Annexure –I

Letter of Intent (LOI)

जिला खनन कार्यालय, भोजपुर (आरा)

मोबाईल नं0– 9431011832 E-mail ID- bhojpurmining@gmail.com

पत्रांक 4724 /खनन, दिनांक 25/11/2022

प्रेषित,

M/s Shivshankar Kaushik Infrastructure Pvt. Ltd.,
Dir.- Kumar Saurav,
S/o-Manoj Kumar Singh,
Postal Add. -Kshatriya Colony, Ramnagar Andar Dhala, Siwan-841226
Permanent Add- 405, Arjun Enclave, Ramjaipal Road,
Near Dr. B.R. Ambedkar Dental College, Patna-801503
Mob-7070957766, email-sskaushik.infra@gmail.com

विषय भोजपुर जिलान्तर्गत सोन नदी के बालूघाट/बालूखण्ड संख्या–21 की आगामी पाँच वर्षों के लिए बन्दोबस्ती हेतु दिनांक–21.11.2022 को सम्पन्न ई–नीलामी में उच्चतम् डाकवक्ता घोषित होने के फलस्वरूप सैद्धांतिक स्वीकृत्यादेश के संबंध में।

महाशय,

उपर्युक्त विषयक भोजपुर जिलान्तर्गत सोन नदी के **बालूघाट/बालूखण्ड संख्या–21, रकबा–92 हेक्टेयर** की आगामी पाँच वर्षों के लिए बन्दोबस्ती हेतु दिनांक–21.11.2022 को सम्पन्न ई–नीलामी में आपके द्वारा रु. 24,84,00,000/– (चौबिस करोड़ चौरासी लाख रुपये मात्र) की सुरक्षित जमा राशि के विरूद्ध **उच्चतम् डाक की राशि रु. 44,71,20,000/– (चौवालिस करोड़ एकहत्तर लाख बीस हजार रुपये मात्र)** की बोली लगाये जाने के फलस्वरूप आप उच्चतम् डाकवक्ता घोषित हुए हैं। निविदा दस्तावेज की कंडिका–20 (i) के आलोक में आपके द्वारा नीलामी राशि की 25 प्रतिशत राशि (जमा अग्रधन राशि समायोजनोपरान्त) **प्रतिभूति जमा के रुप में राशि रु. 4,96,80,000/– (चार करोड़ छियानवे लाख अस्सी हजार रुपये मात्र)** के भुगतान का साक्ष्य **दिनांक–24.11.2022** को कार्यालय में प्रस्तुत किया गया है।

निविदा दस्तावेज की कंडिका 20(i)(ii)(iii)(iv)(v) के आलोक में जिलान्तर्गत सोन नदी के बालूघाट/बालूखण्ड संख्या–21 का सैद्धांतिक स्वीकृति के शर्त्त एवं बंधेज निम्नवत् हैं :–

1. बालूघाट/बालूखण्ड संख्या–21 से संबंधित विवरणी निम्नवत् है :–

क्र.	नदी का नाम	रकबा (हेक्टेयर में)	Geo Coordinates	
			Latitude	Longitude
1	सोन (Perennial)	92.00	25° 20' 10.555" N	84° 42' 56.257" E
			25° 20' 14.565" N	84° 42' 59.702" E
			25° 20' 21.892" N	84° 43' 6.173" E
			25° 20' 36.966" N	84° 43' 10.194" E
			25° 20' 21.519" N	84° 43' 45.324" E
			25° 20' 5.068" N	84° 43' 33.899" E
			25° 20' 0.405" N	84° 43' 30.661" E
			25° 19' 55.139" N	84° 43' 26.993" E
			25° 20' 7.073" N	84° 43' 3.205" E
2	वन क्षेत्र से दूरी		लागू नहीं।	
3	सुरक्षित क्षेत्र/वन अभ्यारण्य क्षेत्र/पक्षी अभ्यारण्य/वन्य जीव आश्रयण क्षेत्र से दूरी		लागू नहीं।	
4	बालूघाट/बालूखण्ड से 500 मीटर के अन्दर खनन पट्टा क्षेत्र की स्थिति		हाँ (रकबा 306 हे.)।	
5	पुरातात्विक स्थल से दूरी		लागू नहीं।	

Kumar 467.20-21

6	खनन योग्य मात्रा	1656000 घनमीटर
7	अंचल/मौजा/थाना संख्या	संदेश/बागा/433
8	खाता संख्या	421
9	खेसरा संख्या	1893, 1894, 1895, 1896, 1897, 1898

2. **भुगतान की शर्त्तें :–**

(i) नीलामीत–राशि केवल प्रथम वर्ष के लिए बंदोबस्ती की राशि मानी जाएगी। दूसरे वर्ष और उसके अनुक्रमी वर्षों में बंदोबस्ती की राशि गत् वर्ष की बंदोबस्ती राशि के 120 प्रतिशत् अथवा समय–समय पर सरकार द्वारा निर्धारित निदेशों के अनुरूप होगा।

(ii) प्रतिभूति जमा के अतिरिक्त आपको निम्नलिखित समय सारणी/भुगतान अनुसूची के अनुसार बंदोबस्ती की राशि का भुगतान करना होगा :–

किस्त	भुगतान की नियत तारीख
प्रथम किस्त (50%)	(क) पट्टा संविदा निष्पादन से पहले (पहले वर्ष के लिए) (ख) प्रथम वर्ष में पट्टा संविदा निष्पादन की तिथि से एक वर्ष पूरा होने के 60 दिन पूर्व और अनुक्रमिक वर्षों में इसी प्रक्रिया का पालन करते हुए जमा किया जायेगा।
द्वितीय किस्त (25%)	पट्टा संविदा निष्पादन की तिथि से 03 महीना पूरा होने से पहले।
तृतीय किस्त (25%)	पट्टा संविदा निष्पादन की तिथि से 06 महीना पूरा होने से पहले।

3. **GST का भुगतान :–** जी0एस0टी0 के रूप में प्रचलित दर के अनुसार राशि वाणिज्य कर विभाग को भुगतान करना होगा। जिला खनन् कार्यालय, भोजपुर में जी0एस0टी0 भुगतान का प्रमाण प्रत्येक किस्त के साथ देना होगा।

4. **आयकर/अन्य करों का भुगतान :–** आयकर अधिनियम के तहत आयकर एवं उस पर नियमानुसार देय अधिभार का भुगतान आयकर विभाग के प्रचलित दर के अनुसार एक मुश्त करना होगा। यह राशि बंदोबस्ती राशि के प्रत्येक किस्त के साथ देय होगी। जिला खनन् कार्यालय, भोजपुर द्वारा यह राशि आयकर मद में जमा करा दी जायेगी।

5. **जिला खनिज फाउन्डेशन :–** Bihar District Mineral Foundation Rules, 2018 के अनुसार बंदोबस्ती राशि की दो (2) प्रतिशत राशि जिला खनिज फाउण्डेशन, भोजपुर के नाम भुगतेय बैंक ड्राफ्ट के माध्यम से करना होगा।

6. **वैधानिक अनापत्ति :–** बालूघाट संचालन हेतु आवश्यक समस्त वैधानिक अनापत्ति/अनुमति यथा:– खनन योजना, पर्यावरणीय स्वीकृति, जल एवं वायु सहमति आदि निर्धारित अवधि के अन्दर आपके द्वारा प्राप्त करना होगा। वैधानिक अनापत्ति/अनुमति प्राप्त करने के पश्चात् ही बालू खनन प्रारंभ किये जाने हेतु कार्यादेश निर्गत किया जा सकेगा।

– वैधानिक अनापत्ति/अनुमति निम्नानुसार है:–

i. **खनन योजना:–** खनन योजना प्रभावी नियमों में उल्लिखित प्रावधानों के अनुसार सफल डाकवक्ता/बंदोबस्तधारी द्वारा QCI/NABET से मान्यता प्राप्त Professional RQP से तैयार कर निदेशक, खान या विभाग द्वारा प्राधिकृत पदाधिकारी के समक्ष लेटर ऑफ इंटेंट निर्गत होने से 30 दिनों के अन्दर अनुमोदन के लिए प्रस्तुत करेगा। खनन योजना बनाने पर होने वाले व्यय का वहन संबंधित खनिज डाकवक्ता/बंदोबस्तधारी द्वारा किया जायेगा। साथ ही खनन योजना की जाँच हेतु समाहर्त्ता/विभाग अन्य ऐजेंसी चयनित कर सकेगा, जिसका निर्धारित फीस/खर्च भी बंदोबस्तधारी को ही वहन करना होगा। सफल डाकवक्ता/बंदोबस्तधारी खनन योजना के अनुसार खनन करना सुनिश्चित करेंगे।

ii. **पर्यावरणीय स्वीकृति:–** सफल डाकवक्ता/बंदोबस्तधारी खनन योजना अनुमोदन के 15 दिनों के अन्दर पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के सक्षम प्राधिकार के समक्ष पर्यावरणीय स्वीकृति (EC) के लिए प्रस्ताव समर्पित करेगा। समयबद्ध रीति से पर्यावरणीय एवं अन्य

वैधानिक स्वीकृति प्राप्त करना सफल डाकवक्ता की जिम्मेवारी होगी। अपेक्षित पर्यावरणीय स्वीकृति एवं अन्य आवश्यक स्वीकृति प्राप्त करने में किसी भी प्रकार की देरी के लिए सफल डाकवक्ता स्वंय जिम्मेवार होंगे एवं इस संबंध में किसी भी प्रकार की क्षतिपूर्ति के लिए कोई भी दावा मान्य नहीं होगा।

iii. **जल एवं वायु सहमतिः–** पर्यावरणीय स्वीकृति प्राप्त करने के पश्चात सफल डाकवक्ता अधिकतम 07 (सात) दिवस के अंदर जल (प्रदूषण निवारण एवं नियंत्रण) अधिनियम, 1974 तथा वायु (प्रदूषण निवारण एवं नियंत्रण) अधिनियम, 1981 के अधीन सक्षम पदाधिकारी के समक्ष सहमति/ Consent to Establish/ Consent to Operate प्राप्त करने हेतु आवेदन प्रस्तुत करेगा।

iv. **खनन के लिए अनुमत मात्राः–** खनन योजना, पर्यावरणीय स्वीकृति तथा जल (प्रदूषण निवारण एवं नियंत्रण) अधिनियम, 1974 तथा वायु (प्रदूषण निवारण एवं नियंत्रण) अधिनियम, 1981 के तहत प्राप्त सहमति मे वर्णित बालू की मात्रा (इनमें से जो भी कम हो) तक ही खनन अनुमान्य होगा। अनुमोदित खनन योजना, पर्यावरणीय स्वीकृति तथा जल एवं वायु सहमति में खनन योग्य मात्रा कम किये जाने पर भी वार्षिक देय बंदोबस्ती राशि किसी स्थिति में कम नहीं की जाएगी।

v. बिना किसी वैध कारण के पर्यावरणीय स्वीकृति, Consent to Establish/ Consent to Operate /जल एवं वायु सहमति प्राप्त नहीं कर पाते है या प्राप्त करने में रूचि नहीं लेते है तो, समाहर्त्ता द्वारा अग्रधन की राशि को जप्त कर लिया जायेगा।

