर्ट - शहडोल (रित खनिज )

संदर्भ: आपका पत्र क्र. 848, दिनांक 04/10/22

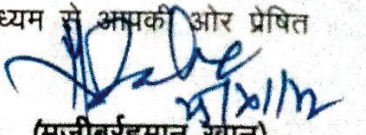
राज्य स्तरीय समाघात निर्धारण प्राधिकरण द्वारा 757वी बैठक दिनांक 18.11.2022 में निम्नानुसार निर्णय लिया गया:-

राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति (SEAC) की 604वीं बैठक दिनांक 05/11/2022 में शहडोल जिले की जिला सर्वेक्षण रिपोर्ट (रित खनिज) में निम्नानुसार सुझाव सहित अनुशंसा की गई है:

".....समिति ने परीक्षण उपरांत यह पाया कि शहडोल जिले की सर्वेक्षण रिपोर्ट को सेक की 598वीं बैठक दिनांक 07 अक्टूबर 2022 को सिया को अनुमोदन हेतु विचारार्थ एवं आगामी कार्यवाही हेतु राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण (SEIAA) की ओर प्रेषित की गई थी जो कि टाईपोग्राफीकल त्रुटि के कारण यह वाक्य नहीं लिख पाया गया। अतएव "शहडोल जिले की जिला सर्वेक्षण रिपोर्ट (रित खनिज) को अनुमोदन हेतु विचारार्थ एवं आगामी कार्यवाही हेतु राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण (SEIAA) को प्रेषित है ऐसा पढा जावे, एवं पूर्व में प्रेषित कार्यवाही विवरण 598वीं बैठक दिनांक 21/09/2022 (पृष्ठ क्र. 51) में पूर्ववत् जारी अनुशंसा यथावत् रहेगी।

राज्य स्तरीय समाघात निर्धारण प्राधिकरण (SEIAA) द्वारा विस्तृत चर्चा एवं विचार विमर्श उपरांत SEAC की 604वीं बैठक दिनांक 05/11/2022 के अनुमोदन प्रस्ताव को मान्य करते हुए शहडोल जिले की जिला सर्वेक्षण रिपोर्ट (रित खनिज) का अनुमोदन SEAC द्वारा सुझाई गई उपरोक्त अनुशंसाओं के साथ किया जाता है। तदनुसार जिला कलेक्टर, शहडोल 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 / 2022 भोपाल

दिनांक

प्रतिलिपि :-

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

सदस्य सचिव




# DISTRICT SURVEY REPORT SHAHDOL DISTRICT



## DSR FOR SAND MINING

**Prepared By: DSR Committee Shahdol**



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

598वीं राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति की बैठक  
दिनांक 07 अक्टूबर 2022

आज दिनांक 07/10/22 को जिला सर्वेक्षण रिपोर्टों के प्रस्तुतीकरण के दौरान संचानालय, भौमिकी एवं खनिकर्म, विभाग भोपाल से श्री पी.पी. राय, एवं श्री अशोक सिंघारे, उप खनिज अधिकारी के साथ उपस्थित रहे।

समिति ने पाया कि खनि. अधिकारी, कार्यालय कलेक्टर, (खनिज शाखा) जिला- अशोकनगर को पत्र क्र 150 दिनांक 29/09/22 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 अशोकनगर जिले की जिला सर्वेक्षण रिपोर्ट (अन्य गौण खनिज - रेत को छोड़कर) अनुमोदन हेतु विचारार्थ एवं आगामी कार्यवाही हेतु राज्य स्तरीय पर्यावरण समाधान निर्धारण प्राधिकरण की ओर प्रेषित की जाये।

(ज) जिला सर्वेक्षण रिपोर्ट-शहडोल

1. जिला सर्वेक्षण रिपोर्ट ( रेत खनिज ) शहडोल

Mineral	Sand
Earlier DSR Discussed	SEAC 594 <sup>th</sup> Meeting dated 21.09.2022
Approved /or recommend for Updation (if Updation then elaborate issues)	Recommended for DSR Updation (Sand Mineral)
Deliberation in the SEAC 594 <sup>th</sup> Meeting dated 21.09.2022	राज्य स्तरीय मूल्यांकन समिति की 594वीं बैठक दिनांक 21/09/22 जिला सर्वेक्षण रिपोर्ट - रेत खनिज, जिला - शहडोल  आज दिनांक 21/9/22 को जिला सर्वेक्षण रिपोर्टों के प्रस्तुतीकरण के दौरान संचानालय, भौमिकी एवं खनिकर्म, विभाग भोपाल से श्री पी.पी. राय एवं श्री प्रमोद शर्मा, खनिज अधिकारी के साथ उपस्थित रहे। जिले की संशोधित शहडोल जिला सर्वेक्षण रिपोर्ट में पाया गया कि:-  • पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, नई दिल्ली द्वारा जारी अधिसूचना दिनांक 25/07/2018 की अधिसूचना में निर्देशित की गयी तालिका में जो लीजवार लंबाई, चौड़ाई एवं गहराई के साथ जो मिनेरल पोर्टेशियल की गणना की गयी है उसको पुनः किया जाना प्रस्तावित है।  चर्चा उपरांत समिति की यह अनुशंसा है कि शहडोल की जिला सर्वेक्षण रिपोर्ट को समिति की सुझाई गयी उपरोक्त अनुशंसाओं के तारलम्य में अद्यतन (अपडेट) किया जाये तथा संशोधित जिला सर्वेक्षण रिपोर्ट पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय की अधिसूचना दिनांक 25/07/18 के अनुसार पुनः प्रस्तुत की जावे तत्संबंध में उपस्थित खनिज अधिकारी को भी उपरोक्त संदर्भ में समझाईश दी गयी।
Revised DSR received from District Collectorate (Mining)	Vide District Collectorate (Mining) Office, Shahdol letter No. 848 dated 04.10.2022



**598वीं राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति की बैठक**  
**दिनांक 07 अक्टूबर 2022**

SEAC meeting  
dated 07/10/22

जिले की जिला सर्वेक्षण रिपोर्ट में तालिका क्र०. निरंक Annexure-III पेज न०. 60 से 64 में माइनेबल मिनरल पोर्टेशियल (घनमीटर में) 60% टोटल मिनरल पोर्टेशियल, लीजवार, लंबाई, चौड़ाई एवं गहराई के साथ दर्शाया है एवं विगत 03 वर्षों के उत्खनित रेत की मात्रा का लीजवार पोर्टेशियल दिया गया है। जिससे ज्ञात हो सके कि उस स्थल पर खदान का मिनरल पोर्टेशियल विगत 03 वर्षों में कितना रहा।

आज दिनांक 07/10/22 को जिला सर्वेक्षण रिपोर्टों के प्रस्तुतीकरण के दौरान संचानालय, भौमिकी एवं खनिकर्म, विभाग भोपाल से श्री पी.पी. राय, एवं श्री श्री प्रमोद शर्मा, खनिज अधिकारी, के साथ उपस्थित रहे।

चर्चा उपरांत समिति ने पाया कि खनि. अधिकारी, कार्यालय कलेक्टर, (खनिज शाखा) जिला- शहडोल के पत्र क्र० 848, दिनांक 04/10/22 के माध्यम से मिनरल पोर्टेशियल की गणना में आवश्यक संशोधन कर रेत की 60 प्रतिशत माइनेबल पोर्टेशियल (रेत खनन हेतु) मीट्रिक टन यूनिट में प्रस्तुत कर दी गई है मिनरल पोर्टेशियल की गणना दर्शाने वाली टेबल में आवश्यक संशोधन कर रेत की 60 प्रतिशत माइनेबल पोर्टेशियल (रेत खनन हेतु) मीट्रिक टन यूनिट में प्रस्तुत कर दी गई है।

समिति ने जिला सर्वेक्षण रिपोर्टों के प्रस्तुतीकरण एवं परीक्षण में पाया कि रेत की कई स्वीकृत खदानों में 60 प्रतिशत माइनेबल पोर्टेशियल तथा विगत 03 से 05 वर्षों के उत्पादन की मात्रा में 10 गुना से भी अधिक का अंतर है जिसके संदर्भ में उपस्थित खनन अधिकारियों द्वारा बताया गया कि विगत 02 से 03 वर्षों में कोविड महामारी, मांग कम होने इत्यादि के कारण कुछ खदानों से रेत की निकासी काफी कम हुई है जिस कारण यह अंतर परिलक्षित हो रहा है। समिति ने चर्चा उपरांत निर्णय लिया कि रेत खनन के ऐसे प्रकरण जहां 60 प्रतिशत माइनेबल पोर्टेशियल तथा विगत 03 से 05 वर्षों के उत्पादन की मात्रा में 05 गुना या उससे से भी अधिक का अंतर है ऐसे सभी प्रकरणों में पर्यावरणीय अभिस्वीकृती हेतु प्रकरण ऑन लाईन प्रस्तुत करते समय उनकी अनुमोदित खनन योजना में उस स्थल की सारगर्भित रिप्लेनिशमेंट स्टडी प्रस्तुत की जाये तथा 60 प्रतिशत माइनेबल पोर्टेशियल के विरुद्ध 05 गुना या उससे से भी अधिक रेत की मात्रा के अंतर का औचित्य दर्शाया जाये।

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

## 2. अन्य गौण खनिज – रेत को छोड़कर, जिला शहडोल

कार्यालय कलेक्टर के पत्र क्र०. 19 दिनांक 07/10/2022 के माध्यम से जिला सर्वेक्षण रिपोर्ट- शहडोल (अन्य गौण खनिज) की जिला सर्वेक्षण रिपोर्ट उप समिती का अनुमोदन एवं जिला पोर्टल पर रखने के उपरांत प्रस्तुत की गई है।



**598वीं राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति की बैठक**  
**दिनांक 07 अक्टूबर 2022**

Mineral	Other than Sand
Earlier DSR Discussed	SEAC 592 <sup>th</sup> Meeting dated 06.09.22
Approved /or recommend for Updation (if Updation then elaborate issues)	Recommended for DSR Updation (Other than Sand )
Deliberation in the SEAC 591 <sup>th</sup> Meeting dated 27.08.22	<p>राज्य स्तरीय मूल्यांकन समिति की 591 वीं बैठक दिनांक 27/08/22 आज दिनांक 06/9/22 को जिला सर्वेक्षण रिपोर्टों के प्रस्तुतीकरण के दौरान संचानालय, भौमिकी एवं खनिकर्म, विभाग भोपाल से श्री पी.पी. राय एवं श्री प्रमोद शर्मा, खनिज अधिकारी के साथ उपस्थित रहे । जिले की संशोधित शहडोल जिला सर्वेक्षण रिपोर्ट (गौण खनिज) मे पाया गया कि:-</p> <ol style="list-style-type: none"> <li>1. पेज 12 टेबल न0.निरंक की तालिका में 16 बिन्दुओं की जानकारी नहीं दी गयी है। जिससे लीज के अक्षांश -देशांश की जानकारी भी नहीं है।</li> <li>2. लीजवार हरित क्षेत्र विकास की जानकारी भी नहीं दी गयी है।</li> <li>3. जिले मे उपलब्ध कुल खनिज भण्डार की जानकारी देवें।</li> <li>4. जिले मे उपलब्ध कुल खनिज की क्वालिटी /ग्रेड की जानकारी देवें।</li> <li>5. पिछले 03 वर्षों के दौरान मांग और पूर्ति की जानकारी देवें।</li> <li>6. जिले में पारिस्थितिकी, संवेदनशील क्षेत्र (ESZ) यदि कोई हो तो जानकारी देवें।</li> </ol> <p>चर्चा उपरांत समिति की यह अनुशांसा है कि शहडोल की जिलासर्वेक्षण रिपोर्ट को समिति की सुझाई गयी उपरोक्त अनुशांसाओं के तारतम्य में अद्यतन (अपडेट) किया जाये तथा संशोधित जिला सर्वेक्षण रिपोर्ट पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय की अधिसूचना दिनांक 25/07/18 के अनुसार पुनः प्रस्तुत की जावे तत्संबंध में उपस्थित खनिज अधिकारी को भी उपरोक्त संदर्भ में समझाईश दी गयी।</p>
Revised DSR received from District Collectorate ( Mining)	Vide District Collectorate ( Mining) Office, Shahdol , No. 19 dated 07.10.2022
Hard Copy Soft Copy or both	Hard copy
SEAC meeting dated 07/10/22	<ul style="list-style-type: none"> <li>• जिले की जिला सर्वेक्षण रिपोर्ट के टेबिल क्रमांक-9 (पेज क0. निरंक) में खदान की जानकारी निर्धारित प्रपत्र मे दे दी गई है।</li> <li>• जिले में हरित क्षेत्र के विकास हेतु पूर्व के वर्षों में लीज धारकों द्वारा किये गये वृक्षारोपण की जानकारी, संख्या एवं प्रजातियों की जानकारी जिला सर्वेक्षण रिपोर्ट टेबिल क्रमांक-9 (पेज क0.निरंक ) मे दे दी गई है।</li> </ul>

आज दिनांक 07/10/22 को जिला सर्वेक्षण रिपोर्टों के प्रस्तुतीकरण के दौरान संचानालय, भौमिकी एवं खनिकर्म, विभाग भोपाल से श्री पी.पी. राय, एवं श्री प्रमोद शर्मा, खनिज अधिकारी के साथ उपस्थित रहे।

समिति ने पाया कि खनि, अधिकारी,कार्यालय कलेक्टर,(खनिज शाखा) जिला- शहडोल के पत्र क0 19 दिनांक 07/10/22 के माध्यम खदान की जानकारी निर्धारित प्रपत्र मे दे दी गई है तथा लीज

**598वीं राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति की बैठक**  
**दिनांक 07 अक्टूबर 2022**

धारकों द्वारा किये गये वृक्षारोपण की जानकारी, पौधों की संख्या एवं प्रजाति भी प्रस्तुत कर दी गई है। अतः समिति शहडोल जिले की जिला सर्वेक्षण रिपोर्ट (अन्य गौण खनिज – रेत को छोड़कर) अनुमोदन हेतु विचारार्थ एवं आगामी कार्यवाही हेतु राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण की ओर प्रेषित की जाये।

**(ह) अन्य गौण खनिज, जिला - बैतूल**

Mineral	Other than Sand
Earlier DSR Discussed	SEAC 595 <sup>th</sup> Meeting dated 22.09.22
Approved /or recommend for Updation (if Updation then elaborate issues)	Recommended for DSR Updation (Other than Sand )
Deliberation in the SEAC 594 <sup>th</sup> Meeting dated 22.09.22	<p>राज्य स्तरीय मूल्यांकन समिति की 595 वीं बैठक दिनांक 22/09/22</p> <p>कार्यालय कलेक्टर के पत्र क्र. 1368 दिनांक 19/09/2022 के माध्यम से जिला सर्वेक्षण रिपोर्ट- बैतूल (रेत खनिज) की जिला सर्वेक्षण रिपोर्ट उप समिति का अनुमोदन एवं जिला पोर्टल पर रखने के उपरांत प्रस्तुत की गई है।</p> <p>जिले की बैतूल जिला सर्वेक्षण रिपोर्ट (अन्य गौण खनिज) में पाया गया कि:-</p> <ol style="list-style-type: none"> <li>1. प्रस्तुत संशोधित जिला सर्वेक्षण रिपोर्ट पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय की अधिसूचना दिनांक 25/07/18 में जानकारी निर्धारित फार्मेट (16 बिन्दुओं वाली टेबल) के अनुसार नहीं दी गयी है (तालिका -16 पेज 30)।</li> <li>2. पिछले तीन वर्ष के दौरान उत्पादन किये गौण खनिज का ब्यौरा नहीं दिया गया है।</li> <li>3. बड़वानी जिले में हरित क्षेत्र के विकास हेतु पूर्व के वर्षों में लीज धारकों द्वारा किये गये वृक्षारोपण की जानकारी, संख्या, प्रजातियों की जानकारी को लीज-वार जिसमें यह दर्शाया गया हो कि निर्धारित लक्ष्य के विरुद्ध कितना पौधारोपण किया गया है। इसको भी सम्मिलित करें।</li> </ol> <p>चर्चा उपरांत समिति की यह अनुशंसा है कि बैतूल जिले की जिला सर्वेक्षण रिपोर्ट अन्य गौण खनिज को समिति की सुझाई गयी उपरोक्त अनुशंसाओं के तारतम्य में अद्यतन (अपडेट) किया जाये तथा संशोधित जिला सर्वेक्षण रिपोर्ट पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय की अधिसूचना दिनांक 25/07/18 के अनुसार पुनः प्रस्तुत की जावे तत्संबंध में उपस्थित खनिज निरीक्षक को भी उपरोक्त संदर्भ में समझाईश दी गयी।</p>
Revised DSR received from District Collectorate ( Mining)	Vide District Collectorate ( Mining) Office, Baitul , No. 1481 dated 07.10.2022
Hard Copy Soft Copy or both	Hard copy
SEAC meeting dated 07/10/22	<ul style="list-style-type: none"> <li>• जिले की जिला सर्वेक्षण रिपोर्ट के टेबल क्रमांक-9 (पेज क्र. 16-34 ) में खदान की जानकारी निर्धारित प्रपत्र में दे दी गई है।</li> <li>• जिले में हरित क्षेत्र के विकास हेतु पूर्व के वर्षों में लीज धारकों द्वारा किये गये वृक्षारोपण की जानकारी, संख्या एवं प्रजातियों की जानकारी जिला सर्वेक्षण रिपोर्ट टेबल क्रमांक-26 (पेज क्र. 56-66 ) में दे दी गई है।</li> </ul>



Final

Final  
(SAND)

कार्यालय कलेक्टर (खनिज-शाखा) जिला शहडोल म.प्र.

क्रमांक 19/खनिज/2022 848

शहडोल, दिनांक 04 अक्टूबर 2022

प्रति,

सदस्य सचिव,  
राज्य स्तरीय पर्यावरण संरक्षण  
समिति (SEAA) भोपाल म.प्र.

विषय: संशोधित जिला सर्वेक्षण रिपोर्ट प्रस्तुत करने के संबंध में।  
संदर्भ: SEAC 59वीं बैठक में दिये निर्देशानुसार।

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उपरोक्त विषयान्वित संशोधित का अद्यतन करने का कष्ट करें। SEAC 59वीं की बैठक दिनांक 21.09.2022 में दिये गये निर्देशानुसार जिला शहडोल को जिला सर्वेक्षण रिपोर्ट में आवश्यक संशोधन का संशोधित जिला सर्वेक्षण रिपोर्ट प्रस्तुत है।

भवन्तः उपरोक्तानुसार

04.10.2022  
प्रमुख अधिकारी  
(खनिज)

जिला- शहडोल म.प्र.

पु. क्रमांक 19/खनिज/2022 848  
प्रतिनिधि,

शहडोल, दिनांक 04 अक्टूबर 2022

1. सदस्य सचिव, राज्य स्तरीय पर्यावरण संरक्षण समिति (SEAA) भोपाल की ओर सादर सूचनाएं।
2. संचालक भूमिकी तथा खनिकर्म म.प्र., भोपाल 29.ए खनिज भवन अथवा जिला भूमिकी की ओर सादर सूचनाएं।

04.10.2022  
प्रमुख अधिकारी  
(खनिज)  
जिला- शहडोल म.प्र.

कार्यालय कलेक्टर (खनिज-शाखा) जिला शहडोल म.प्र.

क्रमांक 19/खनिज/2022/ 827  
प्रति,

शहडोल, दिनांक 19 सितम्बर 2022

सदस्य सचिव,  
राज्य स्तरीय विशेषज्ञ मूल्यांकन  
समिति (SEAC) भोपाल म.प्र.

विषय:- 591 वीं राज्य स्तरीय विशेषज्ञ ऑकलन समिति की बैठक दिनांक 27.08.2022 में खनिज रेत की सर्वेक्षण रिपोर्ट में चाही गई जानकारी के संबंध में।

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उपरोक्त विषयांतर्गत जिले की रेत खदानों में रेत मात्रा का ऑकलन जिला सर्वेक्षण रिपोर्ट (डी.एस.आर.) तैयार करने हेतु गठित समिति के द्वारा मौका निरीक्षण कर किया गया।

अनुरोध है कि राज्य स्तरीय विशेषज्ञ ऑकलन समिति (SEAC) की बैठक दिनांक 27.08.2022 में की गई चर्चा एवं दिये गये निर्देशानुसार जानकारी निम्नानुसार है:-

1. विगत वर्षों में कोविड-19 के संक्रमण के कारण उक्त खदानों से पर्याप्त मात्रा रेत खनिज की निकासी नहीं की जा सकी है।
2. विगत वर्षों में खनिज की भाग कम होने के कारण उक्त खदानों से पर्याप्त मात्रा में रेत खनिज की निकासी नहीं की जा सकी है।
3. जिला सर्वेक्षण रिपोर्ट (DSR) तैयार करने हेतु गठित समिति के द्वारा परीक्षण के दौरान जिले की रेत खदानों में माईनेबल मात्रा का उल्लेख रिप्लेनिसमेंट प्लान में किया गया है एवं खदानों में माईनेबल मात्रा से अधिक रेत खनिज का रिप्लेनिसमेंट होना पाया गया है। जानकारी अग्रिम कार्यवाही हेतु सादर सम्प्रेषित है।

संलग्न:- उपरोक्तानुसार

19.9.2022  
प्रभारी अधिकारी  
(खनिज)  
जिला- शहडोल (म.प्र.)

शहडोल, दिनांक सितम्बर 2022

पृ. क्रमांक 19/खनिज/2022/  
प्रतिलिपि:-

1. सदस्य सचिव, राज्य स्तरीय पर्यावरण संघात समिति (SEIAA) भोपाल की ओर सादर सूचनार्थ।
2. संचालक भौमिकी तथा खनिकर्म म.प्र. भोपाल 29-ए खनिज भवन अरेरा हिल्स भोपाल की ओर सादर सूचनार्थ।

19.9.2022  
प्रभारी अधिकारी  
(खनिज)  
जिला- शहडोल (म.प्र.)