7. <u>बंदोबस्ती विलेख/पटटा संविदा (डीड) निष्पादन करना :–</u>

i. सफल डाकवक्ता द्वारा सभी वैधानिक अनापत्ति प्राप्त करने के उपरान्त 5 वर्षों की अवधि के लिए बालू खनन करने हेतु समानुदान/बन्दोबस्ती स्वीकृत किया जाएगा। सफल डाकवक्ता विहित प्रपत्र में संबंधित नियमानुसार बंदोबस्ती विलेख अथवा उसके समरूप एक प्रपत्र, कार्य आरंभ करने के पहले, निष्पादित करेगा तथा विहित अपेक्षित राशि संबंधित विभाग में जमा कर देगा। बंदोबस्तधारी के पट्टे की अवधि विलेख/संविदा निष्पादन की तिथि से पाँच वर्षों के लिए विधिमान्य होगा।

ii. बंदोबस्तधारी को निष्पादित **संविदा का निबंधन संबंधित विभाग के प्रचलित नियमों के अधीन 01 माह के अन्दर** कराना अनिवार्य होगा।

8. सफल डाकवक्ता/बन्दोबस्तधारी द्वारा बन्दोबस्ती प्रत्यर्पण/कारोबार छोड़ने का विकल्प बिहार खनिज (समनुदान, अवैध खनन, परिवहन एवं भण्डारण निवारण) नियमावली, 2019 के नियम–50 के अनुरूप किया जा सकेगा।

9. <u>सामान्य शर्त्तें :–</u>

(i) निविदादाता/सफल डाकवक्ता/बंदोबस्तधारी द्वारा ई–मेल के माध्यम से किया गया पत्राचार ही मान्य होगा।

(ii) बन्दोबस्ती लेने के बाद सभी बालूघाटों के लिये बालू के उत्तोलन कार्य में संलग्न सभी सहयोगी व्यक्तियों/प्रबंधकों की सूची, पूर्ण पता एवं फोटो के साथ एक माह के अन्दर समाहर्त्ता को उपलब्ध कराना एवं पोर्टल पर अपलोड करना होगा। यदि इसमें कोई बदलाव होता है तो उसकी भी सूची अविलम्ब पोर्टल पर अपलोड/उपलब्ध करायेंगें।

(iii) बंदोबस्तधारी नदी तट से बालू प्रेषण के बिन्दु पर एक साईनबोर्ड एवं सीमा स्तंभ का अधिष्ठापन करायेगा जिसपर बंदोबस्तधारी का नाम एवं पता, बंदोबस्ती की अवधि, स्थानीय मैनेजर का नाम एवं पता तथा बालू का विक्रय मूल्य प्रदर्शित किया जाएगा। यदि साईन बोर्ड निरीक्षण में नहीं पाया गया तो शास्ति अधिरोपित की जाएगी।

(iv) बंदोबस्तधारी श्रम विधियों के प्रावधानों के अनुसार आश्रय गृह, पीने का पानी, शिशु गृह (क्रेचेज) तथा फर्स्ट एड किट की व्यवस्था संबंधित बालूघाटों में लगे श्रमिकों के लिए करेगा।

(v) बंदोबस्तधारी संबंधित क्षेत्रों का निरीक्षण करेगा तथा स्वयं अथवा अपने द्वारा अधिकृत प्रतिनिधियों के माध्यम से बालूघाटों का प्रचालन करेगा। किसी रूप में किये गये उपपट्टा (सबलेटिंग) के लिए

बंदोबस्ती रद्द कर दी जाएगी। बालूघाटों/नदी तल तक बालू के परिवहन के प्रयोजनार्थ पहुँच–पथ (अप्रोच रोड) का निर्माण सफल डाकवक्ता/बंदोबस्तधारी द्वारा स्वयं अपने खर्च से किया जाएगा।

(vi) बालूघाट की सुरक्षा की जिम्मेदारी सफल डाकवक्ता/बंदोस्तधारी की होगी।

(vii) सफल डाकवक्ता/बंदोबस्तधारी बंदोबस्त क्षेत्र के भीतर किसी अवैध खनन के लिए जिम्मेवार होगें और पाई गई किसी शिकायत पर गंभीरता से विचार किया जाएगा तथा सफल डाकवक्ता/बंदोबस्तधारी के विरूद्ध नियमानुसार कार्रवाई की जाएगा।

(viii) सफल डाकवक्ता/बंदोबरतधारी सगाहर्त्ता द्वारा बालूघाटों के संचालन के संबंध में लोकहित में जारी निबंधनों और शर्त्तों तथा निदेशों का पालन करेगा।

(ix) यथोक्त शर्त्तों, बंधेजों एवं निबंधनों का पालन नहीं करने पर कारण पृच्छा निर्गत कर बंदोवस्ती रद्द करने की कार्रवाई की जा सकेगी ।

(x) सफल डाकवक्ता/बंदोबस्तधारी को खनन राजस्व/जी0एस0टी0/आयकर/स्टाम्प शुल्क/रजिस्ट्रेशन फीस का भुगतान नही करने की दशा में 30 दिनों के अंदर कारण स्पष्ट करने हेतु नोटिस दी जायेगी। निर्धारित अवधि के अंदर सफल डाकवक्ता/बंदोबस्तधारी द्वारा बकाया का भुगतान करने में असफल रहने की दशा में राशि वसूली की कार्रवाई के साथ–साथ बंदोबस्ती रद्द करने की भी कार्रवाई की जाएगी।

(xi) नीलामी हेतु प्रस्तावित बालूघाटों से संबंधित तकनीकी तथा अन्य बिन्दुओं यथा भूमि के अंचल, थाना, मौजा, खाता, खेसरा, रकबा तथा GPS Co-ordinate के संबंध में विवाद/त्रुटि पाए जाने पर संशोधन का अधिकार जिला खनन कार्यालय, भोजपुर का होगा। बालूघाटों का सीमांकन एवं नियमानुसार निर्धारित आयाम/विशिष्टियों का सीमा स्तंभ का अधिष्ठापन GPS Co-ordinate के अनुसार बालू बंदोबस्तधारी को कराना होगा तथा खनन के क्रम में संधारित कराना सफल डाकवक्ता/बंदोबस्तधारी की जवाबदेही होगी, जिसे RQP/अंचलाधिकारी की उपस्थिति में प्रमाणित कर बालूघाटों के निर्धारित क्षेत्र का Reduced Level (RL)/Pre-Level (PL) एवं Satellite images खनन कार्य प्रारंभ करने के पहले जिला खनन कार्यालय, भोजपुर में समर्पित करना होगा।

(xii) बालघाट से लिकं रोड और बालूघाट के बीच कोई प्राकृतिक जल मार्ग सिचांई नहर पड़ती हो तो सफल डाकवक्ता/बन्दोबस्तधारी जल ससांधन विभाग की पूर्व अनुमति से अस्थायी संरचनाएँ खड़ा कर सकेगा। पूर्व अनुमति के लिए ऐसे आवदेन जल संसाधन विभाग के सबंधित मुख्य अभियंता के समक्ष दिए जाएगें।

(xiii) बालूघाट में रैयती/बंदोबस्त जमीन होने पर संबंधित रैयत से सहमति प्राप्त कर बालू का खनन करना होगा। यह जिम्मेदारी पूर्णतः बंदोबस्तधारी की होगी एवं विभाग से कोई क्षतिपूर्ति का दावा मान्य नहीं होगा।

(xiv) बंदोबस्तधारी द्वारा बंदोबस्ती अवधि के दौरान किसी भी कारण से खनन कार्य नहीं करने की स्थिति में किसी भी प्रकार का मुआवजा/नुकसान एवं क्षतिपूर्ति का दावा मान्य नहीं होगा।

(xv) ई–नीलामी एवं बालूघाट की बंदोबस्ती अवधि के दौरान उत्पन्न किसी भी प्रकार का विवाद बिहार खनिज (समानुदान, अवैध खनन, परिवहन एवं भंडारण निवारण) नियमावली 2019, (यथा संशोधित) के अधीन होगा।

(xvi) सफल डाकवक्ता/बन्दोबस्तधारी को इलेक्ट्रॉनिक माध्यम से भेजी गयी कोई भी सूचना/निदेश/आदेश इत्यादि IT-Act के तहत स्वीकार्य साक्ष्य के रूप में माना जायेगा।

25/11/2021

खनिज विकास पदाधिकारी,
भोजपुर, आरा।

Annexure –II

(Mine Plan Approval Letter)

बिहार सरकार,
खान एवं भूतत्व विभाग।

पत्रांक– 6110 –/एम0, पटना, दिनांक– 13/12/2022

प्रेषक,

कमलेश कुमार सिंह,
संयुक्त सचिव

सेवा में,

Email

M/s Shivshankar Kaushik Infrastructure Pvt. Ltd.,
Dir.- Kumar Saurav,
S/o-Manoj Kumar Singh,
Postal Add. -Kshatriya Colony, Ramnagar Andar Dhala, Siwan-841226
Permanent Add- 405, Arjun Enclave, Ramjaipal Road,
Near Dr. B.R. Ambedkar Dental College, Patna-801503
Mob-7070957766, email-sskaushik.infra@gmail.com

विषयः– **भोजपुर जिला के सोन नदी बालूघाट सं0– 21 के खनन योजना के अनुमोदन के संबंध में।**

महाशय,

उपर्युक्त विषय के संबंध में कहना है कि बिहार बालू खनन नीति–2019 यथा संशोधित एवं बिहार खनिज (समानुदान अवैध खनन, परिवहन एवं भंडारण निवारण) नियमावली, 2019 (यथा संशोधित 2021) के नियम–17 में वर्णित प्रावधानों के तहत् **भोजपुर जिला के सोन नदी बालूघाट सं0– 21** से संबंधित समर्पित खनन योजना के अनुमोदन पर प्राधिकृत समिति द्वारा समीक्षा की गई। समीक्षोपरांत निम्न शर्त्तों एवं बंधेजों के तहत् खनन योजना अनुमोदित की जाती है –

1. उक्त खनन योजना केन्द्र सरकार/राज्य सरकार द्वारा विनियमित अन्य सभी अधिनियम/ नियमावली में वर्णित प्रावधानों को तथा किसी न्यायालय/अन्य न्यायिक संस्था द्वारा पारित किये गये न्यायादेश को बिना प्रभावित किये अनुमोदित किया जा सकता है।
2. उक्त खनन योजना का अनुमोदन खान एवं खनिज (विकास एवं विनियमन) अधिनियम, 1957 (यथा संशोधित), बिहार खनिज (समानुदान अवैध खनन, परिवहन एवं भंडारण निवारण) नियमावली, 2019 के नियम–17, वन संरक्षण अधिनियम, 1980, पर्यावरण सुरक्षा अधिनियम, 1986, श्रम संबंधी नियम, EMGSM 2020 तथा अन्य सभी सुसंगत अधिनियम/ नियमावली तथा उनमें वर्णित प्रावधानों के प्रतिकूल नही होगा। लीज के रकवा के अनुसार प्रति हेक्टेयर कम से कम 10 पौधा लगाना होगा तथा 50 प्रतिशत Survival सुनिश्चित करना होगा।
3. खनन योजना में निहित शर्त्तों का पालन करते हुए ही बालू खनिज का खनन् तथा प्रेषण किया जायेगा।
4. संबंधित सक्षम प्राधिकार से यथा वांछित प्रमाण–पत्र प्राप्त कर विभाग को अवगत कराना अनिवार्य होगा।
5. यदि किसी भी समय खनन योजना में वर्णित शर्त्तों के अनुपालन में अनियमितता पायी जाती है, तो खनन पदाधिकारी को नियमानुसार आवश्यक कार्रवाई करने का अधिकार होगा।
6. संबंधित बालूघाट में खनिज की उपलब्धता, पहुँच पथ का निर्माण तथा अन्य खनन् कार्यों से संबंधित सम्पूर्ण जबाबदेही बालूघाट संचालनकर्त्ता की होगी तथा इसमें किसी भी तरह का कोई दावा अथवा क्षतिपूर्ति मान्य नहीं होगा।
7. खनन योजना मे वर्णित सभी तकनीकि तथा अन्य बिन्दुओं से संबंधित आँकड़ों की सत्यता / वैधता की जिम्मेवारी RQP/बंदोबस्तधारी की होगी तथा भविष्य में उपर्युक्त के संबंध में किसी प्रकार की भिन्नता/अनियमितता की पूरी जबाबदेही RQP/बंदोबस्तधारी की होगी।

P.T.O.

8. खनन् कार्य के दौरान घाट संचालनकर्त्ता द्वारा पर्यावरण संबंधी मानकों का नियमित रूप से अनुश्रवण करने की व्यवस्था करनी होगी।खनन् कार्य के दौरान नदियों के प्राकृतिक बहाव आदि में किसी भी तरह का व्यवधान/रूकावट/बदलाव करना पूर्ण रूप से प्रतिबंधित होगा।

9. बालूघाट में Secondary Loading की व्यवस्था इस प्रकार सुनिश्चित की जाएगी ताकि गीला बालू का परिवहन नहीं हों।

10. यद्यपि खनन योजना में Semi-mechanised mining को प्राथमिकता दी गयी है तथापि Manual Mining पर कोई प्रतिबंध नहीं रखा जाएगा एवं स्थानीय व्यक्तियों को नियोजन देने के दृष्टिकोण से Manual Mining को उचित अवसर प्रदान करना होगा।

11. सफल डाकवक्ता/बंदोबस्तधारी द्वारा खान एवं खनिज (विकास एवं विनियमन) अधिनियम, 1957, बिहार खनिज (समानुदान अवैध खनन, परिवहन एवं भंडारण निवारण) नियमावली, 2019 (यथा संशोधित 2021) तथा बिहार बालू खनन नीति, 2019 के प्रावधानों का अनिवार्य रूप से पालन किया जायेगा।

12. सफल डाकवक्ता/बंदोबस्तधारी को पर्यावरण सुरक्षा हेतु सभी उपाय करने होगें तथा नियमित रूप से जल/वायु की गुणवत्ता की जाँच/अनुश्रवण की व्यवस्था सुनिश्चित करनी होगी।

13. सफल डाकवक्ता/बंदोबस्तधारी को उत्पादन/प्रेषण का आँकड़ा एवं पंजी संधारित करना अनिवार्य होगा जिसे नियमित रूप से अद्यतन किया जाएगा।

14. संचालन करने वाले घाटों की सीमांकन कराना, RL/PL प्राप्त करना एवं उसे खनन के क्रम में संधारित कराना सफल डाकवक्ता/बंदोबस्तधारी की जवाबदेही होगी, जिसे RQP/अंचलाधिकारी की उपस्थिति में प्रमाणित करवाकर खनन कार्य करना होगा।

15. बिहार खनिज (समानुदान अवैध खनन, परिवहन एवं भंडारण निवारण) नियमावली, 2019 (यथा संशोधित 2021) में वर्णित प्रतिबंधित क्षेत्रों में किसी प्रकार का खनन् कार्य वर्जित होगा।

16. बालूघाटों से बालू का निष्कासन एवं प्रेषण आबादी से सटे ग्रामीण सड़क को छोड़कर अलग मार्ग से करना होगा।

17. खनन योजना की एक–एक प्रति, जो संबंधित RQP द्वारा प्रत्येक पृष्ठ पर हस्ताक्षरित होगी, निदेशक, खान एवं भूतत्व विभाग के कार्यालय के अतिरिक्त समाहर्त्ता, भोजपुर के गोपनीय कोषांग, उपनिदेशक, पटना अंचल, पटना के कार्यालय में उपलब्ध कराना सुनिश्चित किया जायेगा, ताकि किसी भी समय इसकी जाँच की जा सके।

प्राधिकृत समिति की अनुशंसा के आलोक में उपरोक्त शर्त्तों के साथ **भोजपुर सोन नदी बालूघाट सं0– 21** से संबंधित समर्पित खनन योजना के अन्तर्गत ही बालू उत्खनन् कार्य सुनिश्चित कराया जायेगा।

विश्वासभाजन

13/11/22

(कमलेश कुमार सिंह)
संयुक्त सचिव

Annexure –III

(Public Hearing Proceedings)

लोक सुनवाई का वृत।

मेसर्स शिवशंकर कौशिक इंफ्रास्ट्रक्चर प्रा. लिमिटेड, निदेशक–श्री कुमार सौरव, पिता– श्री मनोज कुमार सिंह, क्षत्रिय कॉलोनी, रामनगर अंदर ढाला, सीवान द्वारा भोजपुर सोन –21 बालू घाट, मौजा– बागा, ब्लॉक– संदेश, जिला–भोजपुर के अन्तर्गत परियोजना से संबंधित पर्यावरणीय स्वीकृति के वास्ते पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के अधिसूचना सं0–एस.ओ.1533, दिनांक 14 सितम्बर, 2006 के तहत् दिनांक 30.08.2024 को अपराह्न 12:30 बजे भोजपुर जिला के अंचल कार्यालय, संदेश, जिला–भोजपुर में लोक सुनवाई की गयी।

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार अधिसूचना सं0–एस.ओ. 1533, दिनांक 14 सिम्बर 2006 एवं यथा संशोधित के तहत् राज्य स्तरीय पर्यावरणीय समाघात निर्धारण प्राधिकरण, बिहार के द्वारा निर्गत TOR File.No.SIA/1(a)/2556/2024, dated 08.07.2024 के आलोक में श्री सत्य प्रकाश, जिला भू–अर्जन पदाधिकारी, भोजपुर, आरा (जिला पदाधिकारी, भोजपुर के प्रतिनिधि) की अध्यक्षता में बिहार राज्य प्रदूषण नियंत्रण पर्षद, द्वारा दिनांक 30.08.2024 को अपराह्न 12:30 बजे अंचल कार्यालय, संदेश, जिला–भोजपुर में लोक–सुनवाई आयोजित की गयी। उपस्थिति पंजी सलग्न (अनुलग्नक–1)

इस लोक–सुनवाई की सूचना बिहार राज्य प्रदूषण नियंत्रण पर्षद् द्वारा दैनिक समाचार पत्रों यथा हिन्दुस्तान एवं दैनिक भास्कर के माध्यम से दिनांक 26.07.2024 को प्रकाशित की गयी थी (प्रतिलिपि संलग्न)। लोक–सुनवाई के दौरान श्री आशीष कुमार गुप्ता, क्षेत्रीय पदाधिकारी, बिहार राज्य प्रदूषण नियंत्रण पर्षद्, पटना द्वारा लोक–सुनवाई में उपस्थित जन–समुदाय एवं सभी संबंधित पदाधिकारियों का स्वागत करते हुए पर्यावरण, वन एवं जलवायु परिवर्त्तन मंत्रालय, भारत सरकार द्वारा अधिसूचित पर्यावरण प्रभाव मूल्यांकन अधिसूचना सं0–एस.ओ.1533, दिनांक 14 सितम्बर 2006 एवं यथा संशोधित के तहत् इकाई के पर्यावरणीय स्वीकृति हेतु लोक–सुनवाई की पृष्ठ–भूमि पर प्रकाश डाला गया। लोक हित में कार्य योजना से संबंधित सुनवाई के उद्देश्य से उपस्थित लोगों को अवगत कराया गया। साथ ही स्थानीय लोगों से पर्यावरण संरक्षण एवं लोक हित के संबंध में सुझाव/विचार/मंतव्य माँगा गया।

लोक सुनवाई कार्यक्रम के अध्यक्ष के अनुमति से परियोजना के पर्यावरणीय सलाहकार श्री प्रवीण कुमार राय ने इकाई की खनन कार्य परियोजना, प्रदूषण नियंत्रण व्यवस्था एवं कॉरपोरेट पर्यावरण जिम्मेदारी (Corporate Environmental Responsibility) आदि के संबंध में आमजनों को विस्तृत रूप से अवगत कराया। इनके द्वारा सूचित किया गया कि खनन कार्य के उपरान्त परिवहन के दौरान उत्सर्जित होने वाले धूल–कण की रोक–थाम हेतु सड़कों पर नियमति रूप से जल छिड़काव किया जायेगा । वाहनों पर ओवरलोडिंग नही की जायेगी। वाहनों को तिरपाल से ढक कर ले जाया जायेगा। खनन कार्य सतह से 3 मीटर की गहराई तक या भू–जल स्तर से ऊपर तक किया जायेगा। ध्वनि प्रदूषण को नियंत्रित करने हेतु ध्वनि यंत्र (हार्न) का न्यूनतम उपयोग किया जायेगा। पुराने एवं खराब वाहनों का इस्तेमाल नहीं किया जायेगा। सड़क के किनारे एवं खनन पट्टा क्षेत्र में वृक्षारोपण (920 नं0) का कार्य किया जायेगा। बालू खनन के दौरान

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के Sustainable Sand Mining Management Guidelines 2016 (SSMG-2016) एवं Enforcement & Monitoring Guidelines for Sand Mining-2020 (EMGSM-2020) के प्रावधानों का अनुपालन किया जायेगा।

परियोजना प्रस्तुतिकरण के पश्चात् उपस्थित महानुभावों द्वारा दिए गए सुझाव/मंतव्य निम्नवत: है:--