कार्यालय कलेक्टर (ग्रामिण-शाखा) जिला शहडोल म.प्र.

प्र.सं.क्र.19/खनिज-2022/1292  
प्रति,

शहडोल, दिनांक 25 अगस्त 2022

सदस्य सचिव

राज्य स्तरीय विधायक मंत्रालय

संविधान (SEIAC) भोपाल म.प्र.

विषय - जिला शहडोल की जिला सर्वेक्षण रिपोर्ट (DSR) के संबंध में।

संदर्भ - संचालक भूमि तथा खनिकर्म म.प्र. भोपाल का पत्र क्र. 9408 भूमि/288/2022 भोपाल  
दिनांक 12.07.2022

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उपरोक्त संदर्भित विषयान्तर्गत लेख है कि शहडोल जिले में गाण खनिजों की जिला सर्वेक्षण रिपोर्ट तैयार की गई है, जो शासन निर्देशानुसार गठित संविधान के अनुसूचन उपखण आगामी कार्यवाही हेतु सादर सम्प्रेषित है।

संलग्न:- जिला सर्वेक्षण रिपोर्ट (DSR)

पृ.क्र.मांक।9/खनिज-2022/1292

शहडोल, दिनांक 25 अगस्त 2022

प्रतिनिधि -

1. सदस्य सचिव, राज्य स्तरीय पर्यावरण संचालक संविधान (SEIAA) भोपाल की ओर सूचनाएं।
2. संचालक भूमि तथा खनिकर्म म.प्र. भोपाल की ओर सूचनाएं।

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कलेक्टर  
राज्य स्तरीय विधायक मंत्रालय

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विषय - गणनात्मक मापदंड मार्गदर्शिका सन 2016 एवं इनफोर्मेशन 2016 के अन्तर्गत जिला सर्वेक्षण रिपोर्ट (D.S.R.) तैयार किये जाने के संबंध में।

शाखा - खनिज  
प्र. अधि. की प्रमाणिका  
एन के मुखिया महा का

कार्यालय कार्यालयीन आदेश पृष्ठांकन क्रमांक 19/खनिज/2022/300 दिनांक 11.3.2022 का अवलोकन करने का कष्ट करे, जिसके द्वारा जिला सर्वेक्षण रिपोर्ट (D.S.R.) तैयार किये जाने हेतु कर्नेकर महोदय द्वारा समिति का गठन किया गया है ध्यज-अ।

क्षेत्रीय कार्यालय रीवा से आये हुये श्री बंशत राम सहायक भौतिक विद रीवा के माध्यम से जिला सर्वेक्षण रिपोर्ट (D.S.R.) तैयार करायी जाकर कर्नेकर महोदय की अनुमति से जिले के पार्लेल पर अफिलोड कराया जा चुका है। प्रश्नकधीन जिला सर्वेक्षण रिपोर्ट (D.S.R.) का अनुमोदन शासन के आदेशानुसार गठित समिति के समक्ष प्रस्तुत कर अनुमोदन कराया जाना है।

अतः समिति की बैठक आयोजित किये जाने हेतु पत्र तैयार किया जाकर अवलोकनार्थ एवं हस्ताक्षर हेतु प्रस्तुत है।

प्र. अधि. ख  
कर्नेकर महो.

17.8.2022  
21/8/22

उपरोक्त विषयांतर्गत अवलोकन करने का कष्ट करे, गणनात्मक भौतिकी तथा खनिजकर्म म.प्र. भोपाल के पत्र क्र. दिनांक 03.03.2022 के निर्देशानुसार जिला सर्वेक्षण रिपोर्ट तैयार (DSR) करने हेतु गठित समिति द्वारा गठित जिले की जिला सर्वेक्षण रिपोर्ट तैयार की गई, तदनुसार शासन निर्देशानुसार उक्त जिला सर्वेक्षण रिपोर्ट (DSR) को जिले की वेबसाइट (NIC) पर दिनांक 27.07.2022 को जन सामान्य की अवधि एवं सुझाव हेतु प्रकाशित कराया गया। नियम अर्थात् के उपरोक्त आवश्यक सुधारों का समावेश कर मंत्रालय महोदय के निर्देशानुसार गठित समिति की बैठक में दिनांक 18.08.2022 जिला सर्वेक्षण रिपोर्ट का अनुमोदन कराया गया है। अतः जिला सर्वेक्षण रिपोर्ट (DSR) को शासन निर्देशानुसार अगामी कार्यवाही हेतु सर्वस्य/संचय SEAC को प्रेषित किया जाना उचित होगा।

कृपया पत्र अवलोकनार्थ एवं हस्ताक्षरार्थ प्रस्तुत है।

प्र. अधि. ख  
कर्नेकर महो.  
coll. madam  
myc.

Vau  
21/8/22

24.8.2022  
21/8/22

21.8.2022



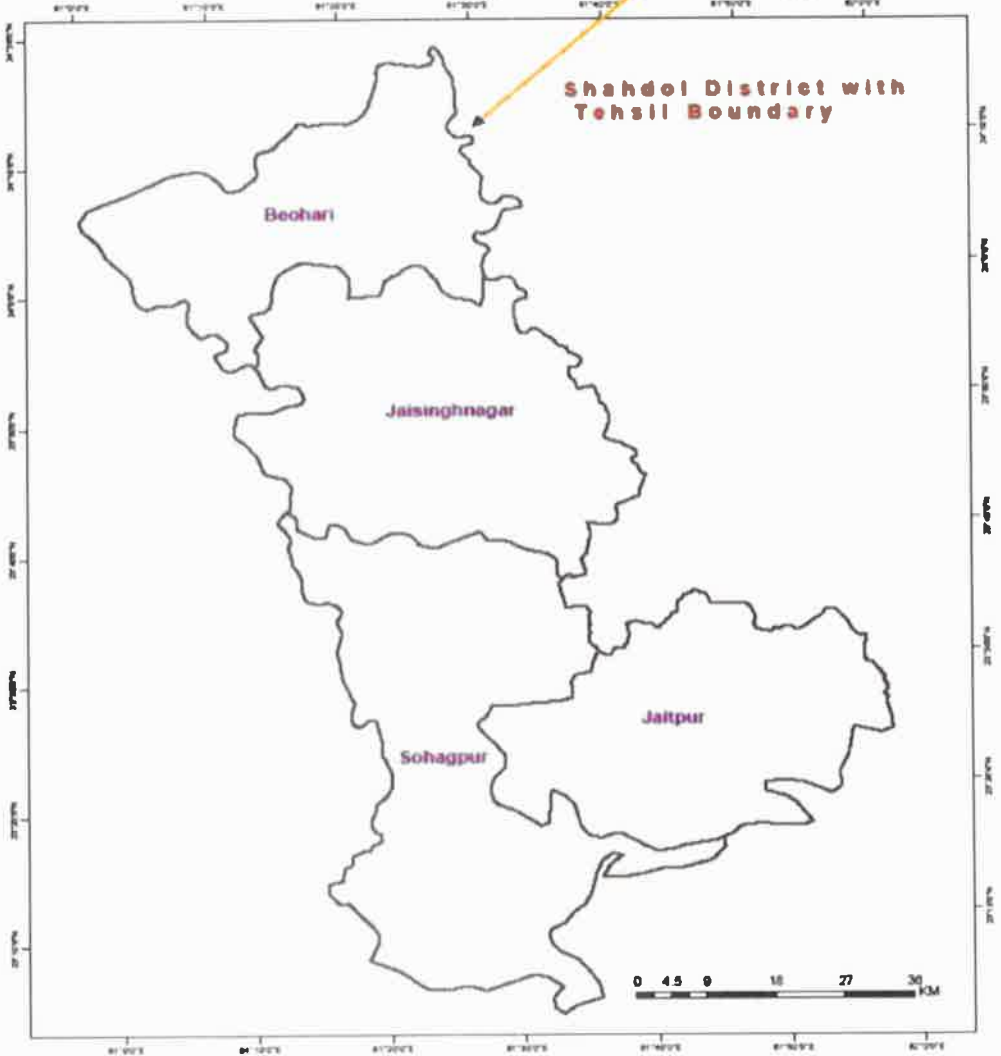
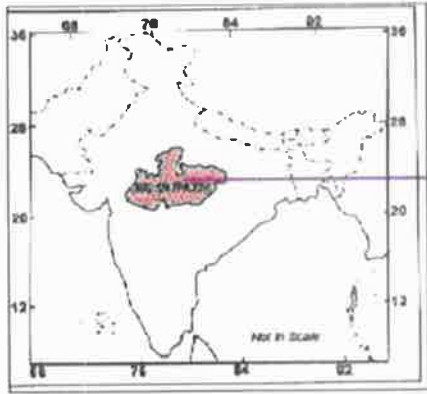
**ग्रामा सर्वेक्षण रिपोर्ट**  
 दिनांक - 18.8.2022

**उपस्थित झुग्गीवादी व**

क्र.सं.	झुग्गीवादी/दफ्तरीकरण नाम एवं पता	सं.सं.	हस्ताक्षर आधिकारी
1.	शंजीत कुमार मेहता पेडी (उपस्थित)	98930 7011	
2.	प्रदीप कुमार नाम पत्तन मंत्री, जल संधारण स्थान नं.2 राहबेल	9926737777	Pradeep Kumar 19/8/22
3.	प्रधान रामा S.P.M. चौबागपुर	942502981	
4.	राम कुमार निरवका रेज आफीस राहबेल	9424794435	
5.	प्रमोद रामा रुविज कर्मचारी	रुविज कर्मचारी 9425760055	

18.8.2022.  
 ग्रामाधी आधिकारी  
 (सचिव)  
 ग्रामा - राहबेल (म.प्र.)

Location Map of Shahdol District



*(Signature)*

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## CHAPTER-1 INTRODUCTION

The District Survey Report was prepared by the According to Para 7 (iii) Annexure 10 of the revised notification dated 25 July 2018 issued by the Ministry of Environment, Forest and Climate Change, Government of India, provisions have been made to prepare a separate district survey report for sand minerals in the Sand and Enforcement and Monitoring Guidelines for Sand Mining 2020. The main purpose to prepare the district survey report is to identify the land increase or divisional areas and its infrastructure, structure and installation, distance from where the mining is prohibited and re calculation of annual replenishment and time required for replenishment after mining. The district survey report will be based on the application for evaluation of project.

This report is prepared for Minerals of District Shahdol. District Shahdol comes under Administration of shahdol (M.P.) The District is bounded by sidhi & satna district in north, Umaria in west, Anuppur in south and Chhattisgarh state in east. The Shahdol District is located in the Eastern part of Chhattisgarh state and is covered in Survey of India Degree sheet Nos.' 63D, 63H, 64 A & 64 E between Latitude 23° 03'-24°20' and Longitude 80°58'-81°58". District shahdol covers an area of 5,671 square kilometer.


Shahdol is the district head quarter and Sohagpur, Beohari, jaitpur, Burhar, Gohparu and jaisinghnagar are some of the Tehsil Place. Shahdol is located on the Bilaspur-katni section of the south-eastern railways. All important places within the district are well connected by a network of state highways and all weather roads, The Son River and its tributaries drain central part of the district. Narmada and johilla rivers originate from Amarkantak (1062m).

The Shahdol district is located in the north-eastern part of the deccan plateau, It lies at the trijunction of maikal ranges of the satpura Mountain, the foot of the kymore Range of the Vindhya Mountain. In between these hill ranges lies the narrow valley of the Son and its tributaries.

  
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Physiographically, structural land forms, represented by plateau and low lying plains with average altitude of 450m to 500m above MSL, are developed in northern-eastern and north-western and central parts of the district. In the southern part of the District, hills and highlands of Maikal Range and high to medium level (500 m to 990m) plateau and flat topography,

Step like terraces are developed. Fluvial land forms represented by flood plains are present along the western boundary of the district. The maximum elevation of the area is 1123m above mean sea level at Singharh Hill (23°03' 4" N; 81°27' 37" E) in Satpura hills in southern part of the district. Tributaries of Son River in the district are Johila, Gujar Kewai and Tipan rivers. The primary occupation of the majority of the population in the district is agriculture and allied activities. On one side the spectrum of its floristic socio-cultural diversity and ethnic history of tribal.

  
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## CHAPTER-2 OVERVIEW OF MINING ACTIVITY IN THE DISTRICT

Shahdol district is an important district for mineral deposits in Madhya Pradesh, in which coal, coal bed methane gas, fire clay, ocher's and iron ore, are the main minerals. The Minor minerals are Dolerite, Laterite, Marble, stone, murum and River sand etc. are also found in huge quantity in the district.

Shahdol district has 12 coal mines, 01 Coal bed methane gas plant, 172 stone Mines, and 50 sand mine (tender) in total. In which 11 coal mines are operating by south eastern coal mine, this is subsidiary of Coal India limited, 01 coal block is operated by altra Tech. Company, Coal bed methane gas plant is running by Reliance industries. According to previous year and current financial year, shahdol district revenue is continuously increasing.

State Government, is carrying on various infrastructure development projects in all districts, like pachri Nirman, Dams, Over bridge on rivers/ nalla, approach roads etc. in addition to these various power plants, steel plant and cement plants in private sectors are under implementations, all above civil works require stone boulders in different sizes which is in huge in demand.

**Total Yearly Revenue in all Minerals during last three financial years is as follows:**

S.N	FINANCIAL YEAR	REVENUE
1	2019 - 20	1501283843.00
2	2020 - 21	1488011910.00
3	2021 - 22	2064338928.00


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**CHAPTER-3**  
**THE LIST OF MINING LEASES IN THE DISTRICT WITH**  
**LOCATION, AREA AND PERIOD OF VALIDITY**


क्र.	ग्राम का नाम	तहसील का नाम	खमरा क्रमांक	रकबा हेक्टेयर	लीज अवधि	नदी का नाम	जी.पी.एम. गिडिंग
1	चाका	बुढाग	853/1317	2.023	30/06/2023	मोन नदी	A- 23°13'52.60"N 81°35'37.90"E B- 23°13'51.73"N 81°35'34.87"E C- 23°13'59.19"N 81°35'33.99"E D- 23°13'59.40"N 81°35'37.24"E
2	बदुग		1279/1567	5.000	30/06/2023	मोन नदी	A- 23°12'40.05"N 81°37'4.64"E B- 23°12'38.54"N 81°37'7.60"E C- 23°12'23.81"N 81°36'56.16"E D- 23°12'24.63"N 81°36'53.08"E
4	पोडीकला- 1	जयमिहनगर	2055/2063	3.900	30/06/2023	मोन नदी	A- 23°51'24.41"N 81°13'23.25"E B- 23°51'20.70"N 81°13'27.76"E C- 23°51'19.64"N 81°13'28.17"E D- 23°51'14.67"N 81°13'25.49"E E- 23°51'16.13"N 81°13'22.30"E F- 23°51'16.78"N 81°13'21.98"E G- 23°51'18.38"N 81°13'19.94"E
5	पोडीकला- 2		1801/2062	4.800	30/06/2023	मोन नदी	A- 23°51'41.52"N 81°13'11.42"E B- 23°51'40.56"N 81°13'6.93"E

  
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							C- 23°51'29.45"N 81°13'11.15"E D- 23°51'30.26"N 81°13'15.86"E
6	भटिगवा चुर्द		91	4.800	30/06/2023	चुंदी नदी	A- 23°38'34.83"N 81°29'40.27"E B- 23°38'34.01"N 81°29'39.79"E C- 23°38'47.73"N 81°29'1.70"E D- 23°38'46.16"N 81°29'0.43"E
7	ममीग		39/534	20.000	30/06/2023	मोन नदी	A- 23°46'9.21"N 81°12'12.86"E B- 23°46'20.09"N 81°12'2.10"E C- 23°46'29.32"N 81°11'56.78"E D- 23°46'30.79"N 81°11'59.85"E E- 23°46'11.65"N 81°12'16.52"E F- 23°45'52.46"N 81°12'27.99"E G- 23°45'32.08"N 81°12'37.61"E H- 23°45'30.51"N 81°12'32.78"E I- 23°45'51.35"N 81°12'24.09"E
8	दतारी		191/242	0.829	30/06/2023	मोन नदी	A- 23°46'34.13"N 81°11'55.18"E B- 23°46'35.15"N 81°11'57.11"E C- 23°46'31.10"N 81°11'59.58"E D- 23°46'30.26"N 81°11'57.80"E


  
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9	पमोड	455/472, 291/471, 7/470	43.303	30/06/2023	मोन नदी	A- 23°48'13.46"N 81°10'54.52"E B- 23°48'15.21"N 81°10'49.86"E C- 23°47'27.26"N 81°10'56.71"E D- 23°46'40.57"N 81°11'46.92"E E- 23°46'42.92"N 81°11'50.10"E F- 23°47'36.66"N 81°10'53.66"E
10	अटरिया	1, 52	4.490	30/06/2023	हलफल नदी	A- 23°46'27.86"N 81°14'44.40"E B- 23°46'47.27"N 81°14'51.93"E C- 23°46'46.68"N 81°14'52.74"E D- 23°46'27.94"N 81°14'45.59"E E- 23°46'13.35"N 81°14'22.92"E F- 23°46'12.20"N 81°14'23.52"E
11	मेमरपाखा- 2	223/551	6.00	30/06/2023	मोन नदी	A- 23°52'35.08"N 81°12'50.11"E B- 23°52'35.54"N 81°12'44.09"E C- 23°52'23.77"N 81°12'54.74"E D- 23°52'23.56"N 81°13'1.12"E
12	बरकछ	266/1	10.00	30/06/2023	झांपर नदी	A- 23°57'27.63"N 81°24'56.54"E B- 23°57'10.65"N 81°24'35.64"E C- 23°57'12.89"N 81°24'34.95"E D- 23°57'29.16"N 81°24'54.68"E

  
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						E- 23°57'35.81"N 81°25'3.70"E F- 23°57'35.68"N 81°25'22.48"E G- 23°57'33.81"N 81°25'21.41"E H- 23°57'32.37"N 81°25'5.81"E
13	संतीमी	1453	1.457	30/06/2023	बलौढ नदी	A- 23°56'19.59"N 81°28'4.93"E B- 23°56'19.65"N 81°28'6.58"E C- 23°56'19.36"N 81°27'49.52"E D- 23°56'19.03"N 81°27'49.35"E
14	गंधिया	689	7.355	30/06/2023	चूंदी नदी	A- 23°38'24.50"N 81°30'54.57"E B- 23°38'26.33"N 81°30'55.95"E C- 23°38'17.56"N 81°31'10.83"E D- 23°38'3.10"N 81°31'25.62"E E- 23°38'1.67"N 81°31'24.11"E F- 23°38'4.56"N 81°31'19.27"E G- 23°38'15.44"N 81°31'10.43"E H- 23°38'19.86"N 81°31'3.87"E
15	दादर	567, 568	5.000	30/06/2023	चूंदी नदी	A- 23°38'1.50"N 81°31'25.82"E B- 23°38'2.39"N 81°31'26.61"E C- 23°37'52.14"N 81°31'51.05"E D- 23°37'49.81"N 81°32'15.20"E

  
 State Level Environment Impact  
 Assessment Authority, M.P.  
 (EPCO) - 14, M.P.  
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 E-5, Arera Colony, Bhopal (M.P.)