क्रमांक	नाम एवं पता	प्रतिक्रिया/सुझाव
1.	श्री छोटन, ग्राम--बागा, जिला–भोजपुर	इनके द्वारा बताया गया कि बालू खनन परियोजना के कुल लागत का 2% राशि जिला पदाधिकारी के यहाँ संचित होता है। संचित राशि से विकास का कार्य नहीं किया जाता है। पर्यावरणीय सलाहकार द्वारा बताया गया कि खनन प्रभावित क्षेत्र के लिए जिला खनिज फाउंडेशन में संचित राशि से बालू खनन से प्रभावित क्षेत्र में शिक्षा, स्वास्थ्य, पेय–जल इत्यादि पर खर्च करने का प्रावधान है। खनन परियोजना के कुल लागत का 2% राशि इसमें संचित होता है। मिशन कायाकल्प के तहत् खनन प्रभावित क्षेत्र का विकास किया जाता है। इस क्षेत्र के प्रभावित आम जनता भी अपना मांग रख सकती है, इस राशि से उसको पूरा करने का अनुशंसा किया जायेगा। आपलोग भी विकास कार्य हेतु प्रस्ताव बनाकर दे सकते हैं।
2.	श्री सत्येन्द्र कुमार सिंह, ग्राम–बागा, जिला–भोजपुर	इनके द्वारा बताया गया कि बालू खनन परियोजना दौरान स्थानीय लोगों को रोजगार मिलेगा या नहीं। इनके द्वारा यह भी पूछा गया कि इस परियोजना के तहत् कितने पेड़ लगाये जायेंगे। पर्यावरणीय सलाहकार बताया गया कि में प्राथमिकता के आधार पर स्थानीय लोग को रोजगार प्रदान किया जायेगा। जिनकी जो योग्यता होगी, उनको वैसा रोजगार प्रदान किया जायेगा। इनके द्वारा बताया गया कि इस परियोजना के तहत् 920 पेड़ लगाये जायेंगे।
3.	श्री मिथिलेश कुमार, संदेश, उप प्रमुख (बागा), जिला–भोजपुर	इनके द्वारा बताया गया कि बालू खनन परियोजना के कुल लागत का 2% राशि जिला पदाधिकारी के यहाँ संचित होता है। संचित राशि से विकास का कार्य नहीं किया जाता है।

		पर्यावरणीय सलाहक द्वारा बताया गया कि खनन प्रभावित क्षेत्र के लिए जिला खनिज फाउंडेशन में संचित राशि से इस क्षेत्र में शिक्षा, स्वास्थ्य, पेय–जल इत्यादि पर खर्च करने का प्रावधान है। खनन परियोजना के कुल लागत का 2% राशि इसमें संचित होता है। मिशन कायाकल्प के तहत् खनन प्रभावित क्षेत्र का विकास किया जाता है। इस क्षेत्र के प्रभावित आम जनता भी अपना मांग रख सकती है, इस राशि से उसको पूरा करने का अनुशंसा किया जायेगा।

अध्यक्ष द्वारा बताया गया कि बालू का उपयोग निर्माण कार्य में किया जाता है एवं राज्य का विकास होता है। विकास के साथ पर्यावरण पर भी ध्यान देना आवश्यक है।

अध्यक्ष द्वारा बताया गया कि वाहनों से बालू ले जाने के क्रम में नियमित रूप से परिवहन मार्ग पर जल छिडकाव करेगें एवं बालू से लदे वाहनों को तिरपाल से ढक कर ही ले जायेगे। बालू की खुदाई 3 मीटर ही करेगें। उन्होने उम्मीद जताया कि इकाई प्रबंधन द्वारा इन उपरोक्त बिन्दुओं पर गम्भीरता से ध्यान रखा जायेगा। साथ ही वैज्ञानिक तरीके से बालू खनन का कार्य एवं विभागीय निर्देश का अनुपालन किया जायेगा।

पौधों का रख–रखाव स्थानीय ग्रामीण के द्वारा ही सुनिश्चित कराया जाय।

खनन प्रभावित क्षेत्र के लिए जिला खनिज फाउंडेशन में संचित राशि से इस क्षेत्र में शिक्षा, स्वास्थ्य, पेय--जल इत्यादि पर खर्च करने का प्रावधान है। खनन परियोजना के कुल लागत का 2% राशि इसमें संचित होता है। मिशन कायाकल्प के तहत् खनन प्रभावित क्षेत्र का विकास किया जाता है। इस क्षेत्र के प्रभावित आम जनता भी अपना मांग रख सकती है, इस राशि से उसको पूरा करने का अनुशंसा किया जायेगा।

उनके द्वारा बताया गया कि अगर काम प्रारंभ होगा तो सरकार को राजस्व की प्राप्ति होगी। स्थानीय लोगों को रोजगार प्राप्त होगा। गाँव की अर्थ–व्यवस्था में एवं प्रभावित क्षेत्र का विकास में तेजी आयेगी।

जन–सुनवाई के अंत में उपस्थित जनता के सुझाव को संग्रहित करते हुए सक्षम प्राधिकार को अग्रसारित करने का निर्णय लिया गया। तत्पश्चात् लोक सुनवाई सधन्यवाद समाप्त करने की घोषणा की गयी।

4-7-14
क्षेत्रीय पदाधिकारी
बि.रा.प्र.नि.पर्षद्,पटना

जिला भू–अर्जन पदाधिकारी
भोजपुर, आरा

बिहार सरकार

बिहार राज्य प्रदूषण नियंत्रण पर्षद्

परिवेश भवन, पाटलिपुत्र औद्योगिक क्षेत्र, पटना–800 010
दूरभाष नं0–0612-2261250/2262265, फैक्स–0612-2261050
ई–मेल–msbspcb-bih@gov.in, वेबसाईट–http://bspcb.bihar.gov.in

लोक–सुनवाई की सूचना

मेसर्स शिवशंकर कौशिक इंफ्रास्ट्रक्चर प्रा. लिमिटेड, निदेशक–श्री कुमार सौरव, पिता– श्री मनोज कुमार सिंह, क्षत्रिय कॉलोनी, रामनगर अंदर ढाला, सीधान द्वारा भोजपुर सोन –21 बालू घाट, मौजा– बागा, ब्लॉक– संदेश, जिला–भोजपुर में बालू खनन परियोजना से संबंधित प्रस्ताव प्राप्त है। इस परियोजना के कार्यान्वयन के पूर्व पर्यावरणीय स्वीकृति हेतु पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के ई.आई.ए. अधिसूचना संख्या एस.ओ. 1533, दिनांक 14.09.2006 यथा संशोधित, के आलोक में परियोजना को TOR (Terms of Reference) निर्गत किया गया है तथा लोक–सुनवाई की जानी है।

परियोजना का पर्यावरण प्रभाव मूल्यांकन प्रतिवेदन तैयार किया गया है जिसमें सम्भावित कुप्रभावों को निरस्त करने के उपाय प्रस्तावित हैं। उक्त प्रतिवेदन तथा परियोजना के कार्यपालक सार की प्रति पर्षद् मुख्यालय, पटना, जिला पदाधिकारी, जिला– भोजपुर, कार्यपालक पदाधिकारी, जिला परिषद्, जिला–भोजपुर, जिला उद्योग केन्द्र, जिला–भोजपुर एवं जिला खनन कार्यालय, भोजपुर के कार्यालय में प्रभावित क्षेत्र के लोगों के अवलोकनार्थ उपलब्ध है। परियोजना की विवरणी का अवलोकन पर्षद् के वेबसाईट: http://bspcb.bihar.gov.in पर भी किया जा सकता है। वैसे व्यक्ति जो इस परियोजना से प्रभावित होने वाले हों, अपना लिखित सुझाव/विचार एवं मंतव्य इस सूचना प्रकाशन के 30 दिनों के अन्दर पर्षद् कार्यालय में जमा कर सकते हैं। साथ ही पर्षद् के ई.मेल –msbspcb-bih@gov.in अथवा डाक के माध्यम से भी लिखित सुझाव/विचार एवं मंतव्य भेजी जा सकती है।

परियोजना प्रभाव क्षेत्र के नागरिकों के लिए लोक–सुनवाई निम्नानुसार आहूत किया गया है–

दिनांक	समय	अंचल का नाम	बालू घाट का मौजा	बालू घाट का नाम	लोक–सुनवाई का स्थल
30.08.2024	अपराह्न 12:30 बजे	संदेश	बागा	भोजपुर सोन –21 बालू घाट	अंचल कार्यालय, संदेश, जिला–भोजपुर

सभी आम लोगों/संबंधितों से अनुरोध है कि उपरोक्त लोक–सुनवाई के दौरान सरकार द्वारा निर्गत कोविड–19 गाईड लाईन का पालन करते हुए परियोजना के संबंध में अपने मंतव्य/सुझाव/विचार से अवगत करायेंगे।

उक्त सूचना www.state.bihar.gov.in/prdbihar पर भी देखी जा सकती है।

PR. No. 004745 (B & C) 2024-25

सदस्य–सचिव

नशे की मार, बर्बाद करे सुखी परिवार

बिहार सरकार

बिहार राज्य प्रदूषण नियंत्रण पर्षद्

परिवेश भवन, पाटलिपुत्र औद्योगिक क्षेत्र, पटना–800 010
दूरभाष नं0–0612-2261250/2262265, फैक्स–0612-2261050
ई–मेल–msbspcb-bih@gov.in, वेबसाईट–http://bspcb.bihar.gov.in

लोक–सुनवाई की सूचना

मेसर्स शिवशंकर कौशिक इंफ्रास्ट्रक्चर प्रा. लिमिटेड, निदेशक–श्री कुमार सौरव, पिता– श्री मनोज कुमार सिंह, क्षत्रिय कॉलोनी, रामनगर अंदर ढाला, सीधान द्वारा भोजपुर सोन, –21 बालू घाट, मौजा– बागा, ब्लॉक– संदेश, जिला–भोजपुर में बालू खनन परियोजना से संबंधित प्रस्ताव प्राप्त है। इस परियोजना के कार्यान्वयन के पूर्व पर्यावरणीय स्वीकृति हेतु पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार के ई.आई.ए. अधिसूचना संख्या एस.ओ. 1533, दिनांक 14.09.2006 यथा संशोधित, के आलोक में परियोजना को TOR (Terms of Reference) निर्गत किया गया है तथा लोक–सुनवाई की जानी है।

परियोजना का पर्यावरण प्रभाव मूल्यांकन प्रतिवेदन तैयार किया गया है जिसमें सम्भावित कुप्रभावों को निरस्त करने के उपाय प्रस्तावित हैं। उक्त प्रतिवेदन तथा परियोजना के कार्यपालक सार की प्रति पर्षद् मुख्यालय, पटना, जिला पदाधिकारी, जिला– भोजपुर, कार्यपालक पदाधिकारी, जिला परिषद्, जिला–भोजपुर, जिला उद्योग केन्द्र, जिला–भोजपुर एवं जिला खनन कार्यालय, भोजपुर के कार्यालय में प्रभावित क्षेत्र के लोगों के अवलोकनार्थ उपलब्ध है। परियोजना की विवरणी का अवलोकन पर्षद् के वेबसाईट: http://bspcb.bihar.gov.in पर भी किया जा सकता है। वैसे व्यक्ति जो इस परियोजना से प्रभावित होने वाले हों, अपना लिखित सुझाव/विचार एवं मंतव्य इस सूचना प्रकाशन के 30 दिनों के अन्दर पर्षद् कार्यालय में जमा कर सकते हैं। साथ ही पर्षद् के ई.मेल –msbspcb-bih@gov.in अथवा डाक के माध्यम से भी लिखित सुझाव/विचार एवं मंतव्य भेजी जा सकती है।

परियोजना प्रभाव क्षेत्र के नागरिकों के लिए लोक–सुनवाई निम्नानुसार आहूत किया गया है–

दिनांक	समय	अंचल का नाम	बालू घाट का मौजा	बालू घाट का नाम	लोक–सुनवाई का स्थल
30.08.2024	अपराह्न 12:30 बजे	संदेश	बागा	भोजपुर सोन –21 बालू घाट	अंचल कार्यालय, संदेश, जिला–भोजपुर

सभी आम लोगों/संबंधितों से अनुरोध है कि उपरोक्त लोक–सुनवाई के दौरान सरकार द्वारा निर्गत कोविड–19 गाईड लाईन का पालन करते हुए परियोजना के संबंध में अपने मंतव्य/सुझाव/विचार से अवगत करायेंगे।

उक्त सूचना www.state.bihar.gov.in/prdbihar पर भी देखी जा सकती है।

PR. No. 004745 (B & C) 2024-25

सदस्य–सचिव

नशे की मार, बर्बाद करे सुखी परिवार

उपस्थिति सूचि

मेसर्स शिवशंकर कौशिक इंफ्रास्ट्रक्चर प्रा. लिमिटेड, निदेशक–श्री कुमार सौरव द्वारा भोजपुर सोन –21 बालू घाट, मौजा– बागा, ब्लॉक– संदेश, जिला–भोजपुर से संबंधित पर्यावरणीय स्वीकृति हेतु लोक–सुनवाई के दौरान उपस्थित व्यक्तियों की सूची:

स्थान– अंचल कार्यालय,संदेश, जिला–भोजपुर दिनांक 30.08.2024 समय–12:30 P.M.

क्र.सं.	नाम	पता	हस्ताक्षर
1.	सतेन्द्र प्रकाश	संदेश,भोजपुर	30/8/24
2.	आशीष कुमार गुप्ता	[illegible]	30-8-24
3.	[illegible]	[illegible]	30/08/2024
4.	[illegible]	Rian Enviro Pvt Ltd. Patna	30-8-24
5.	[illegible]	[illegible]	30/08/24
6.	Vikash Mishra.	Rian Enviro Pvt Ltd	30/8/24
7.	[illegible]	Attached	30/8/24
8.	[illegible]	[illegible]	30/8/24
9	Md. Naushad Alam	UHS. Ayyanabad	Md. Nausher Alam
10	[illegible]	[illegible]	[illegible]
11	[illegible]	[illegible]	[illegible]
12	[illegible]	[illegible]	[illegible]
13	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]
15	[illegible]	[illegible]	30.8.2024
16	[illegible]	[illegible]	30.8.2024

17	मोहम्मद नवाब	अजिमाबाद	30-8-24
18	[illegible]	[illegible]	30.8.24
19	[illegible]	[illegible]	30-8-24
20	Shahal Razi	Baga	30-8-24
21	Ibrahim Rizvi	Baga	30/8/24
22	[illegible]	[illegible]	30/08/2024
23	Pankaj Singh	Bagha	30/8/24
24	Birendra Kumar	Bagha	30/8/24
25	Vinay K Singh	Jalpura	Vinay K Singh
26	[illegible]	[illegible]	[illegible]
27	विरेन्द्र कुमार	रामपुर	विरेन्द्र कुमार
28	मनोज कुमार	[illegible]	मनोज कुमार
29	Naeem Anjum	Azimabad	Naeem Anjum
30	NASIR KAMAL	Azimabad	[illegible]
31	[illegible]	[illegible]	[illegible]
32	Anil kumar	Bagha	Anil Kumar
33	Jaiprakash	Nonaur	Jaiprakash
34	Mirza Jamaluddin	Kiskiri	30.08.24
35	[illegible]	Bagha	[illegible]
36	[illegible]	[illegible]	[illegible]
37	[illegible]	[illegible]	[illegible]

38	Shubham Kumar	BAGA	Shubham Kumar
39	शुभम सिंह	बागा	शुभम सिंह
40	संजय कुमार	बागा	संजय
41	आशिष कुमार	बघेल	
42	Ekta Singh	Baghel	
43	Gopal Singh	बागा	Gopal Singh
44	Brijeshjadav	Baghel	
45	Vinod Singh	Bikaneer	
46	Sanjay Singh	Bagla	
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Annexure –IV

Terms of Reference (ToR)

File No: SIA/1(a)/2556/2024
Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment Authority(SEIAA), BIHAR)
****

Dated **09/07/2024**

To,

KUMAR SAURABH
SHIVSHANKAR KAUSHIK INFRASTRUCTURE PRIVATE LIMITED
Kshatriya Colony, Ramnagar, Andhar Dhala, Siwan, SIWAN, BIHAR, 841226
bhojson21@gmail.com

Subject: Grant of Terms of Reference under the provision of the EIA Notification 2006-regarding.

Sir/Madam,

This is in reference to your application for Grant of Terms of Reference under the provision of the EIA Notification 2006-regarding in respect of project Proposed Sand Mining Project BLOCK NO- 21 Balu Ghat on Sone River of District- Bhojpur, State- Bihar submitted to SEIAA, Bihar vide proposal number SIA/BR/MIN/477414/2024 dated 30/05/2024.

2. The particulars of the proposal are as below :

(i) TOR Identification No.	TO24B0107BR5930601N
(ii) File No.	SIA/1(a)/2556/2024
(iii) Clearance Type	TOR
(iv) Category	B1
(v) Project/Activity Included Schedule No.	1(a) Mining of minerals
(vii) Name of Project	Proposed Sand Mining Project BLOCK NO- 21 Balu Ghat on Sone River of District- Bhojpur, State- Bihar
(viii) Name of Company/Organization	SHIVSHANKAR KAUSHIK INFRASTRUCTURE PRIVATE LIMITED
(ix) Location of Project (District, State)	BHOJPUR, BIHAR
(x) Issuing Authority	SEIAA, Bihar
(xii) Applicability of General Conditions	no
(xiii) Applicability of Specific Conditions	no

3. In view of the particulars given in the Para 1 above, the project proposal interalia including Form-1 (Part A and B) were submitted to the SEIAA, Bihar for an appraisal by the State Expert Appraisal Committee (SEAC) in the SEIAA,

Bihar under the provision of EIA notification 2006 and its subsequent amendments.

4. The above-mentioned proposal has been considered by State Environment Impact Assessment Authority (SEIAA), Bihar in the meeting held on 25/06/2024 & 26/06/2024. The minutes of the meeting and all the Application and documents submitted [(viz. Form-1 Part A, Part B, Part C EIA, EMP)] are available on PARIVESH portal which can be accessed by scanning the QR Code above.

5. The brief about configuration of plant/equipment, products and byproducts and salient features of the project along with environment settings, as submitted by the Project proponent in Form-1 (Part A, B and C)/EIA & EMP Reports/presented during SEIAA are annexed to this EC.

6. The SEIAA, Bihar in its meeting held on 25/06/2024 & 26/06/2024, based on information & clarifications provided by the project proponent and after detailed deliberations recommended the proposal for grant of Terms of Reference under the provision of EIA Notification, 2006 and as amended thereof subject to stipulation of specific and general conditions as detailed in Annexure (2).

7. The SEIAA, Bihar has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the State Expert Appraisal Committee hereby decided to grant Terms of Reference for instant proposal of M/s. KUMAR SAURABH under the provisions of EIA Notification, 2006 and as amended thereof.

8. The SEIAA, Bihar reserves the right to stipulate additional conditions, if found necessary.

9. The Terms of Reference to the aforementioned project is under provisions of EIA Notification, 2006. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.

10. This issues with the approval of the Competent Authority.

Annexure 2

Details of Products & By-products

Name of the product /By-product	Product / By-product	Quantity	Unit	Mode of Transport / Transmission	Remarks (eg. CAS number)
SAND	SAND	2815200	Tons per Annum (TPA)	Road	

सत्यमेव जयते

F. No. - SIA/1(a)/2556/2024

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY, BIHAR

2nd Floor, Beltron Bhawn
Shastri Nagar
Patna - 800 023
E-mail:- sciaabihar@gmail.com
seiaa-ms.br@gmail.com

To,

Shri Kumar Saurav,
Director,
S/o Shri Manoj Kumar Singh,
M/s Shivshankar Kaushik Infrastructure Private Limited,
405, Arjun Enclave, Ramjaipal Road,
Near B. R. Amdekar Dental College,
Patna, Bihar,
Pin code:- 801 503,
Email:- sskaushik.infra@gmail.com

Sub: **Proposed Sand Mining Project of Block No. – 21 on Sone River at Mauza:- Baga, Block:- Sandesh, District:- Bhojpur, State:- Bihar, by M/s Shivshankar Kaushik Infrastructure Private Limited,; with proposed production capacity – 16,56,000 cum/year, Area:- 92 Ha. – Terms of Reference regarding.**

Ref:

1. Online Application - SIA/BR/MIN/477414/2024.
2. Scrutiny fee submission dated 31-05-2024.
3. SEAC meeting held on 15-06-2024.
4. SEIAA meeting held on 25-06-2024 and 26-06-2024.

Sir,

This has reference to the online proposal submitted in the State Level Environment Impact Assessment Authority to prescribe the Terms of Reference (ToR) for undertaking detailed EIA study for the purpose of obtaining Environmental Clearance in accordance with the provisions of the EIA Notification, 2006. For this purpose, you had submitted online information in the prescribed format (Form - 1) along with a Prefeasibility Report. The details of the proposal as described in the application are as follows:

1.	**Online Proposal No.**	SIA/BR/MIN/477414/2024
2.	**File No.:**	SIA/1(a)/2556/2024
3.	**Name of the Proposal**	Proposed Sand Mining Project of Block No. – 21 on Sone River at Mauza:- Baga, Block:- Sandesh, District:- Bhojpur, State:- Bihar, by M/s Shivshankar Kaushik Infrastructure Private Limited
4.	**Category of the Proposal:**	Mining of Minerals 1(a)
5.	**Project/Activity applied for**	Mining of Minerals.
6.	**Name of River**	Sone River
7.	**Area of the Project**	92 Ha.
8.	**Proposed Production**	16,56,000 cum/year

In this regard, under the provisions of the EIA Notification, 2006 as amended from time to time Sustainable Sand Management Guidelines 2016 and Enforcement and Monitoring Guidelines for Sand Mining (EMGSM – 2020) for sand mining – 2020, the ToR for the purpose of preparing Environment Impact Assessment report and Environment Management Plan for obtaining prior Environmental Clearance is prescribed with Public Consultation as follows:-

A. STANDARD TERMS OF REFERENCE

1. Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved prior to 1994.