							E- 23°37'48.95"N 81°32'14.86"E F- 23°37'51.54"N 81°31'49.40"E
16	भांगजीर	22, 178	3.484	30/06/2023	लेडार नाला		A- 23°51'27.36"N 81°19'29.15"E B- 23°51'28.11"N 81°19'29.51"E C- 23°51'23.84"N 81°19'39.01"E D- 23°51'19.99"N 81°19'40.18"E E- 23°51'17.65"N 81°19'33.98"E F- 23°51'4.62"N 81°19'39.04"E G- 23°50'59.91"N 81°19'39.26"E H- 23°50'59.34"N 81°19'38.58"E I- 23°51'3.95"N 81°19'38.32"E J- 23°51'17.37"N 81°19'31.47"E
17	दरेन	515/1, 315	2.661	30/06/2023	जगभुल्ला नाला		A- 23°39'31.02"N 81°36'40.76"E B- 23°39'31.06"N 81°36'42.22"E C- 23°39'24.38"N 81°36'36.46"E D- 23°39'22.96"N 81°36'32.25"E E- 23°39'16.99"N 81°36'24.75"E F- 23°39'16.90"N 81°36'23.23"E G- 23°39'20.50"N 81°36'25.91"E H- 23°39'26.39"N 81°36'36.98"E

  
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18	बगछ-1	2524	4 734	30/06/2023	झांपर नदी	A- 23°57'24.58"N 81°26'44.73"E B- 23°57'24.22"N 81°26'40.93"E C- 23°57'44.21"N 81°26'36.70"E D - 23°57'45.43"N 81°26'38.55"E
19	बगछ-2	2126/1, 2490, 2491	8.00	30/06/2023	झांपर नदी	A- 23°57'30.83"N 81°26'10.50"E B- 23°57'33.51"N 81°26'19.51"E C- 23°57'35.96"N 81°26'22.23"E D- 23°57'46.25"N 81°26'30.47"E E- 23°57'42.41"N 81°26'34.05"E F- 23°57'34.23"N 81°26'25.43"E G- 23°57'28.93"N 81°26'11.78"E
20	बगछ-3	2526, 2573, 2575/1, 626/1, 616	8.00	30/06/2023	झांपर नदी	A- 23°57'45.42"N 81°26'38.47"E B- 23°57'44.22"N 81°26'36.62"E C- 23°57'45.75"N 81°26'32.16"E D- 23°57'51.03"N 81°26'32.39"E E- 23°57'53.54"N 81°26'34.34"E F- 23°57'57.39"N 81°26'34.60"E G- 23°58'5.59"N 81°26'30.13"E H- 23°58'6.41"N 81°26'35.26"E I- 23°57'53.84"N 81°26'37.70"E


  
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							J- 23°57'51.59"N 81°26'38.58"E K- 23°57'51.17"N 81°26'36.35"E L- 23°57'49.33"N 81°26'34.84"E
21	मौता		380	2.63	30/06/2023	मौसमी नाला	A- 23°56'1.20"N 81°22'59.21"E B- 23°56'1.98"N 81°22'59.10"E C- 23°55'55.74"N 81°23'7.45"E D- 23°55'57.36"N 81°23'9.78"E E- 23°55'59.96"N 81°23'12.72"E F- 23°56'4.78"N 81°23'13.91"E G- 23°56'4.61"N 81°23'15.04"E H- 23°55'59.22"N 81°23'13.62"E I- 23°55'55.71"N 81°23'10.28"E J- 23°55'54.76"N 81°23'7.05"E K- 23°55'55.29"N 81°23'6.67"E L- 23°55'55.50"N 81°23'6.74"E
22	पतेराटोला		139/202	4.500	30/06/2023	मौसमी नाला	A- 23°52'49.65"N 81°18'37.93"E B- 23°52'49.63"N 81°18'37.12"E C- 23°52'58.66"N 81°18'41.70"E D- 23°53'1.91"N 81°18'38.91"E E- 23°53'3.86"N 81°18'38.40"E

  
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							F- 23°53'9.67"N 81°18'55.27"E G- 23°53'9.31"N 81°18'55.16"E H- 23°53'1.07"N 81°18'43.26"E
23	नगावर		113	1.404	30/06/2023	मोयमी नाला	A- 23°53'2.93"N 81°22'48.97"E B- 23°53'21.20"N 81°22'54.79"E C- 23°53'21.03"N 81°22'55.49"E D- 23°53'2.91"N 81°22'49.62"E
24	नवागाव	गोहपास	1, 23	4.973	30/06/2023	चूदी नदी	A- 23°38'27.91"N 81°26'10.79"E B- 23°38'29.61"N 81°26'8.31"E C- 23°38'41.25"N 81°26'17.10"E D- 23°38'49.42"N 81°26'32.15"E E- 23°38'51.44"N 81°26'44.84"E F- 23°38'50.56"N 81°26'50.56"E G- 23°38'49.83"N 81°26'50.37"E H- 23°38'50.03"N 81°26'44.97"E
25	भुस्मी		15	4.0	30/06/2023	अखडार नदी	A- 23°38'37.97"N 81°30'0.93"E B- 23°38'38.72"N 81°30'1.14"E C- 23°38'27.97"N 81°30'53.35"E D- 23°38'27.36"N 81°30'52.95"E
26	लोही		64	3.173	30/06/2023	चूदी नदी	A- 23°38'37.69"N 81°29'7.18"E

  
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							B- 23°38'38.32"N 81°29'7.86"E C- 23°38'33.99"N 81°29'40.18"E D- 23°38'32.74"N 81°29'40.22"E
27	रमपुर-1	ब्यौहारी	1364, 433, 1316	23.00	30/06/2023	आपर नदी	A- 24° 0'20.41"N 81°27'59.52"E B- 24° 0'11.34"N 81°27'33.02"E C- 23°59'53.90"N 81°27'26.90"E D- 23°59'38.00"N 81°27'51.76"E E- 23°59'36.82"N 81°27'49.84"E F- 23°59'51.72"N 81°27'23.35"E G- 24° 0'7.71"N 81°27'15.16"E H- 24° 0'13.60"N 81°27'31.70"E I- 24° 0'19.22"N 81°27'57.02"E J- 24° 0'22.00"N 81°27'59.70"E
28	बोडिडहा- 2		165	2.314	30/06/2023	बनास नदी	A- 24° 7'14.21"N 81°30'9.87"E B- 24° 7'9.11"N 81°30'16.63"E C- 24° 7'6.90"N 81°30'14.20"E D- 24° 7'12.29"N 81°30'7.52"E
29	बोडिडहा- 1		233	4.50	30/06/2023	बनास नदी	A- 24° 7'36.24"N 81°29'42.42"E B- 24° 7'37.14"N 81°29'45.87"E C- 24° 7'30.08"N 81°29'49.71"E


  
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							D- 24° 7'24.31"N 81°29'55.35"E E- 24° 7'22.72"N 81°29'53.75"E F- 24° 7'28.05"N 81°29'47.66"E
30	खामडाड		197, 203, 187	12.177	30/06/2023	समथिन नदी	A- 24° 3'58.84"N 81°19'59.77"E B- 24° 4'7.43"N 81°20'6.66"E C- 24° 4'22.09"N 81°20'6.50"E D- 24° 4'21.45"N 81°21'10.03"E E- 24° 4'19.64"N 81°21'9.97"E F- 24° 4'15.35"N 81°20'56.80"E G- 24° 4'20.58"N 81°20'7.98"E H- 24° 4'6.80"N 81°20'8.03"E I- 24° 3'58.14"N 81°20'0.73"E
31	जैतपुर		576	2.023	30/06/2023	कुनुक नदी	A- 23°28'41.30"N 81°42'57.70"E B- 23°28'41.80"N 81°42'56.01"E C- 23°28'30.64"N 81°42'56.47"E D- 23°28'30.94"N 81°42'59.27"E
32	कमता	जैतपुर	685	4	30/06/2023	कुनुक नदी	A- 23°27'42.30"N 81°43'27.76"E B- 23°27'34.43"N 81°43'33.89"E C- 23°27'27.15"N 81°43'39.96"E D- 23°27'24.79"N 81°43'38.93"E


  
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							E- 23°27'32.85"N 81°43'31.81"E F- 23°27'41.14"N 81°43'26.10"E
33	कोल्हुवा		1	4.046	30/06/2023	कुनुक	A- 23°27'49.47"N 81°40'11.52"E B- 23°27'48.88"N 81°40'12.55"E C- 23°28'0.47"N 81°40'19.67"E D- 23°28'4.45"N 81°40'33.28"E E- 23°28'5.66"N 81°40'44.55"E F- 23°28'6.50"N 81°40'44.52"E G- 23°28'5.64"N 81°40'31.55"E H- 23°28'1.18"N 81°40'18.62"E
34	लुकामपुर		1, 158, 159	3.641	30/06/2023	कुनुक	A- 23°28'13.97"N 81°41'5.73"E B- 23°28'40.95"N 81°41'23.53"E C- 23°28'40.15"N 81°41'24.38"E D- 23°28'21.71"N 81°41'11.81"E E- 23°28'18.14"N 81°41'10.29"E F- 23°28'13.14"N 81°41'6.83"E
35	लालपुर	सोहागपुर	2084	5.00	30/06/2023	सोन नदी	A- 23°17'26.23"N 81°30'6.85"E B- 23°17'27.90"N 81°30'5.14"E C- 23°17'30.15"N 81°30'27.07"E D- 23°17'27.21"N 81°30'26.55"E

  
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36	गेहनिया		167	5.00	30/06/2023	मोन नदी	A- 23°25'4.91"N 81°24'38.07"E B- 23°25'4.22"N 81°24'38.92"E C- 23°24'23.90"N 81°24'16.06"E D- 23°24'23.96"N 81°24'15.01"E
37	गटामी		28	5.00	30/06/2023	मोन नदी	A- 23°24'2.05"N 81°24'28.91"E B- 23°24'3.22"N 81°24'30.31"E C- 23°23'49.25"N 81°24'50.79"E D- 23°23'46.26"N 81°24'48.96"E
38	पैरीबहरा	जैतपुर	718, 559, 574, 572	10.076	30/06/2023	कुनुक नदी	A- 23°28'45.15"N 81°41'24.15"E B- 23°29'4.44"N 81°41'47.29"E C- 23°29'6.33"N 81°42'8.46"E D- 23°29'16.06"N 81°42'22.21"E E- 23°29'14.65"N 81°42'26.80"E F- 23°29'10.34"N 81°42'27.47"E G- 23°29'7.99"N 81°42'35.24"E H- 23°29'7.23"N 81°42'35.02"E I- 23°29'11.82"N 81°42'26.16"E J- 23°29'15.59"N 81°42'24.25"E K- 23°29'4.88"N 81°42'9.02"E L- 23°29'2.82"N 81°41'47.78"E

  
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							M- 23°28'44.05"N 81°41'25.28"E
39	पहाडिया		965/2	2.848	30/06/2023	कठिना नदी	A- 23°48'42.91"N 81°32'44.95"E B- 23°47'50.14"N 81°33'32.72"E C- 23°48'43.12"N 81°32'46.23"E D- 23°47'50.75"N 81°33'32.90"E
40	पोहीकला- 3	जयसिंहनगर	1801/2062, 2055/2063, 1857/2064	75.523	30/06/2023	मोन नदी	A- 23°51'14.20"N 81°13'25.77"E B- 23°51'20.11"N 81°13'28.64"E C- 23°51'14.58"N 81°13'58.37"E D- 23°51'28.57"N 81°14'25.04"E E- 23°51'18.38"N 81°15'35.84"E F- 23°51'11.47"N 81°15'32.75"E G- 23°51'21.16"N 81°14'51.51"E H- 23°51'21.96"N 81°14'28.47"E I- 23°51'6.76"N 81°13'44.22"E J- 23°51'9.56"N 81°13'35.40"E
41	मेमरगावा- 1		297/552	4.00	30/06/2023	मोन नदी	A- 23°51'53.29"N 81°13'8.43"E B- 23°51'52.31"N 81°13'3.94"E C- 23°51'42.15"N 81°13'6.71"E D- 23°51'43.29"N 81°13'10.80"E


  
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42	सोनटोला हस्ता रोवा		899/982	4.80	30/06/2023	सोन नदी	A- 23°23'49.59"N 81°26'8.48"E B- 23°23'52.03"N 81°26'7.72"E C- 23°23'56.64"N 81°26'27.59"E D- 23°23'54.28"N 81°26'28.82"E
43	अमलाग	गोरुपार	470, 243, 820	5.260	30/06/2023	झरोडा नदी	A- 23°32'9.46"N 81°23'25.90"E B- 23°32'10.62"N 81°23'25.86"E C- 23°32'7.85"N 81°23'28.55"E D- 23°32'2.67"N 81°23'24.78"E E- 23°31'54.71"N 81°23'31.75"E F- 23°31'55.20"N 81°23'36.80"E G- 23°31'50.37"N 81°23'41.32"E H- 23°31'47.49"N 81°23'40.72"E I- 23°31'46.20"N 81°23'42.15"E J- 23°31'44.71"N 81°23'41.90"E K- 23°31'46.29"N 81°23'38.97"E L- 23°31'50.51"N 81°23'39.29"E M- 23°31'53.52"N 81°23'35.90"E N- 23°31'52.99"N 81°23'32.13"E O- 23°32'1.87"N 81°23'22.78"E
44	विश्वनगर वा		363	3.00	30/06/2023	सोन नदी	A- 23°37'20.60"N 81°14'26.19"E


  
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							B- 23°37'21.10"N 81°14'28.20"E C- 23°37'8.24"N 81°14'30.80"E D- 23°37'10.03"N 81°14'33.90"E
45	अंकुरी		617	4.00	30/06/2023	मोन नदी	A- 23°34'14.92"N 81°17'3.89"E B- 23°34'11.44"N 81°17'3.79"E C- 23°34'18.93"N 81°16'52.58"E D- 23°34'16.29"N 81°16'49.70"E
46	मेमरा		412, 497	4.047	30/06/2023	खरीखा	-
47	रसपुर-2		433	4.00	30/06/2023	झापर नदी	A- 24° 0'14.41"N 81°27'21.60"E B- 24° 0'12.40"N 81°27'21.85"E C- 23°59'55.07"N 81°27'19.22"E D - 23°59'55.50"N 81°27'16.99"E
48	उक्सा	ब्यौहारी	497	5.00	30/06/2023	झापर नदी	A- 24° 0'14.73"N 81°27'31.76"E B- 24° 0'13.75"N 81°27'31.77"E C- 24° 0'13.12"N 81°27'46.36"E D- 24° 0'21.64"N 81°27'59.21"E E- 24° 0'39.43"N 81°27'54.27"E F- 24° 0'38.84"N 81°27'53.08"E
49	झरोसी 1		598	6.163	30/06/2023	झापर नदी	A- 23°59'54.97"N 81°27'19.36"E B- 23°59'55.39"N 81°27'16.28"E

  
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							C- 23°59'35.40"N 81°27'48.80"E D- 23°59'34.40"N 81°27'46.20"E
50	अरोसी 2	1492	9.203	30/06/2023	आपर नदी	A- 23°59'2.20"N 81°27'54.90"E B- 23°59'7.40"N 81°27'53.70"E C- 23°59'7.00"N 81°27'3.90"E D- 23°59'8.70"N 81°27'2.30"E	


  
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**Chapter -4****DETAILS OF ROYALTY OF REVENUE RECEIVED IN LAST THREE YEARS**

Year	Royalty / Revenue
	Mineral - Sand
2019-20	9552453
2020-21	110474311
2021-22	470143848

**CHAPTER 5****DETAILS OF PRODUCTION OF SAND IN LAST THREE YEARS**

Financial Year	Sand (in cubic meters)
2019 - 20	270000
2020 - 21	813240
2021 - 22	1136998

  
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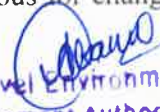
## CHAPTER-6

### PROCESS OF DEPOSITION OF SEDIMENTS IN THE RIVER OF THE DISTRICT

#### DRAINAGE:

The entire district is drained by Son river and its tributaries. Thus the area falls in the Ganga basin. The river Son flows due north till the northern extent of the district, making the western boundary of the district Shahdol with Umari District. Thereafter, the river Son flows due east and marks the northern boundary of Shahdol district with Satna district. The important tributaries of the Son river are the Kunak nadi and the Chuwadi nadi. The river Son draining the south eastern parts of the district through its important tributaries like Tipan, Chandas and Bakan flow in the north-west direction with a dendritic pattern, draining the central plains of the district. Another important tributary of the Son River is the Banas river, flowing along the eastern North-western part of the district is drained by the Banas river and its tributaries namely the Janapar river, Kormar nadi, the Rampa nadi, and Odari Nadi, Banas River confluences with the Son River at the northern most tip of Shahdol District.

**Son River :** The Son originates near Amarkantak in Madhya Pradesh, just east of the headwater of Narmada River and flows North-north west through Madhya Pradesh state before turning sharply eastward where it encounters the south west-northeast-running Kaimur Range. The Son parallels eastward where it encounters the south west-northeast-running Kaimur Range. The Son parallels the Kaimur hills, flowing east-northeast through Uttar Pradesh, Jharkhand and Bihar states to join the Ganges just above Patna. Geologically, the lower valley of the Son is an extension of the Narmada Valley, and the Kaimur Range an extension of the Son river at 784 kilometers (487 mi) long, in one of the largest rivers of India. (2) Its chief tributaries are the Rind and the North Koel. The Son has a steep gradient (35-55 cm per Km) with quick run-off and ephemeral regimes, becoming a roaring river with the rain-waters in the catchment area but turning quickly into a fordable stream. The Son, being wide and shallow, leaves disconnected pools of water in the remaining part of the year. The channel of the Son is very wide (about 5 km at Dehri on Son) but floodplain is narrow, only 3 to 5 kilometers (2 to 3 mi) wide. In the past, the Son has been notorious for changing course, as it is traceable from the Son is very wide (about 5 Km at Dehri on Son) but the floodplain is narrow, only 3 to 5 kilometres (2 to 3 mi) wide. In the past, the Son has been notorious for changing course, as it is

  
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traceable from several old beds near its east bank. In modern times this tendency has been checked with the anicut at Dehir, and now more so with the Indrapuri Barrage.

The flood of Son is very destructive. So mining of sand is important for uninterrupted water flow. The erosion process in the catchment area and transportation of sand along with strong water current during the rainy

season will augment the process of replenishment in the downstream mining lease area and the sand will be deposited in river ear after flooding in monsoon season. Whatever quantity of Sand are extracted from the said land during one year, extracted quantity of the sand are automatically replenished every year by the river itself through its replenishment potential which is generated due to its flow, velocity.

During monsoon this bed replenished to a large extent from the Barakar Sandstones, Talchir stones, etc. of Gondwana Group rock formation due to erosion by heavy flow in higher reach and soon as the stream reaches in older channel downward, shed their loads in river bank due to decrease in velocity and carrying capacity. The annual deposition of 3 -3.5 meters is received. The area will be maintained as it is after monsoon season.

Fluvial Process (erosion and sedimentation by water) is the principal process of sedimentation in the plains. Thus the rivers are the only source of depositary sedimentation in the district. Process of deposition is preceded by erosion, transportation and finally environment of deposition. Therefore sedimentation process is dependent upon Geology & Geomorphology of the area, the gradient of river, flow of water or velocity of the river or flow of river in the channel in the volume of. Thus flooding in the upstream higher volume of sediments in the downstream side. Further geo-technical as well as natural obstacles may also cause the deposition of sediments for example natural levee, meanders and structures.

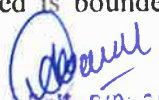
**Samdhin River:-**The Samdhin River originated from in between village Bedra and Kothia, Tehsil Beohari Dist. Shahdol Madhya Pradesh, the elevation of origin point is 421m. Amsl, and Samdhin River confluences in son river elevation point is 289m. Amsl it is covered between Latitude  $23^{\circ}58'41.56''$ -Longitude  $81^{\circ}21'25.17''$ . The catchment area of the Samdhin River is 34345ha. and its flows towards Northern direction. The several nalas are joins Samdhin River near jamodi village and Samdhin River takes wider shape. The length of samdhin river is 39km. the geomorphological features of this catchment is feasible for erosion and deposition of river sand. The flood of Samdhin is destructive so mining of sand is important for uninterrupted water flow. The erosion process in the catchment area and transportation of sand along with strong water current during the rainy season will augment the process of replenishment in the downstream mining lease area and the sand will be deposited in river every year after flooding in monsoon

season. Whatever quantity of Sand are extracted from the said land during one year; extracted quantity of the sand are automatically replenished every year by the river itself through its replenishment potential which is generated due to its flow, velocity. During monsoon this bed replenished to a large extend from the Barakar Sandstones, Talchir Stones, etc. of Gondwana Group rock formation due to erosion by heavy flow in higher reach and as soon as the stream reaches in older channel downward, shed their loads in river banks due to decrease in velocity and carrying capacity. The annual deposition of 2.5 – 3 meters is received. The area will be maintained as it is after monsoon season.

**Johila River:** Origin Maikal Hill from amarkantak (81°45'18.955"E 22°44'12.28"N) Catchment Area: The Johila River originated from Jaleshwar which is about 10 km away from Amarkantak Maikal Hill. After originating from amarkantak teh river flows from Pali manthar of umaria to manpur bijori and meets to Son River near Dashrat Ghat. The elevation of origin point is 1120 m. The total catchment area of Johila River from its origin to dashrat ghat is about 2500 sq km and has a Length of about 235 km. The annual deposition of 2.2 – 2.8 meters is received. The area will be maintained as it is after monsoon season. pg. 17

**Kunuk River :** -Origin Mahora Hill from Bijuri (81°59'3.03"E 23°30'27.76"N) Catchment Area: The Kunuk River originated from Jheenk-Bijuri village which is about 20 km away from Jaitpur (Kmta) Mahora Hill. After originating from Jheenk-Bijuri Village River flows jaitpur (kmta) of Shahdol to Bargawan, Chuhri, Devgarh and meets to Son River near Khairi Kanwahi. The elevation of origin point is 740m. The total catchment area of Johila River from its origin to Khairikanwahi is about 72561km and has a Length of about 69km. The annual deposition of 2. – 2.9 meters is received. The area will be maintained as it is after monsoon season.

**Chundi River:-** Origin from Lapri- Tilauli village (81°59'3.03"E 23°30'27.76"N) The Chundi River originated from Lapri- Tilauli village which is about 15 km away from Khannaudhi. After originating from Lapri Village River flows Bhatigawan Khurd of Jaishing nagar to Barna Nigai Village and meets to Son River near Rupaula Ghat. The elevation of origin point is 620m. The total catchment area of Chundi River from its origin to Rupaula Ghat is about 53212ha. and has a Length of about 59km. The annual deposition of 2 – 3 meters is received. The area will be maintained as it is after monsoon season. The chundi watershed, with chundi as a major consequent stream flows east-west having a chatchment area of 532 sq. km impressively decorated with undulated moderately high denudation hills in the east and south –west and west flat weathered buried bedrock surface termed as pediplain , spread over the rest of the region. The boundary of the watershed is formed by water divide of the chundi river system. It is located Shahdol district covering a total area geographically the chundi watershed is bounded by the

  
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watershed of Odari nadi in east, halphal and gorna nala in north and south and by the son river in the west, where it meets the son. The major towns of the chundi watershed are jaishingnagar and khannaudhi.