2. A copy of the document in support of the fact that the Proponent is the rightful lessee of the mine should be given.

3. All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management ,mining technology etc. and should be in the name of the lessee.

4. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/ toposheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).

5. Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.

6. Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.

7. It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/violation of the environmental or forest norms/ conditions? The hierarchical system or administrative e-order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the Company and/or shareholders or stake holders at large, may also be detailed in the EIA Report.

8. Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided.

9. The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA.

10. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass pre operational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.

11. Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.

12. A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.

13. Status of forestry clearance for the broken up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory a forestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.

14. Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.

15. The vegetation in the RF / PF areas in the study area, with necessary details, should be given.

16. A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study are and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.

17. Location of National Parks. Sanctuaries. Biosphere Reserves. Wildlife Corridors, Ramsar site Tiger/Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above. should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.

18. A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna. endangered. endemic and Rare Endangered and Threatened (RET) Species duly authenticated. separately for core and buffer zone should be furnished based on such primary field survey. clearly indicating the Schedule of the fauna present. In case of any scheduled-I fauna found in the study area, the necessary plan along with budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.

19. Proximity to Areas declared as 'Critically Polluted' or the Project areas attracting court restrictions for mining operations. should also be indicated and where so required. clearance certifications from the prescribed Authorities. such as the SPCB or State Mining Dept. Should be secured and furnished to the effect that the proposed mining activities could be considered.

20. R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, anteed based sample survey. family-wise, should be undertaken to assess their requirements, and action programmers prepared and submitted accordingly, integrating the sectoral programmers of line departments of the State Government. It may be clearly brought out whether the village(s)located in the mine lease area will be shifted or not. The issues relating to shifting of village(s)including their R&R and socio-economic aspects should be discussed in the Report.

21. One season (non-monsoon) primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site specific meteorological data should also be collected. The location of the

monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM_{10}, particularly for free silica, should be given.

22. Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. Details of the model used and input parameters used for modeling should be provided for both mining and non-mining scenario. The air quality contours should be shown on a location map clearly indicating the location of the site, location of sensitive receptors, and the habitation. The wind roses showing pre-dominant wind direction also be indicated on the map.

23. The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.

24. Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.

25. Description of water conservation measures proposed to be adopted in the Project should be given.

26. Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.

27. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.

28. Details of any stream, seasonal or otherwise, passing through the lease area and modification /diversion proposed, if any, and the impact of the same on the hydrology should be brought out.

29. Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.

30. A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind. the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory a forestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.

31. Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck / tractor and other vehicular traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out. indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.

32. Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.

33. Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.

34. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.

35. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.

36. Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.

37. Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.

38. Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.

39. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.

40. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.

41. A Disaster management Plan shall be prepared and included in the EIA/EMP Report.

42. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.

43. Besides the above, the below mentioned general points are also to be followed:-

a) All documents to be properly referenced with index and continuous page numbering.

b) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.

c) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project

d) Where the documents provided are in a language other than English, an English translation should be provided.

e) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.

f) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August, 2009,which are available on the website of this Ministry, should be followed.

g) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.

h) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the Environment Clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.

i) The EIA report should also include (i) surface plan of the area indicating contours of main topographic features, drainage and mining area. (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

B. Additional Conditions:-

1. Submit a replenishment study report of the proposed site in the pre-monsoon and post-monsoon

2. Submit a report based on cumulative assessment of increase in air pollutants due to increase in traffic load in view of proposed mining activities on all the roads located within aerial distance of 10 km using suitable air model.

3. If the proposed mining lease has overlapping areas with previously allotted mining lease or already working or worked out mining lease, the same should be clearly shown and details about quantity of sand extracted from overlapped area should be furnished duly certified from District Mining Officer.

4. The satellite imageries (high resolution) of last three years for summer, rainy and winter seasons of each proposed mining lease shall be submitted.

5. Submit a map on appropriate scale to show extraction paths to be used outside the mining lease boundary to approach major public roads (Rural / District road or State / National Highway). Alternative route shall be explored if extraction path is passing through dense population / human settlements. Also submit cumulative traffic management plan for cluster sand mining proposal.

6. Submit a map of the area falling within 2.5 km radius from boundary of each mining lease showing all man-made public utility features such as bridge / public civil structure (including water intake points), culverts etc. and highways. and a table showing distance of the above mentioned man-made features from the mining lease boundary to facilitate decision making pertaining to relevant rules / Guidelines.

7. Submit a report of the cumulative EIA/EMP study for the cluster sand mining blocks of the proposed mining site.

Sd/-
(Abhay Kumar)
Member-Secretary,
SEIAA, Bihar

Copy, through email, for information and necessary actions to:-

1. Member Secretary, Bihar State Pollution Control Board, Patna.
2. Director, Department of Mines and Geology, Govt. of Bihar, Patna.
3. Guard File.

8/7/24

(Abhay Kumar)
Member-Secretary
SEIAA, Bihar

Annexure –V

(Satellite Imaginary Last 3 Years)


BHOJ SONE -21
Legend
Google Earth


BHOJ SONE -21
Legend
Google Earth


BHOJ SONE -21
Legend
Google Earth


BHOJ SONE -21
Legend
Google Earth

Annexure –VI

(Letter from DMO, Bhojpur)

जिला खनन कार्यालय, भोजपुर(आरा)

मोबाईल नं0–7549125357
E-mail ID-bhojpurmining@gmail.com

पत्रांक– 3406

दिनांक– 03/08/2023

प्रेषक,

खनिज विकास पदाधिकारी,
भोजपुर, आरा।

प्रेषित,

M/s Shivshankar Kaushik Infrastructure Pvt. Ltd.,
Dir.- Kumar Saurav,
S/o-Manoj Kumar Singh,
Postal Add. -Kshatriya Colony, Ramnagar Andar Dhala, Siwan-841226
Permanent Add- 405, Arjun Enclave, Ramjaipal Road,
Near Dr. B.R. Ambedkar Dental College, Patna-801503
Mob-7070957766, email-sskaushik.infra@gmail.com

विषयः– भोजपुर जिलान्तर्गत बालूघाट/बालूखण्ड BHOJ SON–21, रकवा–92 हे॰ के क्षेत्र पर पूर्व से संचालित बालूघाट का Overlapping की स्थिति एवं Overlapped क्षेत्र से खनन/प्रेषण की विवरणी उपलब्ध कराने के संबंध में।

प्रसंगः– आपका आवेदन पत्रांक–शून्य, दिनांक–07.07.2023

महाशय,

उपर्युक्त विषयक आपका पत्रांक–शून्य, दिनांक–07.07.2023 के क्रम में आपको राज्य पर्यावरण समाघात निर्धारण प्राधिकार (SEIAA, Bihar) द्वारा निर्गत TOR के Additional Specific Condition No-02 के आलोक में सूचित किया जाता है कि बालूघाट/बालूखण्ड BHOJ SON-21 में पूर्व से कलस्टर सं0–22 बाघा भीखमचक बालूघाट का 7.8 Ha area Overlapped है, जिससे 207600.36 MT का उत्पादन/प्रेषण हुआ है।

अनु॰–Map Showing Overlapped Area.

विश्वासभाजन

03/08/2023
खनिज विकास पदाधिकारी,
भोजपुर, आरा।


OVERLAPED OLD & NEW GHAT
BHOJPUR SONE
Baga बागा
N
Baga Pul
BAGA BHIKHAMCHAK SAND GHAT CLUSTER-22
Bhikham Chak भीखम चक
BHOJPUR SON 21
Sachin Kumar yadav kirkiri
Kirkiri किरकिरी
Azimabad आजिमाबाद
LEGENDS
1 PROPOSED GHAT AREA:- 92.00 HA.
2 OVERLAPED AREA:- 7.80 HA.
LEGENDS
1 OLD EC GHAT
2 PROPOSED NEW GHAT
Petrol Pump
1 km
Google Earth
Image © 2023 Maxar Technologies
© 2023 Google
Image © 2023 Airbus

Annexure –VII

(Monitoring reports)

ENVIRO-TECH SERVICES

An Analytical Laboratory

ISO 45001

ETS-LAB

(A GOVERNMENT APPROVED LAB)

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email : etslab2012@gmail.com | Website : www.etslab.in | Ph.: 9911516076, 9811736063

TEST REPORT

DATE OF REPORT : 10.03.2023

TEST REPORT NO : ETS/8025/03/2023

WATERSAMPLE ANALYSIS REPORT

Name And Address of Customer	:	RIAN ENVIRO PRIVATE LIMITED BHOJPUR CLUSTER PROJECT
Date of Sampling	:	15.02.2023
Analysis Start Date	:	17.02.2023
Analysis End Date	:	20.02.2023
Sampling Done By	:	ETS STAFF
Sampling Description	:	SURFACE WATER
Sampling Location	:	SONE RIVER (DOWNSTREAM)
Sampling Method	:	ETS/STP/WATER-01
Sampling Quantity	:	2.0 +0.5 Lt.
Packing Condition	:	SEALED
Packed In	:	P.V.C. AND GLASS BOTTLE

S. No.	Test Parameters	Unit	Result	Test Method
1.	Colour	Hazen	<5.0	IS:3025 (Pt-4)
2.	Odour	---	Agreeable	IS:3025 (Pt-5)
3.	pH	---	7.70	IS:3025 (Pt-11)
4.	Turbidity	NTU	11.96	IS:3025 (Pt-10)
5.	Total Dissolve Solid (TDS)	mg/L	579.5	IS:3025 (Pt-16)
6.	Total Alkalinity ($CaCO_3$)	mg/L	247.4	IS:3025 (Pt-23)
7.	TotalHardness(CaCO3)	mg/L	366.1	IS:3025 (Pt-21)
8.	Chloride (Cl)	mg/L	126.67	IS:3025 (Pt-32)
9.	Calcium (Ca)	mg/L	73.84	IS:3025 (Pt-40)
10.	Mineral Oil	mg/L	<0.01	IS:3025 (Pt-39)
11.	Sulphate (SO_4)	mg/L	41.70	IS:3025 (Pt-24)
12.	Nitrate (NO_3)	mg/L	0.83	IS:3025 (Pt-34)
13.	Fluoride (F)	mg/L	0.42	IS:3025 (Pt-60)
14.	Iron (Fe)	mg/L	0.21	IS:3025 (Pt-53)
15.	Aluminium (Al)	mg/L	<0.01	APHA-3500 (B)
16.	Selenium (Se)	mg/L	<0.01	APHA-3113 (B)
17.	Cyanide (Cn)	mg/L	<0.02	APHA-4500 (C)
18.	Copper(Cu)	mg/L	<0.05	APHA-3111(B)
19.	Magnesium (Mg)	mg/L	18.93	IS:3025 (Pt-45)
20.	Manganese(Mn)	mg/L	<0.1	APHA-3111(B)
21.	Zinc(Zn)	mg/L	0.75	APHA-3111 (B)
22.	Cadmium(Cd)	mg/L	<0.001	APHA-3111 (B)
23.	Lead(Pb)	mg/L	<0.01	APHA-3111 (B)
24.	Boron	Mg/L	<0.05	IS:3026(Pt-57)
25.	Mercury(Hg)	mg/L	<0.001	APHA-3112 (B)
26.	Molybdenum(mo)	mg/L	<0.05	IS:3025(Pt-2)
27.	Nickel (Ni)	mg/L	<0.01	APHA-3111 (B)
28.	Arsenic(As)	mg/L	<0.01	APHA-3500 (B)
29.	Chromium (Cr+6)	mg/L	<0.01	APHA-3500 Cr-B
30.	Conductivity (25 °C)	µs/Cm	800.90	APHA-2510
31.	Chemical Oxygen Demand (COD)	mg/L	18.10	APHA-5220 (B)
32.	Biological Oxygen Demand (BOD at $27^{O}C$ for 3 day)	mg/L	3.95	APHA-4500 (D)
33.	Dissolve Oxygen (DO)	mg/L	6.14	APHA-5210

****End of Test Report****

Note:-

1. Test reports without **ETS LAB HOLOGRAM** are not issued by our laboratory.
2. The results indicated only refer to the tested samples and listed applicable parameters.
3. No claim will be entertained if received after 7 days of issue of test report.
4. Our liability is limited to invoice value only.
5. The sample shall be destroyed after 15 days for Biological / Perishable samples and for destructive tests immediately after issue of test report.
6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

CHECKED BY
SHRADDHA GUPTA

For ENVIRO-TECH SERVICES

AUTHORIZED SIGNATORY
MD. ANIRAJ
Quality Manager

ENVIRO-TECH SERVICES

An Analytical Laboratory

ISO 45001

(A GOVERNMENT APPROVED LAB)

ETS-LAB

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email : etslab2012@gmail.com | Website : www.etslab.in | Ph.: 9911516076, 9811736063

TEST REPORT

TEST REPORT NO : ETS/8026/03/2023

DATE OF REPORT : 10.03.2023

WATERSAMPLE ANALYSIS REPORT

Name And Address of Customer	:	RIAN ENVIRO PRIVATE LIMITED BHOJPUR CLUSTER PROJECT
Date of Sampling	:	14.02.2023
Analysis Start Date	:	16.02.2023
Analysis End Date	:	19.02.2023
Sampling Done By	:	ETS STAFF
Sampling Description	:	SURFACE WATER
Sampling Location	:	SONE RIVER(UPSTREAM)
Sampling Method	:	ETS/STP/WATER-01
Sampling Quantity	:	2.0 +0.5 Lt.
Packing Condition	:	SEALED
Packed In	:	P.V.C. AND GLASS BOTTLE

S. No.	Test Parameters	Unit	Result	Test Method
1.	Colour	Hazen	<5.1	IS:3025 (Pt-4)
2.	Odour	---	Agreeable	IS:3025 (Pt-5)
3.	pH	---	8.01	IS:3025 (Pt-11)
4.	Turbidity	NTU	10.71	IS:3025 (Pt-10)
5.	Total Dissolve Solid (TDS)	mg/L	558.7	IS:3025 (Pt-16)
6.	Total Alkalinity ($CaCO_3$)	mg/L	272.7	IS:3025 (Pt-23)
7.	TotalHardness(CaCO3)	mg/L	348.4	IS:3025 (Pt-21)
8.	Chloride (Cl)	mg/L	109.62	IS:3025 (Pt-32)
9.	Calcium (Ca)	mg/L	52.83	IS:3025 (Pt-40)
10.	Mineral Oil	mg/L	<0.02	IS:3025 (Pt-39)
11.	Sulphate (SO_4)	mg/L	37.65	IS:3025 (Pt-24)
12.	Nitrate (NO_3)	mg/L	0.31	IS:3025 (Pt-34)
13.	Fluoride (F)	mg/L	0.31	IS:3025 (Pt-60)
14.	Iron (Fe)	mg/L	0.21	IS:3025 (Pt-53)
15.	Aluminium (Al)	mg/L	<0.01	APHA-3500 (B)
16.	Selenium (Se)	mg/L	<0.01	APHA-3113 (B)
17.	Cyanide (Cn)	mg/L	<0.02	APHA-4500 (C)
18.	Copper(Cu)	mg/L	<0.05	APHA-3111(B)
19.	Magnesium (Mg)	mg/L	21.63	IS:3025 (Pt-45)
20.	Manganese(Mn)	mg/L	<0.2	APHA-3111(B)
21.	Zinc(Zn)	mg/L	0.50	APHA-3111 (B)
22.	Cadmium(Cd)	mg/L	<0.001	APHA-3111 (B)
23.	Lead(Pb)	mg/L	<0.01	APHA-3111 (B)
24.	Boron	Mg/L	<0.05	IS:3026(Pt-57)
25.	Mercury(Hg)	mg/L	<0.001	APHA-3112 (B)
26.	Molybdenum(mo)	mg/L	<0.05	IS:3025(Pt-2)
27.	Nickel (Ni)	mg/L	<0.01	APHA-3111 (B)
28.	Arsenic(As)	mg/L	<0.01	APHA-3500 (B)
29.	Chromium (Cr+6)	mg/L	<0.01	APHA-3500 Cr-B
30.	Conductivity (25 °C)	µs/Cm	694.51	APHA-2510
31.	Chemical Oxygen Demand (COD)	mg/L	19.97	APHA-5220 (B)
32.	Biological Oxygen Demand (BOD at 27^{0}C for 3 day)	mg/L	5.41	APHA-4500 (D)
33.	Dissolve Oxygen (DO)	mg/L	4.58	APHA-5210

****End of Test Report****

For ENVIRO-TECH SERVICES

MR. HUMRAJ
Quality Manager

AUTHORIZED SIGNATORY

CHECKED BY
SHRADDHA GUPTA

Note:-

1. **Test reports without ETS LAB HOLOGRAM are not issued by our laboratory.**
2. **The results indicated only refer to the tested samples and listed applicable parameters.**
3. **No complaint will be entertained if received after 7 days of issue of test report.**
4. **Our liability is limited to invoice value only.**
5. **The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.**
6. **This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.**

ENVIRO-TECH SERVICES

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email : etslab2012@gmail.com | Website : www.etslab.in | Ph.: 9911516076, 9811736063

TEST REPORT

TEST REPORT NO : ETS/8027/03/2023

DATE OF REPORT : 10.03.2023

WATERSAMPLE ANALYSIS REPORT

Name And Address of Customer	:	RIAN ENVIRO PRIVATE LIMITED BHOJPUR CLUSTER PROJECT
Date of Sampling	:	15.02.2023
Analysis Start Date	:	17.02.2023
Analysis End Date	:	20.02.2023
Sampling Done By	:	ETS STAFF
Sampling Description	:	SURFACE WATER
Sampling Location	:	UDAIPUR
Sampling Method	:	ETS/STP/WATER-01
Sampling Quantity	:	2.0 +0.5 Lt.
Packing Condition	:	SEALED
Packed In	:	P.V.C. AND GLASS BOTTLE

S. No.	Test Parameters	Unit	Result	Test Method
1.	Colour	Hazen	<5.0	IS:3025 (Pt-4)
2.	Odour	---	Agreeable	IS:3025 (Pt-5)
3.	pH	---	7.74	IS:3025 (Pt-11)
4.	Turbidity	NTU	12.6	IS:3025 (Pt-10)
5.	Total Dissolve Solid (TDS)	mg/L	502.4	IS:3025 (Pt-16)
6.	Total Alkalinity ($CaCO_3$)	mg/L	199.7	IS:3025 (Pt-23)
7.	TotalHardness(CaCO3)	mg/L	264.1	IS:3025 (Pt-21)
8.	Chloride (Cl)	mg/L	81.6	IS:3025 (Pt-32)
9.	Calcium (Ca)	mg/L	55.3	IS:3025 (Pt-40)
10.	Mineral Oil	mg/L	<0.04	IS:3025 (Pt-39)
11.	Sulphate (SO_4)	mg/L	41.28	IS:3025 (Pt-24)
12.	Nitrate (NO_3)	mg/L	0.72	IS:3025 (Pt-34)
13.	Fluoride (F)	mg/L	0.41	IS:3025 (Pt-60)
14.	Iron (Fe)	mg/L	0.21	IS:3025 (Pt-53)
15.	Aluminium (Al)	mg/L	<0.01	APHA-3500 (B)
16.	Selenium (Se)	mg/L	<0.01	APHA-3113 (B)
17.	Cyanide (Cn)	mg/L	<0.02	APHA-4500 (C)
18.	Copper(Cu)	mg/L	<0.05	APHA-3111(B)
19.	Magnesium (Mg)	mg/L	9.89	IS:3025 (Pt-45)
20.	Manganese(Mn)	mg/L	<0.4	APHA-3111(B)
21.	Zinc(Zn)	mg/L	0.55	APHA-3111 (B)
22.	Cadmium(Cd)	mg/L	<0.001	APHA-3111 (B)
23.	Lead(Pb)	mg/L	<0.01	APHA-3111 (B)
24.	Boron	Mg/L	<0.05	IS:3026(Pt-57)
25.	Mercury(Hg)	mg/L	<0.001	APHA-3112 (B)
26.	Molybdenum(mo)	mg/L	<0.05	IS:3025(Pt-2)
27.	Nickel (Ni)	mg/L	<0.01	APHA-3111 (B)
28.	Arsenic(As)	mg/L	<0.01	APHA-3500 (B)
29.	Chromium (Cr+6)	mg/L	<0.01	APHA-3500 Cr-B
30.	Conductivity (25 °C)	µs/Cm	719.46	APHA-2510
31.	Chemical Oxygen Demand (COD)	mg/L	20.89	APHA-5220 (B)
32.	Biological Oxygen Demand (BOD at 27°C for 3 day)	mg/L	5.40	APHA-4500 (D)
33.	Dissolve Oxygen (DO)	mg/L	4.08	APHA-5210

****End of Test Report****

For ENVIRO-TECH SERVICES

MR. HUMRAJ
Quality Manager

AUTHORIZED SIGNATORY

CHECKED BY:
SHRADDHA GUPTA

Note:-
1. Test reports without **ETS LAB HOLOGRAM** are not issued by our laboratory.
2. The results indicated only refer to the tested samples and listed applicable parameters.
3. No complaints will be entertained if received after 7 days of issue of test report.
4. Our liability is limited to invoice value only.
5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.
6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

ENVIRO-TECH SERVICES

An Analytical Laboratory

ISO 45001

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ETS-LAB

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email : etslab2012@gmail.com | Website : www.etslab.in | Ph.: 9911516076, 9811736063