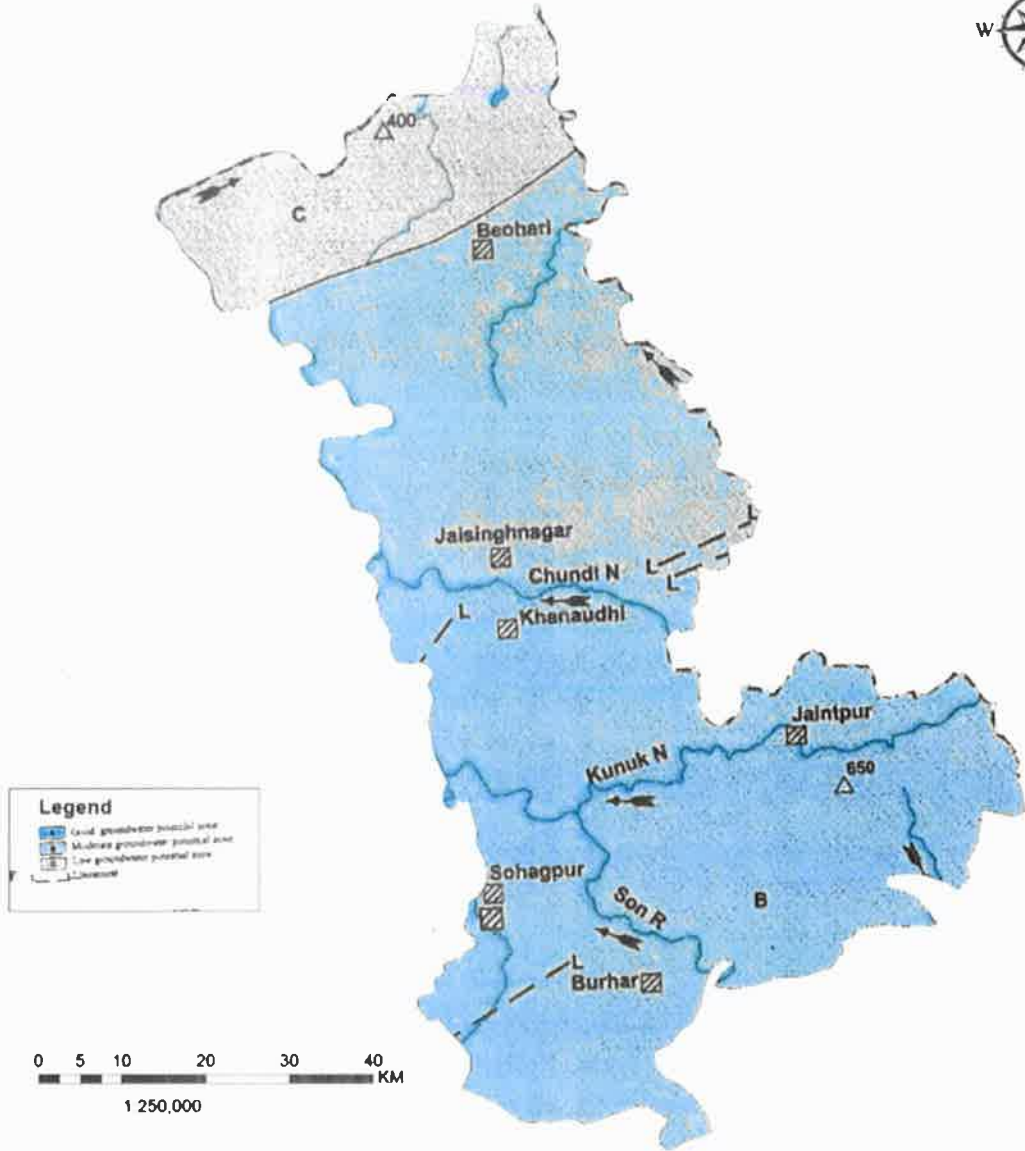
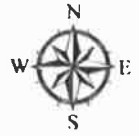
**Banas River:-** Origin from Korla Diat, Bharatpur tehsil, Ramdaha village ( $82^{\circ} 0'14.19''E$   $23^{\circ}36'9.60''N$ ). The Banas River originated from Ramdaha village which is about 43 km away from Bharatpur. After originating from Ramdaha Village River flows Bharatpur, Bansukli Bhamarha to Hathwar Village and meets to Son River near Shikarganj. The elevation of origin point is 770m. The total pg. 18 catchment area of Banas River from its origin to Shikarganj is about 2640sqkm. and has a Length of about 162km., flowing along the eastern boundary of the district, marking the boundary of the district Shahdol with Sidhi District. The north-western part of the district is drained by the Banas River and its tributaries namely the, Kormar nadi, the Rampa nadi, and the Odari Nadi. Banas River confluences with the Son River at the northernmost tip of Shahdol District. The annual deposition of sand 2 – 3 meters is received. The area will be maintained as it is after monsoon season. Banas River is located at NE part of the area. The drainage pattern in the area is mostly dendritic to sub-dendritic and the drainage density is low to moderate. Most of the tributary streams go dry during summer but there may be flash during the rainy season. It has been observed that the ground water condition is poor to moderate in major portion of the area thus creating the drought conditions. However, the ground water occurrence is limited to valley fills and pediplains.


**Jhapar River:** - Origin Village Semra and Tagawar near KARKI (Shahdol dist.) ( $81^{\circ}24'15.62''E$   $23^{\circ}50'21.35''N$ ) Catchment Area: The Jhanpar River originated from Tagawar village which is about 24 km away from Beohari Tehdil. After originating from Tagawar village, river flows Via Barachh village and meets to Banas River near Bhamaraha. The elevation of origin point is 448 m. The total catchment area of Jhapar River from its origin to Bhamaraha is about 20466ha. and has a Length of about 235 km. The annual deposition of 2.2 – 3.0 meters is received. The area will be maintained as it is after monsoon season.

**Other Tributaries:** - Other Tributaries are as follows: Korma, Rampa, Odari, Chuwadi, Audhi, Bakan, and Mudna. These tributaries finally join Son River and Banas rivers of Shahdol District. These tributaries flowing direction from south to North The annual sand deposition of these tributaries are more/less common approx. 2.2 to 2.8 m. the average slope of catchment area 2.2 to 1.8%

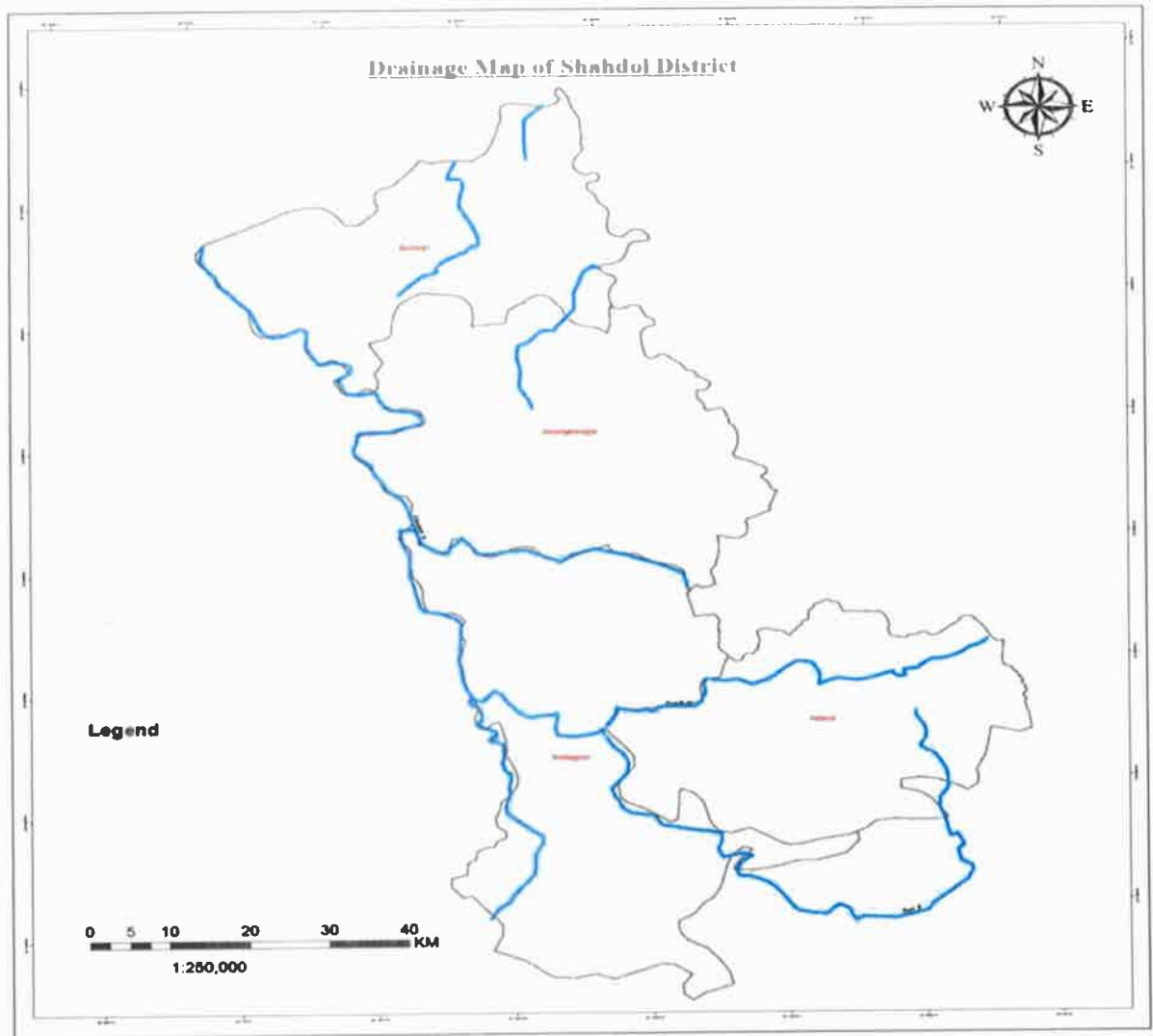
  
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# Geo-Hydrology Map of Shahdol District

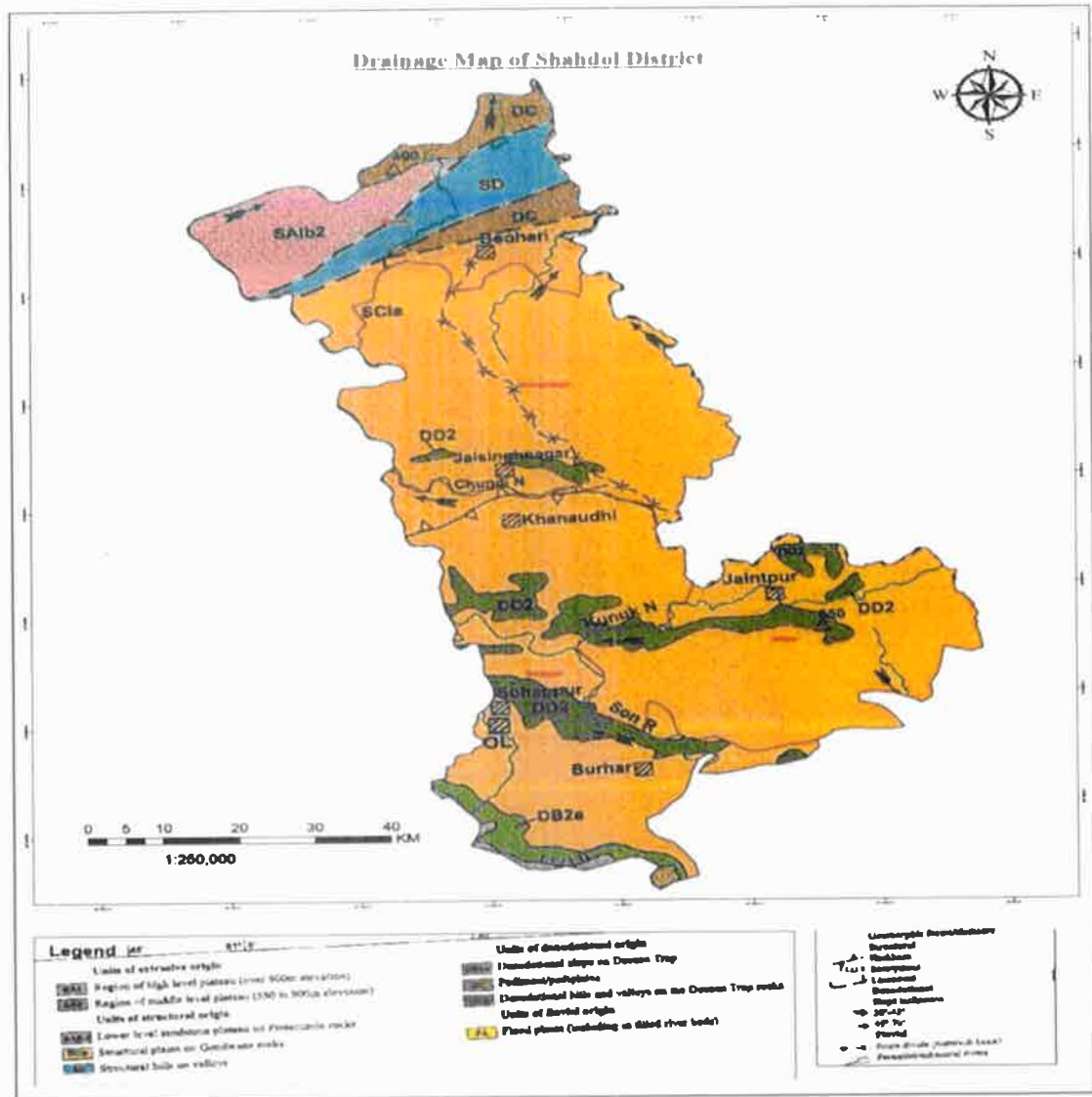



  
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## CHAPTER 7

### GENERAL PROFILE OF THE DISTRICT

Shahdol District is a district of Madhya Pradesh state in east central India. With a total area of 5,671 square kilometers and a population of 908,148. Shahdol is an important district of Madhya Pradesh. The town of Shahdol is the district headquarters. The district is also a Division. Some of the districts in this division are Annupur and Umariya.

The Virateshwar Temple in Sohagpur Vangana is the most important tourist destination of Shahdol and a structural masterpiece. The district extends 110 km from east to west and 170 km from north to south.

The total population of the district is 908,100, out of which 391,027 are Scheduled Tribes and 67,528 are Scheduled Castes.

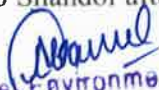
#### History

The etymology of the name as ascertained from the local residents points to its derivation from the name of the one Shahdolwa Ahir of Sohagpur village. The progenitor of the Ex-Illakadar family of Sohagpur, Jamni Bhan was the second son of Maharaja Virbhan Singh of Bagelkhand.

He decided to settle at Sohagpur and assured maximum facilities to settlers around, and also declared that places settled by clearing forests will be named after the pioneer settlers.

Shahdolwa Ahir is believed to have settled the former village of Shahdolwa, about 2.5 km. from the headquarters of Sohagpur after this declaration. Later on, the place used to be the camp site for the Maharaja of Rewa and British officers on tour. More villages were grouped into the village of Shahdol as it grew to a town. The District Headquarters was shifted from Umariya to Shahdol after the merger of princely states took place in 1947.


Origin of the name of the District: - Shahdol is named after the headquarters town Shahdol which is located on the Bilaspur-Katni Section of the South-Eastern Railways. The etymology of the name as ascertained from the local residents points to its derivation from the name of the one Shahdolwa Ahir of Sohagpur village. The progenitor of the Ex-Illakadar family of Sohagpur, Jamni Bhan was the second son of Maharaja Virbhan Singh of Bagelkhand. He decided to settle at Sohagpur and assured maximum facilities to settlers around, and also declared that places settled by clearing forests will be named after the pioneer settlers. Shahdolwa Ahir is believed to have settled the former village of Shahdolwa, about 2.5 km from the headquarters of Sohagpur after this declaration, Later on, the place used to be the camp site for the Maharaja of Rewa and British officers on tour. More villages were grouped into the village of Shahdol as it grew to a town. The District Headquarters was shifted from Umariya to Shahdol after the merger

  
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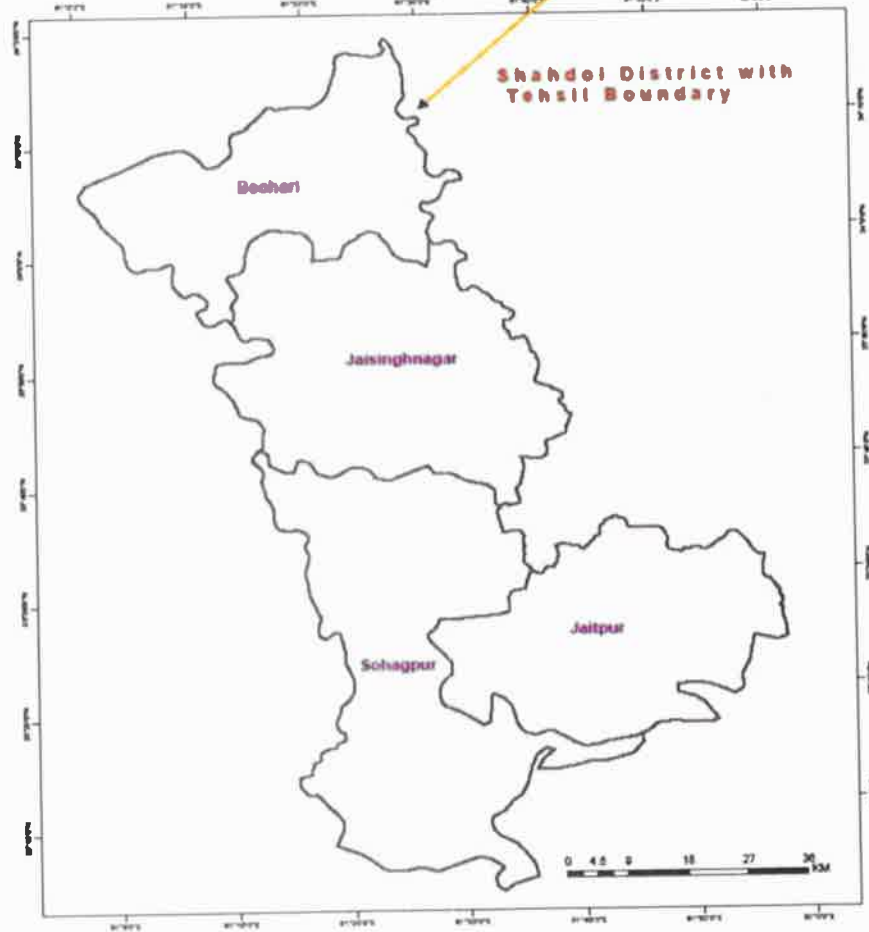
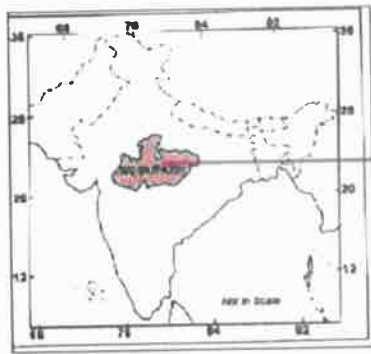
of princely states took place in 1948. With lush green forests, natural wealth of coal, minerals and with primitive tribal population, the district Shahdol is situated among the range of Vindhyaachal and heading fast in development track. The district has vast reserves of coal mines.

**Location**

Shahdol District is situated in the northeastern part of the Madhya Pradesh provinces of India. Because of the division of the district on 15-08-2003, the area of the district remains 5671 km<sup>2</sup>. It is surrounded by Anuppur in the southeast, Satna & Sidhi in the north and Umaria in the west. The district extends 110 km from east to west and 170 km from north to south. This district is situated between 22°38' N latitude to 24°20' N latitude and 80°28' E Longitude to 82°12' E longitude.

  
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Location Map of Shahdol District



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## Topography

The District is located in the north- eastern part of the Deccan plateau. It lies at the trijunction of Makal Ranges of the (Satpura Range), the foot of the ( Kymore Range) an extension of the Vindhya Range and a mass of parallel hills which extend over the Chhota Nagpur Plateau in jarkhand. In between these hill ranges lies the narrow valley of the Son and its tributaries, Since the Kymore Range extends physiographic divisions. They are-

- The Maikal Range
- The Hills of Eastern Plateau
- The Upper Son Valley

## Geographical scenario


District Shahdol is predominantly hilly district. It is picturesque with certain pockets and belt of SAL and mixed forests. Total geographical area of the district is 5671 km<sup>2</sup> Adjacents to the District shahdol are the boarding district Dindori, Satna, Umaria, Anuppur and Rewa.

## Main City & Town of the District

Dumar Dola ,Dhanpuri ,Devhara ,Deori ,Nurhar ,Beohari ,Bangawan ,Badra ,Amlai shahdol [Pasan ,(Bansagar )Khand ,Chachai )Kelhuri ,jaisinghnagar ,Kachhar

## racyTheir Lite & Tehsil

No	Name of the Thesil	Population Total	Male	Female	Literacy					
					Total	%	Male	%	Female	%
1	Sohagpur	469242	241433	227809	242043	51.58	148109	61.35	93934	41.23
2	Beohari	168334	86444	81890	83561	49.64	52765	61.04	30798	37.61
3	Jaisingh nagar	161717	82093	79624	83712	39.40	41524	50.58	22188	27.87
4	Jaitpur	108855	54814	54041	42583	39.10	41524	50.58	22188	27.87
	Total-	9081148	464784	443364	431879	47.58	270430	58.18	161449	36.41

  
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## **Administrative Structure**

This district is divided into 06 Tahsils, 05 Janpads and 391 village Panchayats. There are 02 Nagarpalikas and 04 Nagarpanchayats. One third part of the district is covered with forest.

## **Economy**

In 2006 the Ministry of Panchayati Raj named Shahdol one of the country's 250 most backward districts (out of a total of 640). It is one of the 24 districts in Madhya Pradesh currently receiving funds from the Backward Regions Grant Fund Programme (BRGF).

## **Agriculture**

District is very backward in the field of agriculture. Tribals of the district prefer the cultivation in the old traditional method. The sizes of the fields are very small and mainly the tribals are marginal farmers. The yearly yield of the products from the fields is not enough for their home use. Hence, for the rest part of the year they work on daily wages. Mahua fruit, wood & seeds are source of income for tribe area people.

## **Living standard of the tribe**

The living standard of tribals is very simple. Their houses are made of mud, bamboo sticks, and paddy straw and local tiles. Tribal men wear Dhoti, Bandi, Fatohi and headgear. Women wear Saree named "Kaansh" saree in the local dialect. The saree is always of body colour. Women in the tribal community prefer to get their body parts hands, legs and neck encovered with colours. They wear different kinds of ornaments made of bamboo, seeds and metals.

## **Demographics**

According to the 2011 census Shahdol District has a population of 1,064,989, roughly equal to the nation of Cyprus or the US state of Rhode Island. This gives it a ranking of 427th in India (out of a total of 640). The district has a population density of 172 inhabitants per square kilometre (450/sq mi). Its population growth rate over the decade 2001-2011 was 17.27%. Shahdol has a sex ratio of 968 females for every 1000 males, and a literacy rate of 68.36%.

## **Languages**

Vernaculars spoken in Shahdol include Bagheli, which has a lexical similarity of 72-91% with Hindi (compared to 60% for German and English) and is spoken by about 7,800,000 people in Bagelkhand.

  
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## CHAPTER – 8

### LAND UTILIZATION PATTERN IN THE DISTRICT

S. No.	LAND USE	AREA in (Sq. Km.)
1	Forest Land	2278.85
2	Net Area Sown	1899.96
3	Cultivable Area	425.61
4	Mining Area	103.41


#### Agriculture

Paddy, Kodo, Kutko and Maize are the crops of the district. Til, Mustard and Groundnut are the main oilseeds produced here. The farmers have started the production of Sunflowers and Soyabean. In the central and southern part of the district, paddy is the main Crop grown and in the North-West Wheat is the main crop grown.

Sr. No.	Particulars	Area (Hects.)
1	Total Area	561006
2	Net Sown Area	221101
3	Canal Irrigation Area	18296
4	Tubewell Irrigation Area	17158
5	Total Area Irrigation other	31676
6	Total Area Irrigation	67130

#### CROP PRODUCTION(2019-2020)

Sr. No.	Crop Name	Area (hect)	Yield/Hect.	Production in 000' MT
1	Rice	154234	3380	521311
2	Wheat	64771	22.00	142496
3	Oil Seeds	14815	789	11689
4	Pulse	6643	1639	10888

  
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## FARM EQUIPMENTS

The figures of farm equipments existing are as given below:-

S. No	Equipment	Nos.
1.	Seed Drill	178
2.	M.B.Plough	112
3.	Breeder	4800
4.	Low Lift Water Device	1350
5.	Maize Shelter	7882
6.	Others	2115

## DISTRIBUTION OF LAND HOLDINGS

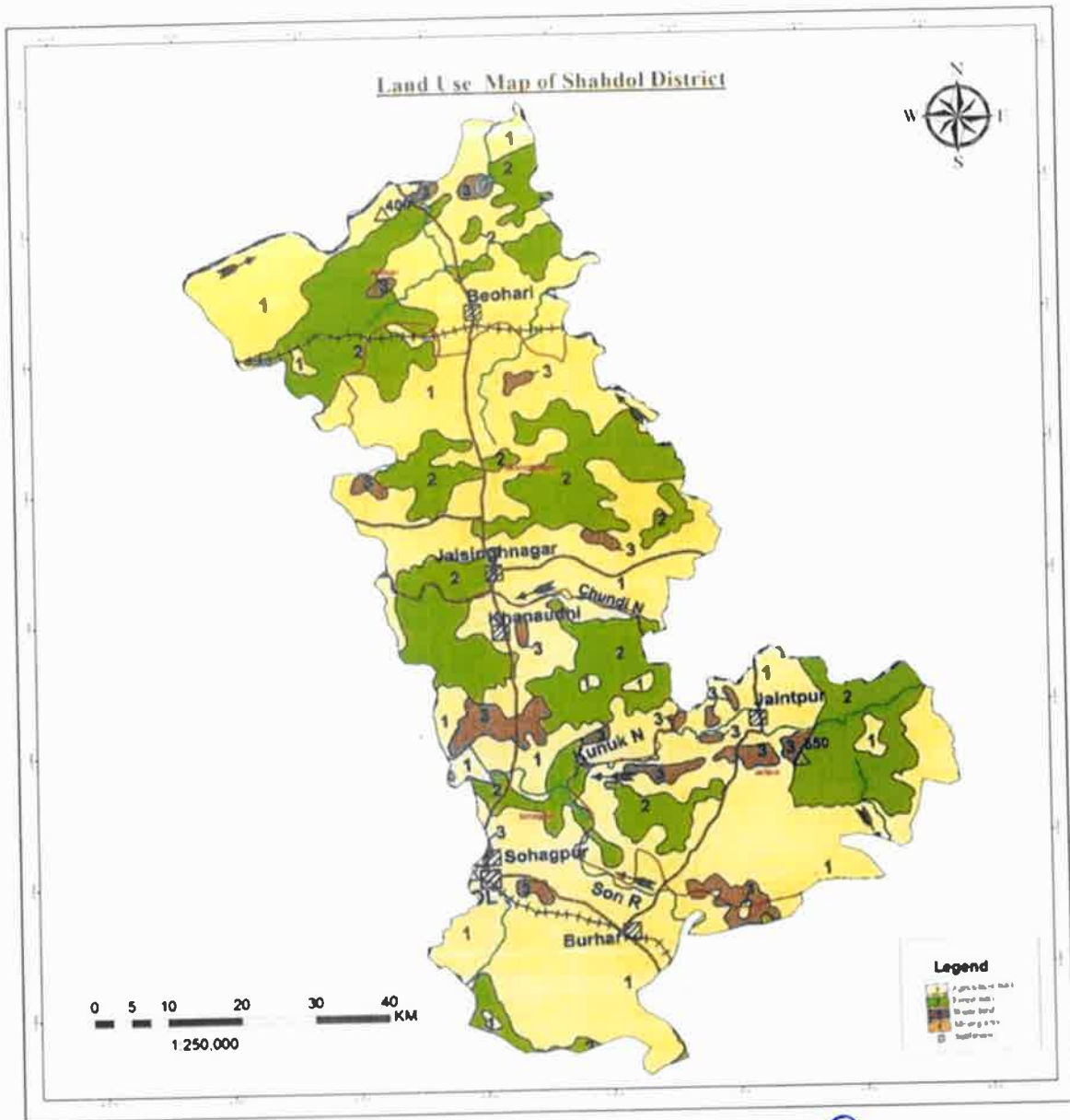
The distribution of land is as given below:-


S. No	Size of Holding	Nos.
1	Less than 1 hectare	110424
2	Between 1 to 2 hectares	34806
3	Between 2 to 4 Hectares	23424
4	Between 4 to 10 hectares	6258
5	10 Hectares & above	491
	Total	175403

### Irrigation Facilities:

Since this district is mountaineous, irrigation facility is not satisfactory. Only 9% of the total crop gets irrigation facility.

  
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## CHAPTER - 9

### PHYSIOGRAPHY OF THE DISTRICT


Shahdol district is situated in the eastern part of Madhya Pradesh and covers an area of 14,028 sq. km. It is covered in Survey of India Degree sheet Nos. 63D, H, 64A and E between Latitude 23° 03'-24°20' and Longitude 80°58'-81°58". The district is bounded by Satna and Rewa district in north, Dindori and Bilaspur district in south, Koriya district in east, and umria district in west and Sidhidistnet in north east. Shahdol is the district headquarters and Sohag'pur, Beohari, Umariya, Rajendragram, Anupur and Jaisinghnagar are some of the major towns. The KatniBilaspur section of the southeastern railway throuh the district. All important places within the district are well connected by a network of state highways and all weather roads, The Son River and its tributaries drain central part of the district. Narmada and Johilla rivers originate from Amarkantak (1065mtr) Physiographically, structural landforms represented by plateau, hills and valleys have developed in northern, northeastern and northwestern part of the district. Low lying plains with average altitude of 450m to 500m above MSL are developed in southeastern part, where as high to medium level (500m to 990m) plateau and flat loped, step like terraces are developed in southern and southwestem pan of the district. Denudational hills and Valleys are present in Central part of the Disniet. Fluvial Land Forms represented by flood plains are present along the Western boundary of the district. The maximum and minimum elevation of the area are 1070m and 356m above mean sea level in southern part of Satpura hills and 5 km. southeast of Dhanwahi respectively.

Rock Formations ranging in age form Archaeans to Holocene period are exposed in Shahdol district the older metamorphic rocks comprising Granite gneisses as well as massive granite are exposed in southeastem, western and to a small extent in west southern part of the district. The ENE WSW trending volcano sedimentary sequences of Mahakoshal Group of Palaeoproterozoic age consisting metasediments, crystalline limestone, phyllites, quartzite, BHQ, marble, dolomite, tufts and ash beds are exposed in northern side. Dolerite, pegmatite, granite and vein quartz have intruded these rocks. The dykes exhibit a predominant ENE-WSW trend. Jungel Group of Mesoproterozoic age unconformably overlies the Mahakosal Group of rocks, consisting ofsandstone and conglomerate occur as small thin bands in the northern part of the district. VindhyanSupergroup represented by the Semri and Bhander Groups consist of conglomerate, quartzite, Deonarporcellanite, Palkawan shale, limestone, glauconitic bed, olive shale and Bhander shale. Seniri group is mainly exposed in northern part and Bhander shale is exposed as small belt in east central part of the northern side. Talchir Group of rocks comprising diamictiferous, well-sorted sandstone, and olive green shale with basal conglomerate are exposed

in southeastern and western part of the district. Barakar Formation conformably overlies the Talchir Formation and comprises yellowish to greyish white felspathic sandstone with carbonaceous grey shale including several coal seams. This rock type is exposed in the central, east central and west central part of the district. Most part of the district is covered by unclassified Gondwana rocks, which are characterised by fine grained, pinkish to yellowish white, cross-bedded sandstone, greyish shale, green, red fossiliferous clay with basal pebbly conglomerate. Lameta beds occur along the fringes of the Deccan Trap covered hills in southwestern part of the district. They rest unconformably over the Gondwana strata consisting of greenish and reddish felspathic sandstone with cherty limestone. Deccan Trap basalt of Cretaceous to Palaeogene age is exposed in southeastern and central part. Dykes and sills of dolerite are common in the area trending ENE WSW to east west. The development of lateritic profile due to weathering of the trap rocks in the southern part resulted in the formation of bauxite bodies. Quaternary sediments comprising unconsolidated sand, clay and gravel exposed in the small portion of western and northwestern part of district.

The area presents a complex structural history with a number of asymmetrical folds, faults and fractures including probably a thrust affecting all rock formations. In the Gondwana Coal measure, the preservation of the coal as well as associated sediments is mainly due to the trough faulting. Enechelon type of boundary faults between Gondwana and Precambrian rocks are noticed in the coalfields. The prominent structural feature of the Sohagpur basin is the system of ENE WSW to EW trending sub parallel faults.

The economic minerals occurring in the district are bauxite, coal, clay, dolomite, feldspar, gypsum, iron, phosphate and dimensional stone such as granite, marble, sandstone and basalt. Coal is being mined from Sohagpur coal field, Umariya-Johilla-Korar coalfield and part of Singrauli coal field. Bauxite mainly occurs in southern part of the district. Fire clay occurs at Bhamrah, Paperthi, Parsili and Dala. Dolomite occurs at Dalbajtal and Man. Gypsum occurs as veins in Intertrappen and Semri Group of rocks. Iron ore is reported from Hirapur, Deari, Chandaula, Anwai and Dawara. Granite, basalt and sandstone, are extensively quarried as aggregate and blocks for construction purpose.

  
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## CHAPTER – 10


### RAINFALL MONTH WISE

Shahdol district experiences a temperate climate characterized by a hot summer, well distributed rainfall during the south-west monsoon season and mild winter. The winter season commences from December and lasts till the end of February followed by the summer from March to middle of June. The south-west monsoon or rainy season continues from middle of June to September when south west monsoon is active while October and November months constitute post- monsoon or retreating monsoon season. The climate of Shahdol District, as calculated by Thornthwaite Precipitation Effectiveness Method, is humid climate with forest type vegetation.

The month of May is the hottest month with mean daily maximum temperature at 41.4<sup>0</sup>C and mean daily minimum temperature at 26.5<sup>0</sup>C. With the onset of south-west monsoon during June, there is an appreciable drop in day temperature, while at the end of the September or in early October, there is slight increase in day temperature but nights become progressively cooler. January is generally the coolest month with the mean daily maximum temperature at 25.6<sup>0</sup>C and the mean daily minimum temperature at 8.4<sup>0</sup>C. The average daily maximum temperature is about 41.4<sup>0</sup>C and minimum temperature is about 26.5<sup>0</sup>C. During the southwest monsoon season the relative humidity generally exceeds 88% (August month). In rest of the year is drier. The driest part of the year is the summer season, when relative humidity is less than 38%. April is the driest month of the year. The wind velocity is higher during the pre-monsoon period as compared to post monsoon period. The maximum wind velocity of 6.8 km/hr is observed during the month of June and minimum 2.3 km/hr during the month of December. The average normal annual wind velocity of Shahdol district is 4.3 km/hr.


**The normal rainfall of Shahdol district is 1131.4 mm.**

As per rainfall statistics, frequency of occurrence of Normal drought in the area is 25 % and that of Mild drought is also 25 % while occurrence of severe droughts in the area is only 5 % i.e. on an average there is a possibility of occurrence of a nonnal or mild drought once in every seven years, while that of severe draughts is once in every 20 years. The area does not experience any most severe drought.

  
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**RAINFALL MONTH WISE 2019 & 2020**

Year 2019 (in mm)			Year 2020 (in mm)		
Month	Total	Average	Month	Total	Average
January	39.00	6.5	January	176.00	29.3
February	76.00	12.7	February	188.00	31.3
March	82.00	13.7	March	494.00	82.3
April	49.00	8.2	April	137.00	22.8
May	31.0	5.2	May	145.00	24.2
June	158.0	26.3	June	1253.00	208.8
July	1646.00	274.3	July	1465.00	209.3
August	2479.00	413.2	August	2637.5	376.8
September	1908.00	318.0	September	911.5	130.2
October	121.00	20.2	October	393.0	56.1
November	0.00	0.00	November	21.0	3.0
December	191.00	31.8	December	0.00	0.00
<b>Total</b>	<b>6780.00</b>	<b>1130.1</b>	<b>Total</b>	<b>7821.00</b>	<b>1174.1</b>

  
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**RAINFALL MONTH WISE 2021 & 2022**

Year 2021 (in mm)			Year 2022 (in mm)		
Month	Total	Average	Month	Total	Average
January	0	0	January	257	36.7
February	70	0	February	89.5	12.8
March	19	2.7	March	0	0
April	26.5	3.8			
May	677.5	96.8			
June	1612.0	230.3			
July	1861.5	265.9			
August	1991	284.4			
September	1248.5	178.4			
October	170	24.3			
November	0	0			
December	119	17			
<b>Total</b>	<b>7795</b>	<b>1103.6</b>			

  
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## CHAPTER-11

### GEOLOGY AND MINNERAL WELTH

#### General Geological Succession


The Shahdol District is located in the north-eastern part of the Deccan Plateau. It lies at the trijunction of Maikal Ranges of the Satpura Mountain, the foot of the Kymore Range of the Vindhya Mountain. In between these hill ranges lies the narrow valley of the Son and its tributaries.

Physiographically, structural landforms, represented by plateau and low lying plains with average altitude of 450m to 500m above MSL, are developed in northern, north-eastern and north-western and central parts of the district. In the southern part of the District, hills and highlands of Maikal Range and high to medium level (500m to 990m) plateau and flat topped, step like terraces are developed. Fluvial Land Forms represented by flood plains are present along the western boundary of the district. The maximum elevation of the area is 1123m above mean sea level at Singingarh Hill ( $23^{\circ}03'40''$  •  $81^{\circ}27'37''$ ) in Satpura hills, in southern part of the district. The important tributaries of Son River in the district are Johila, Gujar Kewai and Tipan rivers. The primary occupation of the majority of the population in the district is agriculture and allied activities. On one side the spectrum of its floristic socio-cultural diversity and ethnic history of tribal.

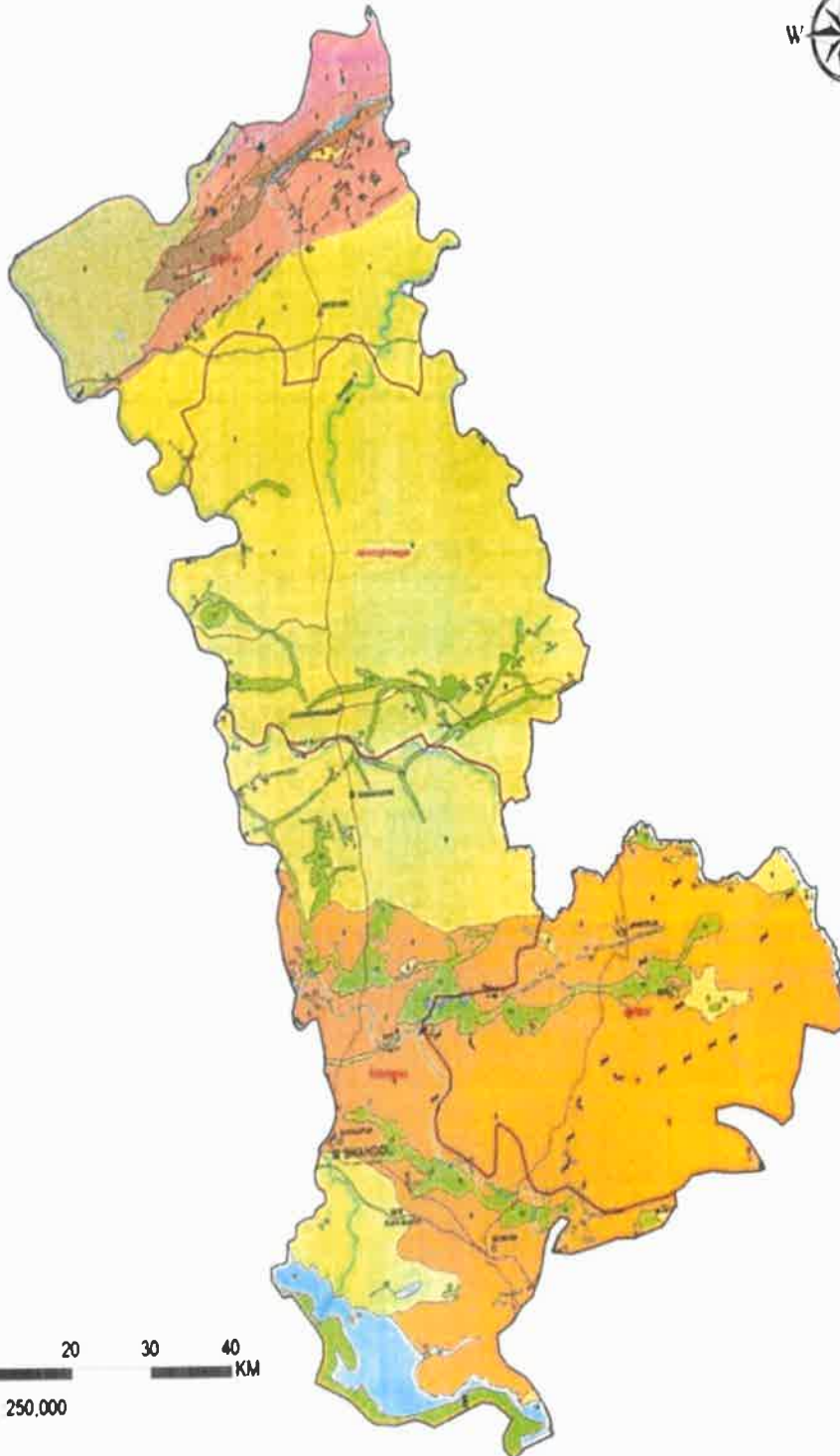
The stratigraphic sequence of various geological units with their respective rock types are described below.

  
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AGE	LITHOSTRATIGRAPHIC UNIT	LITHOLOGY
Recent to sub recent	Alluvium, Laterite	Sandy loam, silty sand, coarse medium laterite
Cretaceous to Eocene	Deccan Trap	Basaltic lava flows and older dolerite dykes and sills.
Upper Cretaceous	Lameta	Sandstone, siliceous limestone, marl and Shales.
Lower Cretaceous	Chandia	White clays and medium grained sandstone
Late Norian to Rhaetic	Parsora Tihki Pali Gondwana Supergroup	Coarse-grained sandstone variegated shale and lilac coloured clays.
Upper Permian to Larnic		Coarse grained sandstone grey shale, red shale, red green and mottled clay with thin coal bands
Late Permian		Barakar
Upper Carboniferous to Lower Permian	Talchir	Tillite, sandstone and green shale
Pre-Cambrian	Lower Vindhyan (Semri series)	Porcellanite shales sandstone basal conglomerates
	Bijawar	Quartzes, Gneisses
Algonkian	Archaean	Granite, Gneisses, Schists etc.

  
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Geological Map of Shahdol District



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**Mineral resources** – District Shahdol is very rich in its mineral resources. Minerals found in district are coal, fire clay, ochers, Iron, Laterite and marble. Sohagpur Coalfield contributes a major part in the revenue of the state. A brief description of the various occurrences is given below:

**Coal:** The important coal field in the District is Sohagpur coal field. The Barakars in this area are about 3100 km<sup>2</sup> four coal seams have been recorded from the lower Barakars whereas a few thin seams are reported from Upper Barakars. The Lower Barakar coal of lower ash content and better quality as compared to that from Upper Barakars. In general the coal is of low rank, high moisture, high volatiles and non-coking type. A reserve of 4064 million tonnes has been estimated from this field.

**Coal Bed Methane (CBM) Gas:-** The current source of gas is the Coal Bed Methane (CBM) blocks at Sohagpur East (SP-E) and Sohagpur West (SP-W) located at Shahdol. RIL has been awarded the Coal Bed Methane (CBM) blocks located in Shahdol and Annapur districts of Madhya Pradesh state of India. CBM plateau production from these blocks is expected to be around 3.5 mmscmd. The coal bed methane (CBM) block at Sohagpur is estimated to have 3.75 trillion cubic feet of in-place gas reserves under coal stairs.

**Iron & Laterite:** Iron & Laterite deposits occur near Budwa, Paparedi, Bagdari, Hathwar, Anhara, Deori in Beohari Tehsil.


**Clay:** Good black clay deposits occur near Jamuni and Hinota.

**Ochers:** Ochers deposit in the Shahdol district is reported from pachdi.


**Marble:** Marble deposits are found near villages Pasgarhi, Bagdari and Paparedi. Details of the deposit to be under search in these areas.

Other Minerals like Flagstone, Slate, Dolerite, Molybdenum, River Sand etc are also found in huge quantity in the district.

During monsoon this bed replenished to a large extend from the Barakar Sandstones, Talchir Stones, etc. of Gondwana Group rock formation due to erosion by heavy flow in higher reach and as soon as the stream reaches in older channel downward, shed their loads in river banks due to decrease in velocity and carrying capacity. The annual deposition of 3-3.5 meters is received. The area will be maintained as it is after monsoon season.

  
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1. **Son River:** The river Son flows due north till the northern extent of the district, marking the western boundary of the dist Hct Shahdol with Umaria District. Thereafter, the river Son flows due east and marks the northern boundary of Shahdol district with Satna district. The important tributaries of the Son River are the Kunaknadi and the Chuwadinadi. The river son draining the south eastern parts of the district through its important tributaries like Tipan, Chandas and Bakan flow in the north-west direction with a dendritic pattern, draining the central plains of the district.
2. **River Banas:** Banas River flowing along the eastern boundary of the district, marking the boundary of the district Shahdol with Sidhi District. The north-western part of the district is drained by the Banas River and its tributaries namely the Jhanapar River, Kormarnadi, the Rampanadi, and the OdariNadi. Banas River confluences with the Son River at the northernmost tip of Shahdol.

  
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## CHAPTER - 12

### DRAINAGE AND IRRIGATION PATTERN:

#### **Drainage Pattern:**


The entire district is drained by Son River and its tributaries. Thus the area falls in the Ganga Basin. The river Son flows due north till the northern extent of the district, marking the western boundary of the district Shahdol with Umaria District. Thereafter, the river Son flows due east and marks the northern boundary of Shahdol district with Satna district. The important tributaries of the Son river are the Kunak nadi and the Chuwadi nadi. The river son draining the south eastern parts of the district through its important tributaries like Tipan, Chandas and Bakan flow in the north-west direction with a dendritic pattern, draining the central plains of the district. Another important tributary of the Son River is the Banas River, flowing along the eastern boundary of the district, marking the boundary of the district Shahdol with Sidhi District. The north-western part of the district is drained by the Banas River and its tributaries namely the Jhanapar River, Kormar nadi, the Rampa nadi, and the Odari Nadi. Banas River confluences with the Son River at the northernmost tip of Shahdol District.

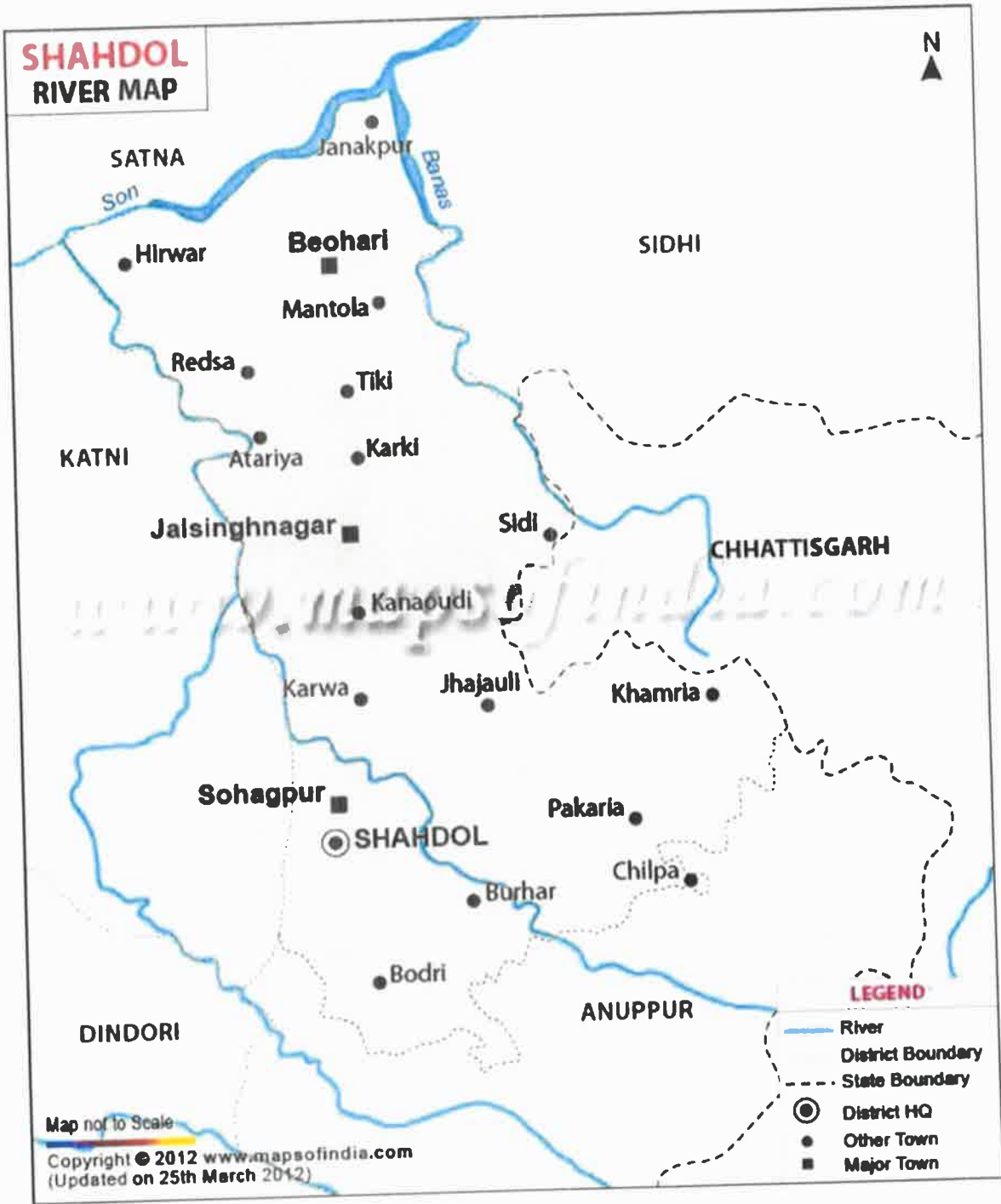
#### **IRRIGATION**


Bansagar is a multipurpose river valley project on Son River situated in Ganga Basin in Madhya Pradesh, envisaging both irrigation and hydroelectric power generation. The Bansagar Dam across Son River is constructed at village Deolond in Shahdol district on Rewa – Shahdol road.

However, irrigation through this Project will benefit only a small area in the north of the District. Shahdol district still has poor irrigation facility. Only 9% of the total crop gets irrigation facility. Tribals of the district prefer the cultivation in the old traditional method and depend mainly on rain. The area irrigated by canals, tubewells, dugwells and tanks are tabulated below in Table below-

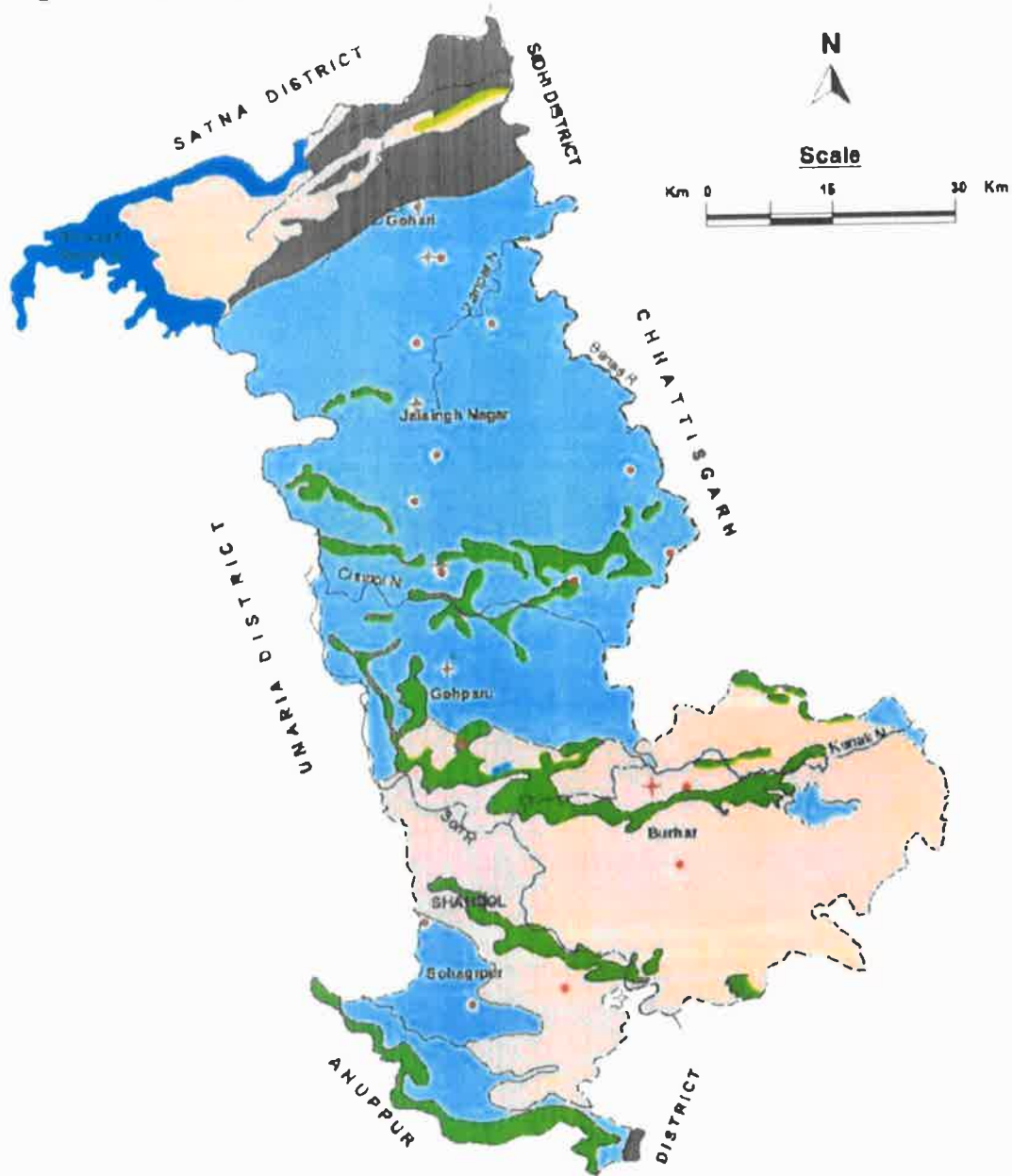
<b>IRRIGATION BY DIFFERENT SOURCES</b>		
	<b>Number of Structures</b>	<b>Area (sq km)</b>
Dugwells	2470	37.98
Tube wells/Bore wells	513	13
Tanks/Ponds	457	24
Canals	76	44
Other Sources		89.0
Gross Irrigated Area		208

  
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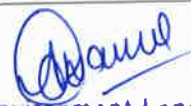


  
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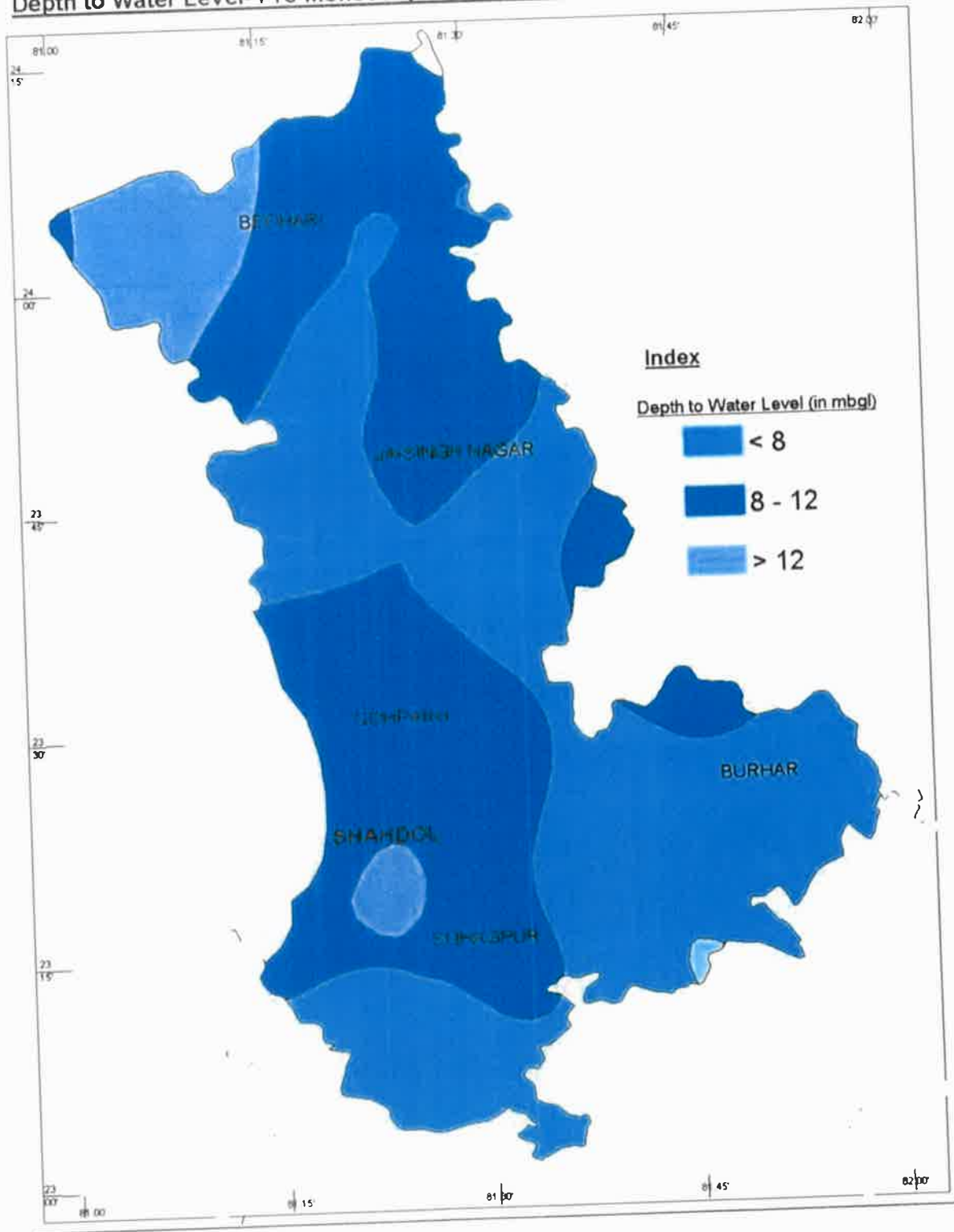
**Fig. 2 : Hydrogeology, Shahdol District (M.P.)**



Lithology	Yield Potential (in lps)	Symbol	Description
Basalt and Basaltic Diorite Intrusives	1-3	Blue wavy line	River
Sandstone / Limestone Shale, Sandstone, Clay	1-5	Red circle	Monitoring Well
Sandstone and Shale with Coal - Scoria	1-5	Star symbol	Exploratory Well
Sandstone Conglomerate	1-4	Star with circle	High Yielding Exploratory Well
Pink granite with pyroxene Ultrabasic Intrusives - Phylite, Schists, Quartzite, Diorite and metabasite	1-5	Blue circle	Free Flowing Exploratory Well
		Blue dashed line	Groundwater Divide

  
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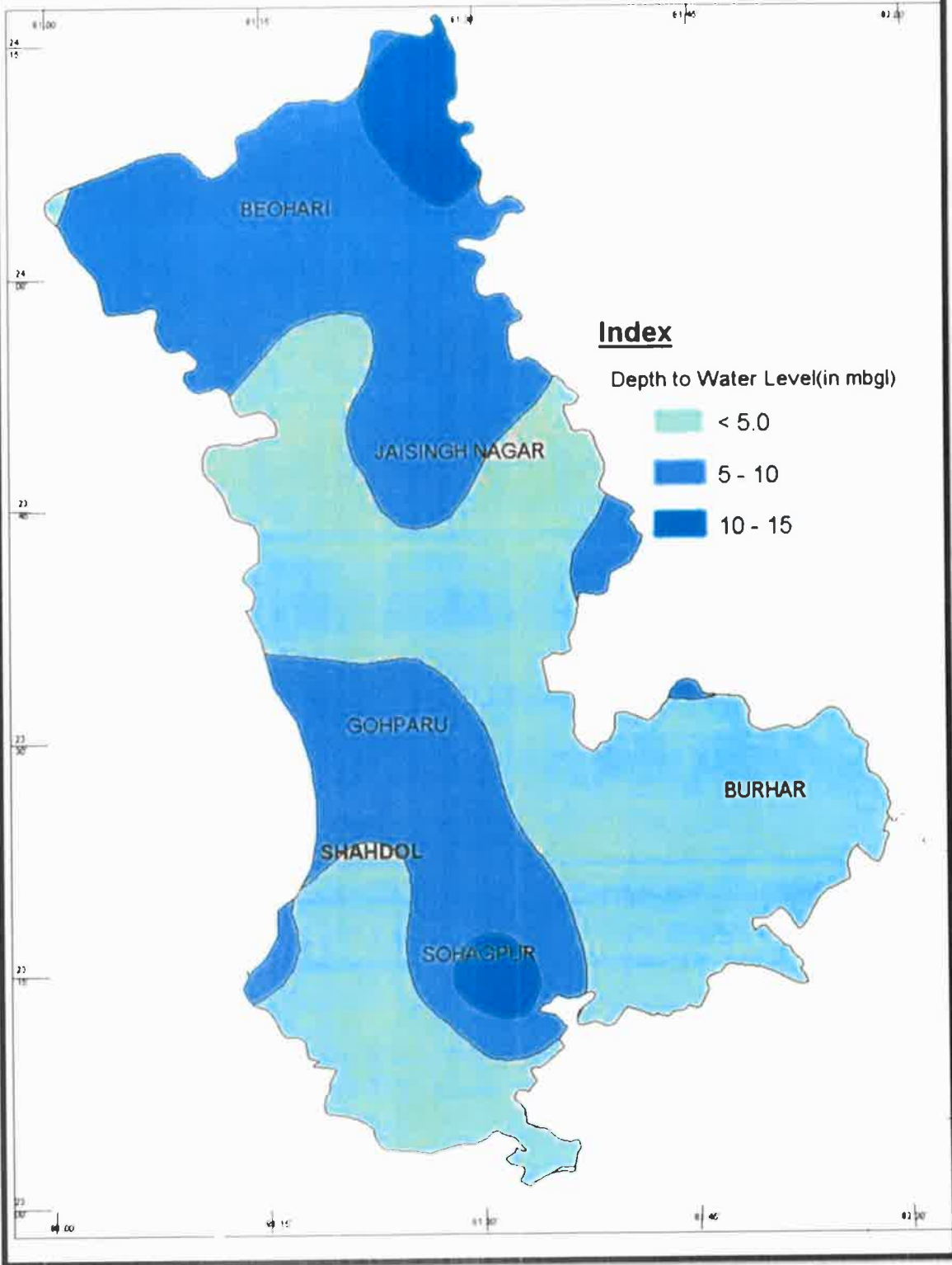
**Depth to Water Level- Pre-Monsoon(May'2012) District Shahdol, M.P.**



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Depth to Water Level Post - Monsoon(Nov' 2012) District Shahdol, M.P.

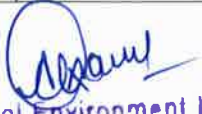


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### SAND MINING AREA BASED ON PRE MONSOON


S.No.	Name of Mines	Total Area in Sq. meter	Depth (in meter)	Sand Mine Quantity in Cu. Meter
1	Village - Jaitpur, Khasra No - 576, Area - 2.023 Ha	20230	2.50	50575
2	Village - Kamta Khasra No - 685, Area - 4.00 Ha	40000	1.0	40000
3	Village - Pairibahara, Khasra No - 718,559,574,572, Area - 10.076 Ha	100760	2.50	251900
4	Village - Kolhuwa, Khasra No. - 1, Area - 4.046 Ha	40460	2.50	101150
5	Village - Lukampur, Khasra No. - 1,158,159, Area - 3.641 Ha	36410	2.50	91025
6	Village - Lalpur, Khasra No. - 2084, Area - 5.00 Ha	50000	0.50	25000
7	Village - Rohniya Khasra No. - 167, Area - 5.00 Ha	50000	0.70	35000
8	Village - Patasi, Khasra No. 28, Area - 5.00 Ha	50000	0.50	25000
9	Village - Batura Khasra No. - 1279/1567, Area - 5.00 Ha	50000	0.6	30000
10	Village - Chaka, Khasra No. -853/1317, Area - 5.00 Ha	20230	0.3	6069
11	Village - Harratola, Khasra No. - 899/982, Area - 4.80 Ha	48000	2.0	96000
12	Village - Vishunpurwa, Khasra No. - 363, Area - 3.00 Ha	30000	2.0	60000
13	Village - Ankuri, Khasra No. - 617, Area - 4.00 Ha	40000	3.0	120000
14	Village - Semra, Khasra No. - 492,497, Area - 4.047 Ha	No Data Available		
15	Village - Masira, Khasra No. - 39/534, Area 20.00 Ha	200000	0.50	100000

  
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16	Village – Datari, Khasra No. - 191/242, Area - 0.829 Ha	8290	2.0	16580
17	Village – Pasaudh, Khasra No. 455/472,291/471,7/470, Area - 43.303 Ha	433030	0.5	216515
18	Village –Atariya, Khasra No. - 1,52, Area - 4.490 Ha	44900	1.3	58370
19	Village – Pondikala-3 Khasra No. 1801/2062,2055/2063, 1857/2064 Area - 75.523 Ha	755230	3	2265690
20	Village – Semarpakha-1, Khasra No. - 297/552, Area - 4.00 Ha	40000	3	120000
21	Village –Semarpakha-2, Khasra No. - 223/551, Area - 6.00 Ha	60000	2	120000
22	Village – Pondikala-2, Khasra No. - 1801/2062, Area - 4.80 Ha	48000	1.8	86400
23	Village –Pondikala-1, Khasra No. - 2055/2063, Area - 3.90 Ha	39000	0.60	23400
24	Village – Charakwah, Khasra No. - 283/290, Area - 4.00 Ha	40000	0.5	20000
25	Village – Barachh-1, Khasra No. - 2524, Area - 4.734 Ha	47340	2.50	118350
26	Village – Barachh-2, Khasra No. 2126/1,2490,2491, Area - 8.00 Ha	80000	2.5	200000
27	Village – Barachh, Khasra No. 2526,2573,2575/1,626/1, 616, Area - 8.00 Ha	80000	2.5	200000
28	Village – Barkachh, Khasra No. - 266/1, Area - 10.00 Ha	100000	2.5	250000
29	Village – Sanausi, Khasra No. - 1453, Area - 1.457 Ha	14570	2.40	34968
30	Village – Raspur-1, Khasra No. 1364,433,1316, Area - 23.00 Ha	230000	2.5	575000

  
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31	Village – Raspur-2, Khasra No. - 433, Area - 4.00 Ha	40000	0.40	16000
32	Village – Boddiha-1, Khasra No. -233, Area - 4.50 Ha	45000	0.70	31500
33	Village – Boddiha-2, Khasra No. - 165, Area - 2.314 Ha	23140	0.5	11570
34	Village –Uksa, Khasra No. - 497, Area - 5.00 Ha	50000	3	150000
35	Village – Khamdand, Khasra No. - 197,203,187, Area - 12.177 Ha	121770	1	121770
36	Village – Jharausi-1, Khasra No. - 598, Area - 6.163 ha	61630	2.60	160238
37	Village – Jharausi-2, Khasra No. - 1492, Area - 9.023 Ha	90230	3	276090
38	Village – Gandhiya, Khasra No. - 689, Area - 7.355	73550	2.60	191230
39	Village – Pahdiya, Khasra No. - 965/2, Area - 2.848 Ha	28480	1.50	42720
40	Village–Bhatigawakhurd, Khasra No. - 91, Area 4.80 Ha	48000	0.70	33600
41	Village –Dadar, Khasra No. -567,568, Area - 5.00 Ha	50000	2.00	100000
42	Village – Bhangjir, Khasra No. -22,178, Area - 3.484 Ha	34840	2.00	69680
43	Village – Daren, Khasra No. - 515/1,315, Area - 2.661 Ha	26610	2.00	53220
44	Village – Amjhor, Khasra No. 470,243,820, Area - 5.26 Ha	52600	1.50	78900
45	Village – Saunta, Khasra No. -380, Area 2.63 Ha	26300	2.50	65750
46	Village – Pateratola, Khasra No. -139,202 Area – 4.50 Ha	45000	1.20	54000
47	Village – Tagawar, Khasra No. - 113, Area – 1.404 Ha	14040	1.20	16848


  
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48	Village - Nawagaon, Khasra No. -1,23, Area - 4.973	49730	1.90	94487
49	Village - Bhursi, Khasra No. -15, Area - 4.00 Ha	40000	0.60	24000
50	Village - Lodhi, Khasra No. - 64, Area - 3.173 Ha	31730	2.50	79325
Total		3749100		7002520

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


## SAND MINING AREA BASED ON POST MONSOON

S.No.	Name of Mines	Total Area in Sq. meter	Depth (in meter)	Sand Mine Quantity in Cu. Meter
1	Village - Jaitpur. Khasra No - 576. Area - 2.023 Ha	20230	3.0	60690
2	Village - Kamta Khasra No - 685. Area - 4.00 Ha	40000	3.0	120000
3	Village - Pairibahara, Khasra No 718,559,574,572. Area - 10.076 Ha	100760	3.0	302280
4	Village - Kolhuwa, Khasra No. - 1, Area - 4.046 Ha	40460	3.0	121380
5	Village - Lukampur, Khasra No. - 1,158,159. Area - 3.641 Ha	36410	3.0	109230
6	Village - Lalpur, Khasra No. - 2084, Area - 5.00 Ha	50000	3.0	150000
7	Village - Rohniya Khasra No. - 167, Area - 5.00 Ha	50000	3.0	150000
8	Village - Patasi, Khasra No. 28, Area - 5.00 Ha	50000	3.0	150000
9	Village - Batura Khasra No. - 1279/1567, Area - 5.00 Ha	50000	3.0	150000
10	Village - Chaka, Khasra No. -853/1317, Area - 5.00 Ha	20230	3.0	60690
11	Village - Harratola, Khasra No. - 899/982, Area - 4.80 Ha	48000	3.0	144000
12	Village - Vishunpurwa, Khasra No. - 363, Area - 3.00 Ha	30000	3.0	90000
13	Village - Ankuri, Khasra No. - 617, Area - 4.00 Ha	40000	3.0	120000
14	Village - Semra, Khasra No. - 492,497, Area - 4.047 Ha	No Data Available		
15	Village - Masira, Khasra No. - 39/534, Area 20.00 Ha	200000	3.0	600000


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



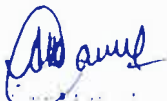
16	Village - Datari, Khasra No. - 191/242, Area - 0.829 Ha	8290	3.0	24870
17	Village - Pasaudh, Khasra No. - 455/472,291/471,7/470, Area - 43.303 Ha	433030	3.0	1299090
18	Village -Atariya, Khasra No. - 1,52, Area - 4.490 Ha	44900	3.0	134700
19	Village - Pondikala-3 Khasra No. - 1801/2062,2055/2063, 1857/2064 Area - 75.523 Ha	755230	3.0	2265690
20	Village - Semarpakha-1, Khasra No. - 297/552, Area - 4.00 Ha	40000	3.0	120000
21	Village -Semarpakha-2, Khasra No. - 223/551, Area - 6.00 Ha	60000	3.0	180000
22	Village - Pondikala-2, Khasra No. - 1801/2062, Area - 4.80 Ha	48000	3.0	144000
23	Village -Pondikala-1, Khasra No. - 2055/2063, Area - 3.90 Ha	39000	3.0	117000
24	Village - Charakwah, Khasra No. - 283/290, Area - 4.00 Ha	40000	3.0	120000
25	Village - Barachh-1, Khasra No. - 2524, Area - 4.734 Ha	47340	3.0	142020
26	Village - Barachh-2, Khasra No. - 2126/1,2490,2491, Area - 8.00 Ha	80000	3.0	240000
27	Village - Barachh, Khasra No. - 2526,2573,2575/1,626/1, 616, Area - 8.00 Ha	80000	3.0	240000
28	Village - Barkachh, Khasra No. - 266/1, Area - 10.00 Ha	100000	3.0	300000
29	Village - Sanausi, Khasra No. - 1453, Area - 1.457 Ha	14570	3.0	43710
30	Village - Raspur-1, Khasra No. - 1364,433,1316, Area - 23.00 Ha	230000	3.0	690000

  
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31	Village - Raspur-2, Khasra No. - 433, Area - 4.00 Ha	40000	3.0	120000
32	Village - Boddaha-1, Khasra No. -233, Area - 4.50 Ha	45000	3.0	135000
33	Village - Boddaha-2, Khasra No. - 165, Area - 2.314 Ha	23140	3.0	69420
34	Village -Uksa, Khasra No. - 497, Area - 5.00 Ha	50000	3.0	150000
35	Village - Khamdand, Khasra No. - 197,203,187, Area - 12.177 Ha	121770	3.0	365310
36	Village - Jharausi-1, Khasra No. - 598, Area - 6.163 ha	61630	3.0	184890
37	Village - Jharausi-2, Khasra No. - 1492, Area - 9.023 Ha	90230	3.0	270690
38	Village - Gandhiya, Khasra No. - 689, Area - 7.355	73550	3.0	220650
39	Village - Pahdiya, Khasra No. - 965/2, Area - 2.848 Ha	28480	3.0	85440
40	Village-Bhatigawakhurd, Khasra No. - 91, Area 4.80 Ha	48000	3.0	144000
41	Village -Dadar, Khasra No. -567,568, Area - 5.00 Ha	50000	3.0	150000
42	Village - Bhangjir, Khasra No. -22,178, Area - 3.484 Ha	34840	3.0	104520
43	Village - Daren, Khasra No. - 515/1,315, Area - 2.661 Ha	26610	3.0	79830
44	Village - Amjhor, Khasra No. 470,243,820, Area - 5.26 Ha	52600	3.0	157800
45	Village - Saunta, Khasra No. -380, Area 2.63 Ha	26300	3.0	78900
46	Village - Pateratola, Khasra No. -139/202 Area - 4.50 Ha	45000	3.0	135000
47	Village - Tagawar, Khasra No. - 113, Area - 1.404 Ha	14040	3.0	42120

  
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48	Village - Nawagaon, Khasra No. -1,23, Area - 4.973	49730	3.0	149190
49	Village - Bhursi, Khasra No. -15, Area - 4.00 Ha	40000	3.0	120000
50	Village - Lodhi, Khasra No. - 64, Area - 3.173 Ha	31730	3.0	95190
Total		3749100	3.0	11247300


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

**Annexure -I****Description of Main River& their drainage system**

S.N	Name of River	Drainage area (in KM)	% of drainage area in district
1	Son river	18500	75
2	Mudna	126	70
3	Sarfa	405	100
4	Kunuk	880	97
5	Chundi	550	92
6	Odari	464	82
7	Banas	360	36
8	Jhapar	295	100
9	Samdhin	310	100

**ANNEXURE II****Main characteristics of Main River or stream**

S.N	Name of river or stream	Total length in district (in km)	Place of origin	Height at place of origin (in mt.)
1	Son river	210	Sonmuda amarkantak	1,048
2	Mudna	42	kelmaniya	571
3	Sarfa	39	Samatpur	607
4	Kunuk	69	Kunuk Chhattisgarh	635
5	Chundi	52	Bhumka Chhattisgarh	509
6	Odari	44	Kavarpur Chhattisgarh	540
7	Banas	102	Chhattisgarh	-
8	Jhapar	25	Bijha	414
9	Samdhin	-	-	-

  
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**Annexure - III**


S. No.	Name of the River or Stream	Portion of the River or Stream Recommended for Mineral Concession	Length of area Recommended for Mineral Concession (in meters)	Average width of area Recommended for Mineral Concession (in meters)	Area Recommended for Mineral Concession (in square meters) x Depth	Total sand (in M <sup>3</sup> ) Area x Depth = Volume	Total sand Qty (in MT) (according to 1.4MT/1000)	Mineable Mineral Potential (in MT) 60% of total mineral potential) x 60/100	Mineral production in last 3 years (in Cubic Meter)
1	Kunuk	Village - Jaipur. Khasra No - 576. Area - 2.023 Ha	332	60.93	20230x3	60690	84966	50980	Environment Clearance Pending 2019-20- Nil 2020-21-39600 2021-22-39600
2	Kunuk	Village - Kamta Khasra No - 685. Area - 4.00 Ha	595	67.22	40000x3	120000	168000	100800	Environment Clearance Pending
3	Kunuk	Village - Pairbahara. Khasra No - 718.559.574.572. Area - 10.076 Ha	2500	40.30	100760x3	302280	423192	253915	Environment Clearance Pending
4	Kunuk	Village - Kolhuwa. Khasra No. - 1. Area - 4.046 Ha	1160	34.87	40460x3	121380	169932	101959	Environment Clearance Pending
5	Kunuk	Village - Lukampur. Khasra No. - 1,158,159. Area - 3.641 Ha	970	37.53	36410x3	109230	152922	91753	Environment Clearance Pending
6	Son	Village - Lalpur. Khasra No. - 2084. Area - 5.00 Ha	644	77.63	50000x3	150000	210000	126000	2019-20- Nil 2020-21-58500 2021-22-58500
7	Son	Village - Rohniya Khasra No. - 167. Area - 5.00 Ha	1450	34.48	50000x3	150000	210000	126000	2019-20- Nil 2020-21-125000 2021-22-125000
8	Son	Village - Patasi. Khasra No. 28. Area - 5.00 Ha	735	68	50000x3	150000	210000	126000	2019-20- Nil 2020-21-82000 2021-22-82000

  
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9	Son	Village - Batura Khasra No. - 1279/1567. Area - 5.00 Ha	570	87.72	<del>50000x3</del>	150000	210000	126000	2019-20- Nil 2020-21-100800 2021-22-100800		
10	Son	Village - Chaka. Khasra No. - 853/1317. Area - 2.023 Ha	222	90.10	20230x3	60690	84966	50979.6	2019-20- Nil 2020-21-49590 2021-22-49590		
11	Son	Village - Harratola. Khasra No. - 899/982. Area - 4.80 Ha	590	81.35	48000x3	144000	201600	120960	Environment Clearance Pending		
12	Son	Village - Vishunpurwa. Khasra No. - 363. Area - 3.00 Ha	390	76.92	30000x3	90000	126000	75600	Environment Clearance Pending		
13	Son	Village - Ankuri. Khasra No. - 617. Area - 4.00 Ha	385	103.90	40000x3	120000	168000	100800	Environment Clearance Pending		
14	Charaucha	Village - Semra. Khasra No. - 492.497. Area - 4.047 Ha	Data Not Available								
15	Son	Village - Masira. Khasra No. - 39/534. Area 20.00 Ha	1440	138.88	200000x3	600000	840000	504000	2019-20- Nil 2020-21- Nil 2021-22-96300		
16	Son	Village - Datari. Khasra No. - 191/242. Area - 0.829 Ha	140	59.20	8290x3	24870	34818	20891	Environment Clearance Pending		
17	Son	Village - Pasaudh. Khasra No. - 455/472.291/471.7/470. Area - 43.303 Ha	3550	121.98	433030x3	1299090	1818726	1091236	2019-20- Nil 2020-21- Nil 2021-22-119998		
18	Halfal	Village - Atariya. Khasra No. - 1.52. Area - 4.490 Ha	2000	22.45	44900x3	134700	188580	113148	Environment Clearance Pending		
19	Son	Village - Pondikala-3. Khasra No. - 1801/2062.2055/2063.185 7/2064 Area - 75.523 Ha	3780	199.80	755230x3	2265690	3171966	1903180	Environment Clearance Pending		

20	Son	Village - Semarpakha.-1 Khasra No. - 297/552. Area - 4.00 Ha	316	126.58	40000x3	120000	168000	100800	Environment Clearance Pending
21	Son	Village - Semarpakha.-2 Khasra No. - 223/551. Area - 6.00 Ha	456	131.57	60000x3	180000	252000	151200	Environment Clearance Pending
22	Son	Village - Pondikala.-2. Khasra No. - 1801/2062. Area - 4.80 Ha	360	133.33	48000x3	144000	201600	120960	2019-20- Nil 2020-21- Nil 2021-22- Nil
23	son	Village - Pondikala.-1 Khasra No. - 2055/2063. Area - 3.90 Ha	191	205	39000x3	117000	163800	98280	2019-20- Nil 2020-21-87750 2021-22-87750
24	Nala	Village - Charakwah. Khasra No. - 283/290. Area - 4.00 Ha	1240	32.25	40000x3	120000	168000	100800	2019-20- Nil 2020-21- Nil 2021-22-65000
25	Jhapar	Village - Barachh.-1 Khasra No. - 2524. Area - 4.734 Ha	665	71.18	47340x3	142020	198828	119297	2019-20- Nil 2020-21- Nil 2021-22- Nil
26	Jhapar	Village - Barachh.-2 Khasra No. - 2126/1.2490.2491. Area - 8.00 Ha	715	111.88	80000x3	240000	336000	201600	2019-20- Nil 2020-21- Nil 2021-22- Nil
27	Jhapar	Village - Barachh.-3 Khasra No. - 2526.2573.2575/1.626/1.6 16. Area - 8.00 Ha	775	103.22	80000x3	240000	336000	201600	2019-20- Nil 2020-21- Nil 2021-22- Nil
28	Jhapar	Village - Barkachh. Khasra No. - 266/1. Area - 10.00 Ha	1270	78.74	100000x3	300000	420000	252000	2019-20- Nil 2020-21- Nil 2021-22- Nil
29	Balauth	Village - Sanausi. Khasra No. - 1453. Area - 1.457 Ha	565	25.78	14570x3	43710	61194	36716	Environment Clearance Pending
30	Jhapar	Village - Raspur-1 Khasra No. - 1364.433.1316. Area - 23.00 Ha	2680	85.82	230000x3	690000	966000	579600	Environment Clearance Pending

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

31	Jhapar	Village - Raspur-2 Khasra No. - 433. Area - 4.00 Ha	700	57.14	40000x3	120000	168000	100800	2019-20-68040 2020-21-68040 2021-22-68040
32	Banas	Village - Boddhiha-1 Khasra No. - 233. Area - 4.50 Ha	506	89	45000x3	135000	189000	113400	2019-20-71280 2020-21-71280 2021-22-71280
33	Banas	Village - Boddhiha-2 Khasra No. - 165. Area - 2.314 Ha	250	92.56	23140x3	69420	97188	58313	2019-20- Nil 2020-21- Nil 2021-22-42060
34	Jhapar	Village - Ukssa. Khasra No. - 497. Area - 5.00 Ha	1410	35.46	50000x3	150000	210000	126000	Environment Clearance Pending
35	Samdhin	Village - Khamdand. Khasra No. - 197.203.187. Area - 12.177 Ha	2600	46.83	121770x3	365310	511434	306860	Environment Clearance Pending
36	Jhapar	Village - Jharausi-1 Khasra No. - 598. Area - 6.163 ha	1040	59.26	61630x3	184890	258846	155308	Environment Clearance Pending
37	Jhapar	Village - Jharausi-2 Khasra No. - 1492. Area - 9.203 Ha	1520	59.36	90230x3	270690	378966	227380	Environment Clearance Pending
38	Chundi	Village - Gandhiya. Khasra No. - 689. Area - 7.355	1109	66.32	73550x3	220650	308910	185346	Environment Clearance Pending
39	Kathina	Village - Pahdiya. Khasra No. - 965/2. Area - 2.848 Ha	2260	12.60	28480x3	85440	119616	71770	Environment Clearance Pending
40	Chundi	Village - Bhatigawakurd. Khasra No. - 91. Area 4.80 Ha	1210	39.66	48000x3	144000	201600	120960	2019-20- 72270 2020-21-72270 2021-22-72270
41	Chundi	Village - Dadar. Khasra No. - 567.568. Area - 5.00 Ha	1452	34.43	50000x3	150000	210000	126000	Environment Clearance Pending
42	Ledar Nata	Village - Bhangjir. Khasra No. - 22.178. Area - 3.484 Ha	1240	28.89	34840x3	104520	146328	87797	Environment Clearance Pending

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Parvatan Prasad  
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43	Jagbhulla Nala	Village - Daren, Khasra No. - 515/1,315, Area - 2.661 Ha	681	39.07	26610x3	79830	111762	67057	Environment Clearance Pending
44	Charaunchaa Nala	Village - Amjhor, Khasra No. 470,243,820, Area - 5.26 Ha	1160	45.34	52600x3	157800	220920	132552	Environment Clearance Pending
45	Nala	Village - Saunta, Khasra No. -380, Area 2.63 Ha	690	38.11	26300x3	78900	110460	66276	Environment Clearance Pending
46	Nala	Village - Pateratola, Khasra No. -139/202 Area - 4.50 Ha	1180	38.13	45000x3	135000	189000	113400	Environment Clearance Pending
47	Nala	Village - Tagawar, Khasra No. -113, Area - 1.404Ha	600	23.40	14040x3	42120	58968	35381	Environment Clearance Pending
48	Chundi	Village - Nawagaon, Khasra No. -1,23, Area - 4.973	1490	33.37	49730x3	149190	208866	125320	Environment Clearance Pending
49	Akhadar	Village - Bhursi, Khasra No. -15, Area - 4.00 Ha	1700	23.52	40000x3	120000	168000	100800	2019-20- 58410 2020-21-58410 2021-22-58410
50	Chundi	Village - Lodhi, Khasra No. - 64, Area - 3.173 Ha	980	32.37	31730x3	95190	133266	79960	Environment Clearance Pending
<b>Total</b>					<b>3749100 X 3</b>	<b>11247300</b>	<b>15746220</b>	<b>9447732</b>	2019-20- 270000 2020-21- 813240 2021-22- 1136998

  
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Annexure -IV**Mineral Potential**

<b>Boulder (in Mt.)</b>	<b>Sand (in Mt.)</b>	<b>Bajari (in Mt.)</b>	<b>Total mineable mineral capacity (in Mt.)</b>
-	15746220	-	9447732

Annexure -V**Annual Deposition**

<b>Boulder (in Mt.)</b>	<b>Sand (in Mt.)</b>	<b>Bajari (in Mt.)</b>	<b>Total mineable mineral capacity (in Mt.)</b>
-	15746220	-	9447732

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



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सदत का नाम - ग्राम - रसपुर, तहसील - ब्योहरी  
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484774, India  
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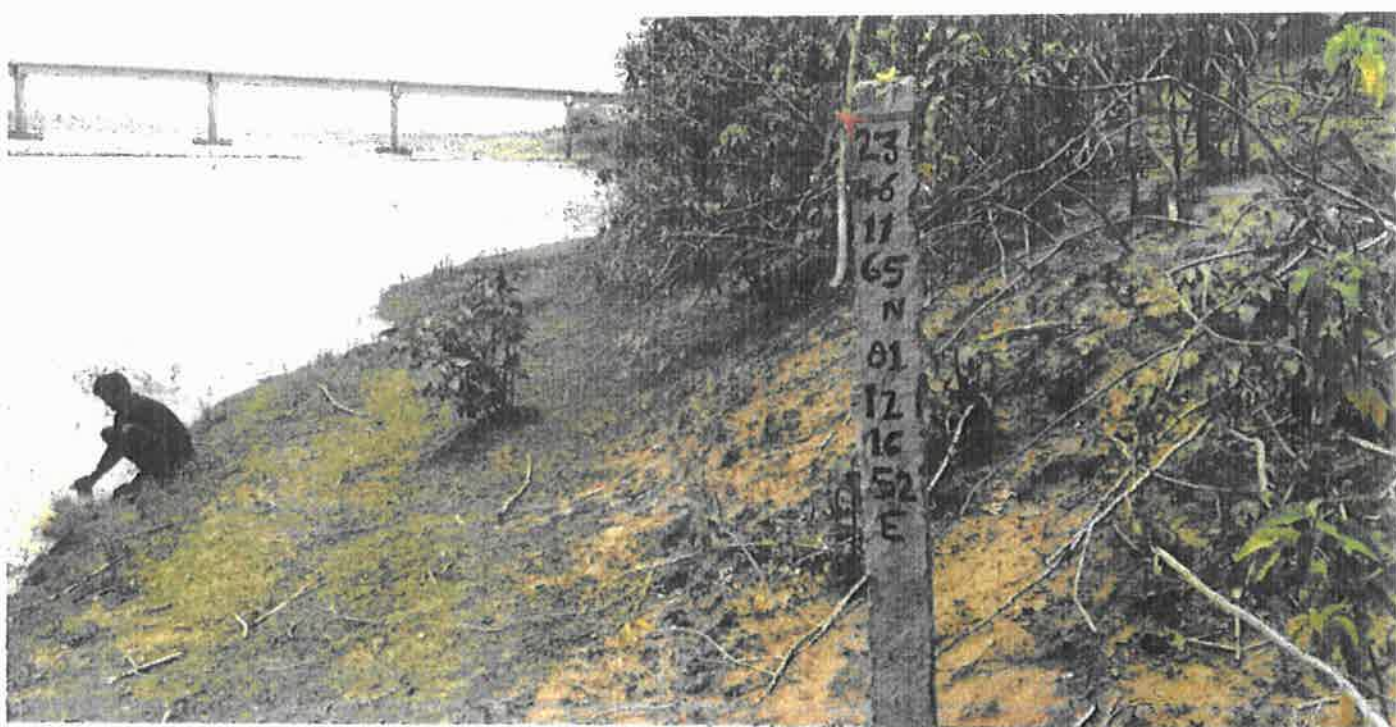
  
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E.S. Area Colony, Bhopal (M.P.)






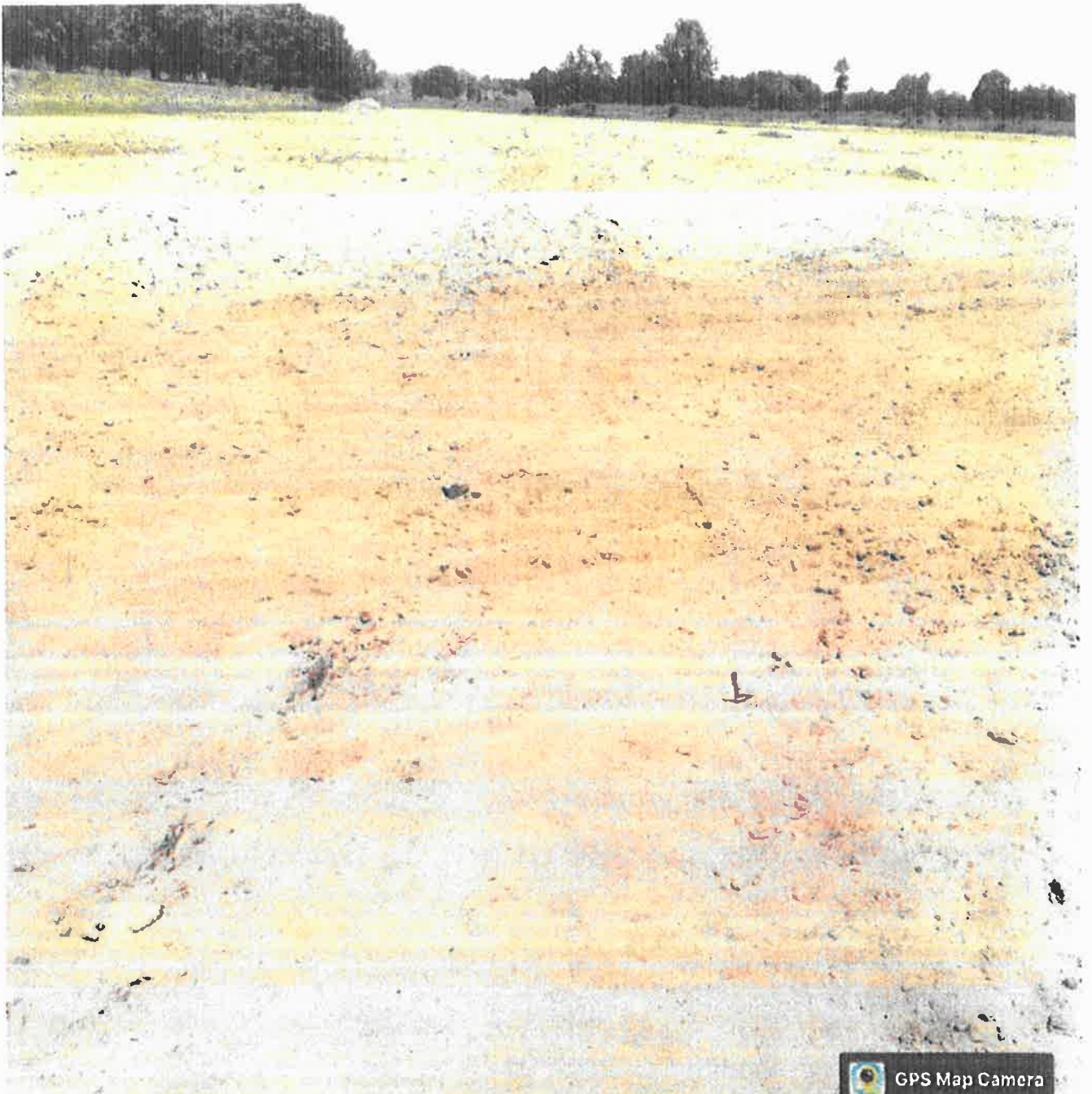
  
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खदानका नाम- चरकवाह, तह. जयसिंहनगर  
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जिला नरसिंहपुर

रेन स्वतंत्र गोडिड्या, १६

तह, व्योहारी जिला शहडोला

समय १६५ रफा २३०६ अमिदि ३०/०६/०२३

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





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Baryavarán Parisar  
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E-3 Arera Colony, Bhopal (M.P.)



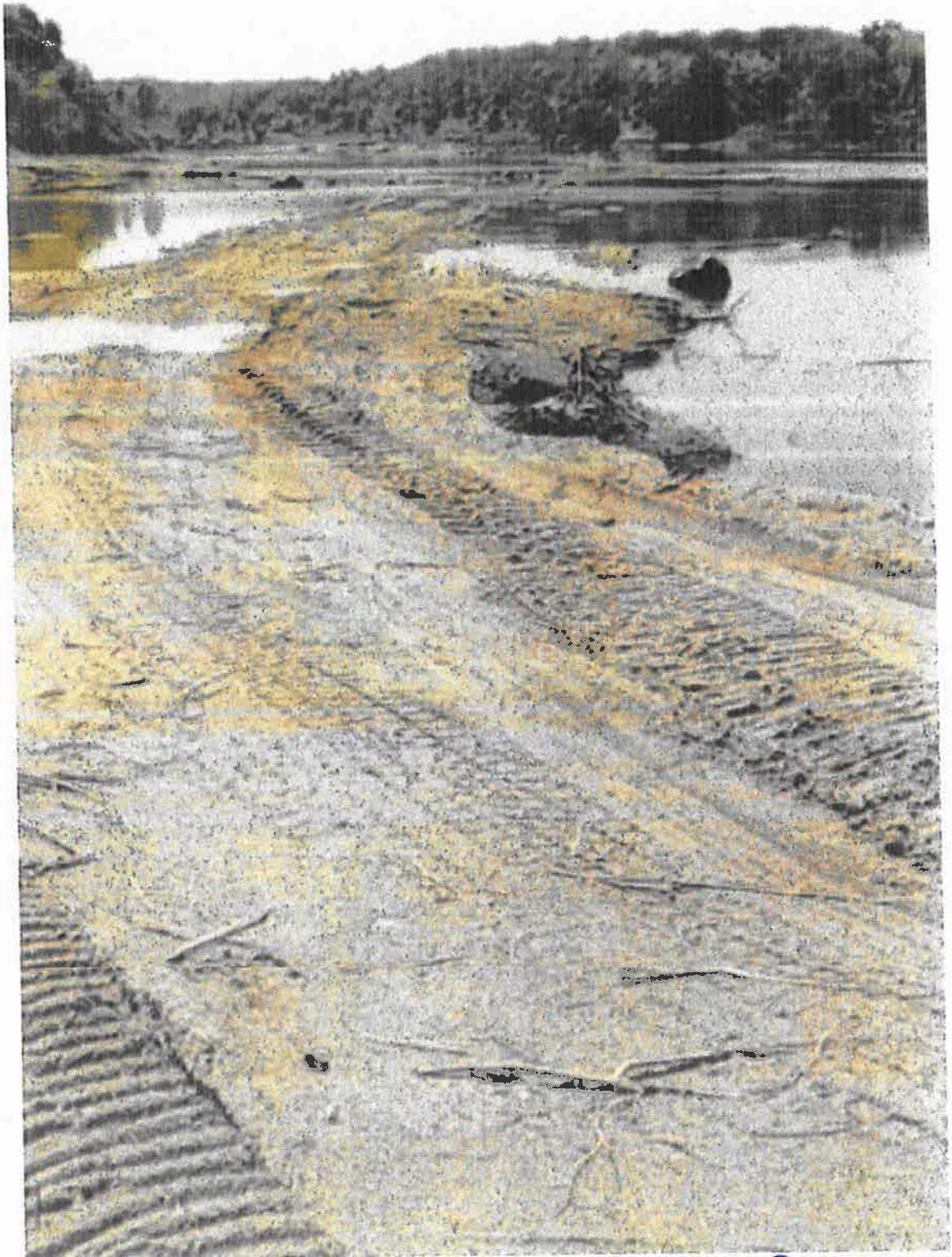


*Abhishek*

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*Abdul*

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*Parveeraj Parisar*  
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खदान का नाम- चरकवाह, तह. जयसिंहनगर

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Parysaveran Pariser  
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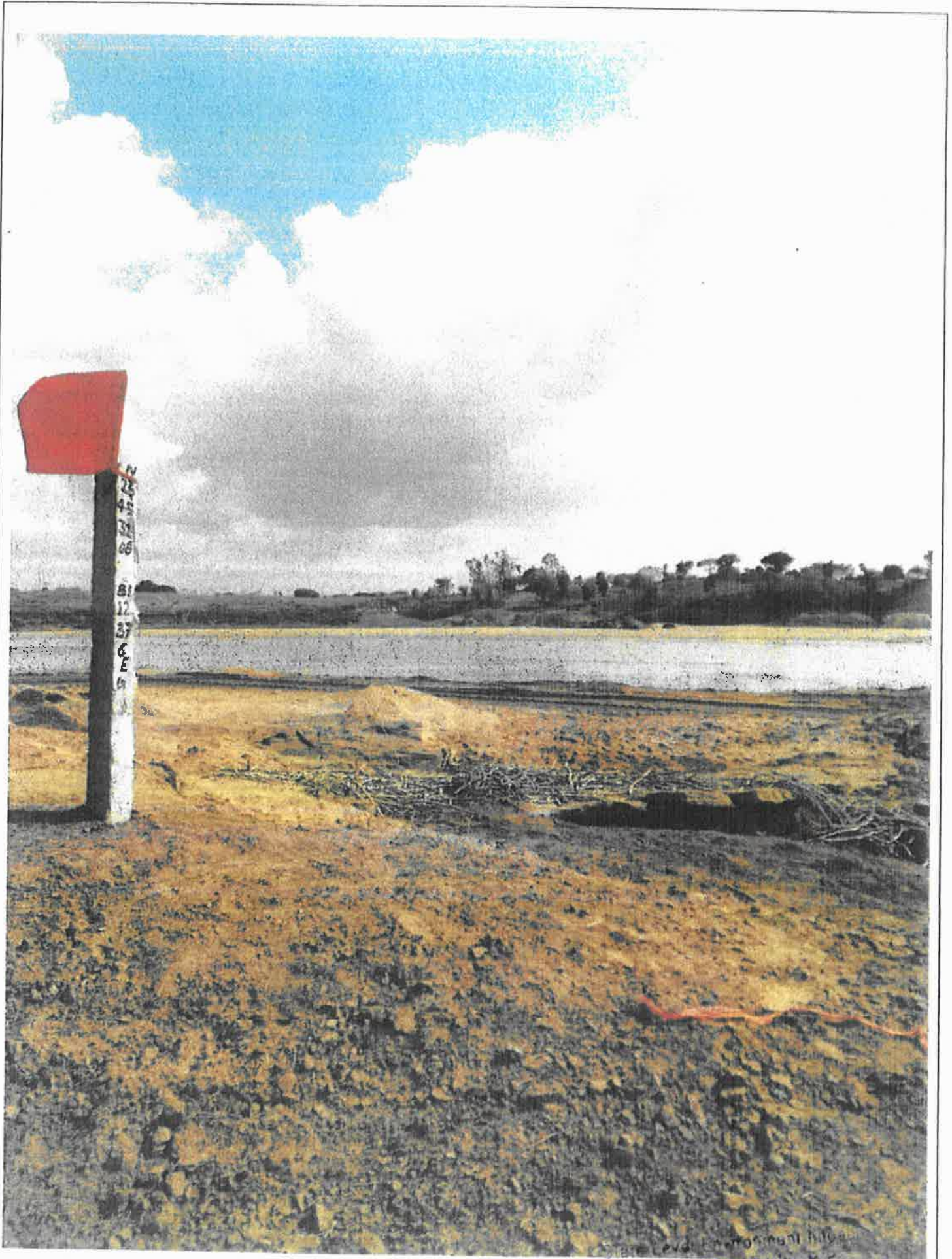




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**Paryaveeran Pariser  
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(EOP 01)  
Parvathamma  
N. A. I. P. A. (M. P.)





*[Signature]*  
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(EPCO)  
Parvatanagar Purisra  
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*David*  
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Parvatharajapuram  
M. S. Nara Sany, Bhagal (M. P.)



*Alkand*  
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(EPCO)  
Parvatan Pariser  
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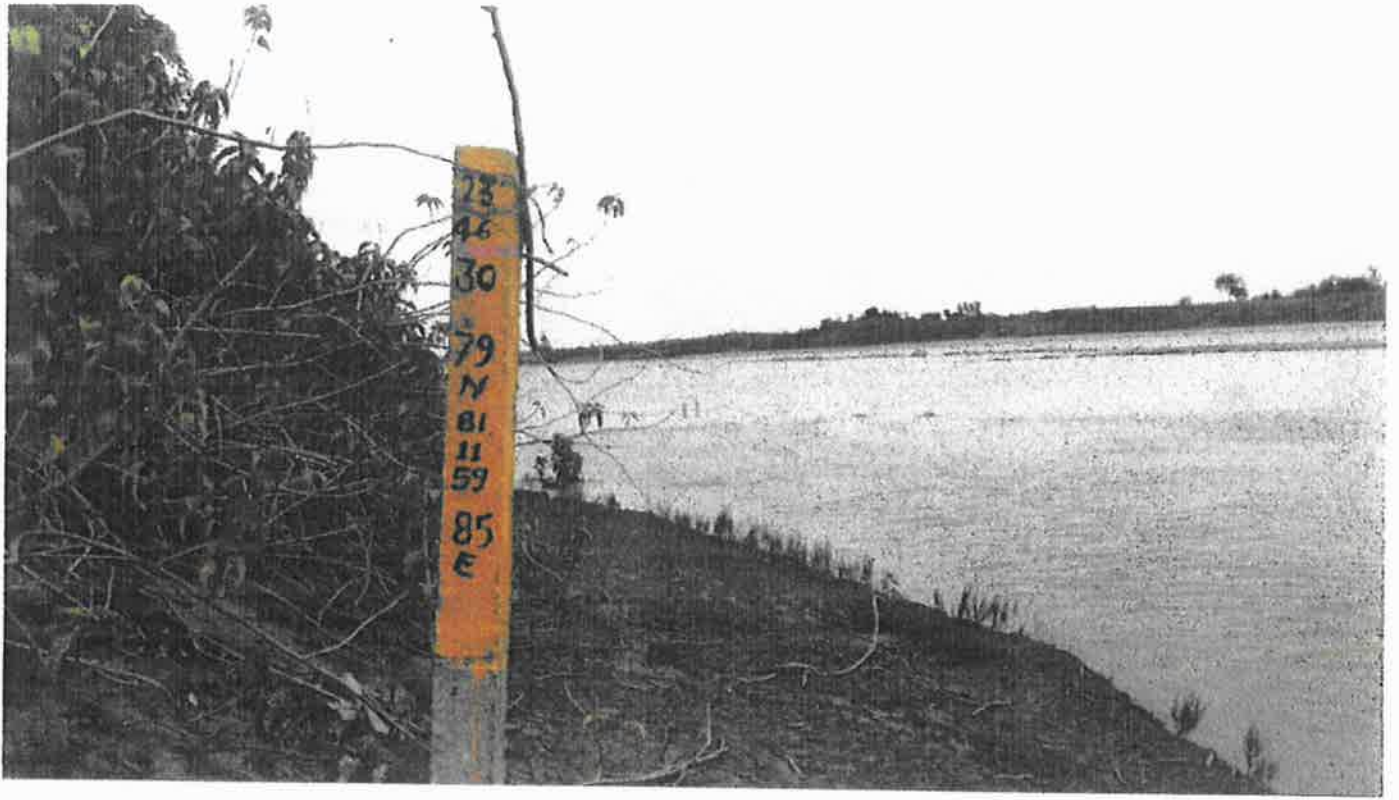






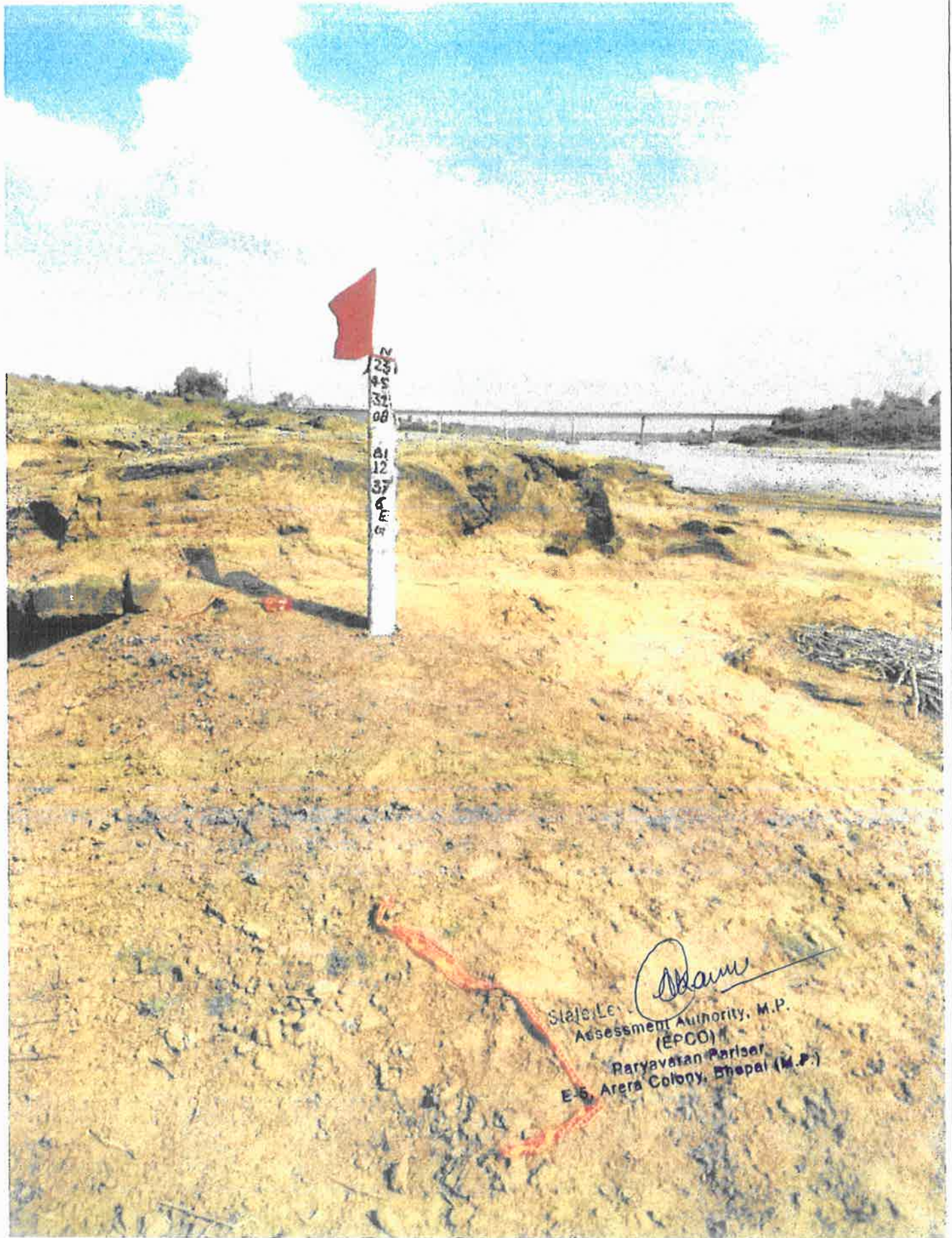
*Abigail*  
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*Dr. A. S. Rawal*  
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*Sham*  
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