TEST REPORT

TEST REPORT NO : ETS/8028/03/2023

DATE OF REPORT : 10.03.2023

WATERSAMPLE ANALYSIS REPORT

Name And Address of Customer	:	RIAN ENVIRO PRIVATE LIMITED BHOJPUR CLUSTER PROJECT
Date of Sampling	:	20.02.2023
Analysis Start Date	:	22.02.2023
Analysis End Date	:	25.02.2023
Sampling Done By	:	ETS STAFF
Sampling Description	:	SURFACE WATER
Sampling Location	:	NOORPUR
Sampling Method	:	ETS/STP/WATER-01
Sampling Quantity	:	2.0 +0.5 Lt.
Packing Condition	:	SEALED
Packed In	:	P.V.C. AND GLASS BOTTLE

S. No.	Test Parameters	Unit	Result	Test Method
1.	Colour	Hazen	<5.0	IS:3025 (Pt-4)
2.	Odour	---	Agreeable	IS:3025 (Pt-5)
3.	pH	---	7.68	IS:3025 (Pt-11)
4.	Turbidity	NTU	19.2	IS:3025 (Pt-10)
5.	Total Dissolve Solid (TDS)	mg/L	314.3	IS:3025 (Pt-16)
6.	Total Alkalinity ($CaCO_3$)	mg/L	164.7	IS:3025 (Pt-23)
7.	TotalHardness(CaCO3)	mg/L	130.7	IS:3025 (Pt-21)
8.	Chloride (Cl)	mg/L	83.9	IS:3025 (Pt-32)
9.	Calcium (Ca)	mg/L	40.6	IS:3025 (Pt-40)
10.	Mineral Oil	mg/L	<0.04	IS:3025 (Pt-39)
11.	Sulphate (SO_4)	mg/L	27.45	IS:3025 (Pt-24)
12.	Nitrate (NO_3)	mg/L	1.16	IS:3025 (Pt-34)
13.	Fluoride (F)	mg/L	0.32	IS:3025 (Pt-60)
14.	Iron (Fe)	mg/L	0.14	IS:3025 (Pt-53)
15.	Aluminium (Al)	mg/L	<0.01	APHA-3500 (B)
16.	Selenium (Se)	mg/L	<0.01	APHA-3113 (B)
17.	Cyanide (Cn)	mg/L	<0.02	APHA-4500 (C)
18.	Copper(Cu)	mg/L	<0.05	APHA-3111(B)
19.	Magnesium (Mg)	mg/L	13.37	IS:3025 (Pt-45)
20.	Manganese(Mn)	mg/L	<0.4	APHA-3111(B)
21.	Zinc(Zn)	mg/L	0.46	APHA-3111 (B)
22.	Cadmium(Cd)	mg/L	<0.001	APHA-3111 (B)
23.	Lead(Pb)	mg/L	<0.01	APHA-3111 (B)
24.	Boron	Mg/L	<0.05	IS:3026(Pt-57)
25.	Mercury(Hg)	mg/L	<0.001	APHA-3112 (B)
26.	Molybdenum(mo)	mg/L	<0.05	IS:3025(Pt-2)
27.	Nickel (Ni)	mg/L	<0.01	APHA-3111 (B)
28.	Arsenic(As)	mg/L	<0.01	APHA-3500 (B)
29.	Chromium (Cr+6)	mg/L	<0.01	APHA-3500 Cr-B
30.	Conductivity (25 °C)	µs/Cm	524.99	APHA-2510
31.	Chemical Oxygen Demand (COD)	mg/L	19.27	APHA-5220 (B)
32.	Biological Oxygen Demand (BOD at 27^0C for 3 day)	mg/L	4.08	APHA-4500 (D)
33.	Dissolve Oxygen (DO)	mg/L	6.02	APHA-5210

****End of Test Report****

For ENVIRO-TECH SERVICES

HUMRAJ
Quality Manager

AUTHORIZED SIGNATORY

CHECKED BY
SHRADDHA GUPTA

Note:-

1. Test reports without **ETS LAB HOLOGRAM** are not issued by our laboratory.
2. The results indicated only refer to the tested samples and listed applicable parameters.
3. No complaint will be entertained if received after 7 days of issue of test report.
4. Our liability is limited to invoice value only.
5. The sample shall be destroyed after 15 days of issue of test report. Perishable samples shall be destroyed immediately on issue of test report.
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ENVIRO-TECH SERVICES

An Analytical Laboratory

ISO 45001

ETS-LAB

(A GOVERNMENT APPROVED LAB)

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email : etslab2012@gmail.com | Website : www.etslab.in | Ph.: 9911516076, 9811736063

TEST REPORT NO :ETS/8002/03/2023

DATE OF REPORT : 10.03.2023

AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Name And Address of Customer : RIAN ENVIRO PRIVATE LIMITED
BHOJPUR CLUSTER PROJECT

Analysis Start Date : 12.12.2022
Analysis End Date : 06.03.2023
Sampling Done By : ETS STAFF
Sampling Location : UDAYPUR
Sampling Method : ETS/STP/AIR-01
Sampling Machine Placed At Height : 1.5 MTR. (FROM GROUND)
Weather Condition : CLEAR

Test Parameters			Particulate Matter(PM10)	Particulate Matter(PM2.5)	Sulphur Dioxide(SO2)	Nitrogen Dioxide(NO2)	Carbon Monoxide(CO)
Unit			µg/m3	µg/m3	µg/m3	µg/m3	mg/m3
Limit (as Per CPCB)			24 Hrs.=100	24 Hrs.=60	24 Hrs.=80	24 Hrs.=80	1 Hrs.=04
Test Method			IS 5182 (Part-23)	ETS/STP/AIR-03	IS: 5182 (Part-2)	IS: 5182 (Part-6)	IS 5182 (Part-10)
Sl.N.	Monitoring Date	Sample ID	Test Results				
1	09.12.2022	ETS/DI-25	65.2	33.0	11.8	21.2	0.86
2	12.12.2022	ETS/DI-26	65.9	33.7	14.5	22.3	1.11
3	16.12.2022	ETS/DI-27	63.8	34.7	13.1	23.5	1.98
4	19.12.2022	ETS/DI-28	67.7	33.6	14.5	24.2	0.97
5	23.12.2022	ETS/DI-29	64.3	32.3	13.0	22.4	0.62
6	26.12.2022	ETS/DI-30	62.4	32.7	14.0	21.4	0.79
7	30.12.2022	ETS/DI-31	67.3	33.2	13.2	24.4	0.92
8	01.01.2023	ETS/DI-32	64.4	30.1	12.4	21.4	1.29
9	05.01.2023	ETS/DI-33	60.7	29.4	13.1	22.2	1.78
10	09.01.2023	ETS/DI-34	61.1	26.2	13.8	23.5	1.57
11	12.01.2023	ETS/DI-35	63.4	26.4	14.2	24.5	1.06
12	15.01.2023	ETS/DI-36	60.7	28.7	13.0	22.4	1.96
13	19.01.2023	ETS/DI-37	59.7	31.3	11.9	25.7	1.55
14	22.01.2023	ETS/DI-38	61.9	33.7	13.2	23.6	0.89
15	28.01.2023	ETS/DI-39	64.4	33.9	13.4	24.5	1.29
16	31.01.2023	ETS/DI-40	62.8	33.1	14.0	25.3	1.78
17	04.02.2023	ETS/DI-41	61.2	33.4	13.1	23.6	0.99
18	08.02.2023	ETS/DI-42	60.3	34.8	16.2	22.6	1.57
19	11.02.2023	ETS/DI-43	65.7	33.1	11.9	21.2	1.49
20	14.02.2023	ETS/DI-44	60.1	34.6	13.3	19.5	1.19
21	19.02.2023	ETS/DI-45	61.1	33.2	13.8	23.7	1.98
22	23.02.2023	ETS/DI-46	63.7	34.1	13.4	22.4	1.78
23	27.02.2023	ETS/DI-47	62.5	29.9	13.1	20.8	1.09
24	04.03.2023	ETS/DI-48	65.3	28.5	12.1	23.5	1.96
		Minimum	59.7	26.2	11.8	19.5	0.62
		Maximum	67.7	34.8	16.2	25.7	1.98
		Average	63.1	32.0	13.3	22.9	1.35
		98 PERCENTILE	67.50	34.72	15.42	25.42	1.96

For ENVIRO-TECH SERVICES

****End of Test Report****

CHECKED BY
SHRADDHA GUPTA

AUTHORIZED SIGNATORY
MR. HUMRAJ
Quality Manager

Format No ETS/LAB/TR-02, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

Note:-

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email : etslab2012@gmail.com | Website : www.etslab.in | Ph.: 9911516076, 9811736063

TEST REPORT

TEST REPORT NO :ETS/8001/03/2023

DATE OF REPORT :10.03.2023

AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Name And Address of Customer : RIAN ENVIRO PRIVATE LIMITED
BHOJPUR CLUSTER PROJECT

Analysis Start Date : 10.12.2022
Analysis End Date : 05.03.2023
Sampling Done By : ETS STAFF
Sampling Location : DEVI MANDIRBAGA MATHIYA
Sampling Method : ETS/STP/AIR-01
Sampling Machine Placed At Height : 1.5 MTR. (FROM GROUND)
Weather Condition : CLEAR

Test Parameters			Particulate Matter(PM10)	Particulate Matter(PM2.5)	Sulphur Dioxide(SO2)	Nitrogen Dioxide(NO2)	Carbon Monoxide(CO)
Unit			µg/m3	µg/m3	µg/m3	µg/m3	mg/m3
Limit (as Per CPCB)			24 Hrs.=100	24 Hrs.=60	24 Hrs.=80	24 Hrs.=80	1 Hrs.=04
Test Method			IS 5182 (Part-23)	ETS/STP/AIR-03	IS: 5182 (Part-2)	IS: 5182 (Part-6)	IS 5182 (Part-10)
Sl.N.	Monitoring Date	Sample ID	Test Results				
1	07.12.2022	ETS/DI-01	71.7	38.7	11.8	17.1	1.08
2	10.12.2022	ETS/DI-02	70.9	39.4	9.8	19.0	0.58
3	12.12.2022	ETS/DI-03	68.9	40.2	8.9	19.9	1.68
4	15.12.2022	ETS/DI-04	64.0	39.3	9.7	18.5	1.08
5	19.12.2022	ETS/DI-05	69.4	38.1	10.9	20.5	0.96
6	22.12.2022	ETS/DI-06	67.6	38.5	11.4	20.0	1.93
7	26.12.2022	ETS/DI-07	72.2	38.9	10.0	19.7	1.67
8	30.12.2022	ETS/DI-08	69.5	36.4	8.7	18.4	1.24
9	03.01.2023	ETS/DI-09	66.0	35.7	11.0	17.3	1.83
10	06.01.2023	ETS/DI-10	66.4	32.9	11.4	20.5	1.87
11	10.01.2023	ETS/DI-11	68.5	33.1	12.0	20.5	1.49
12	13.01.2023	ETS/DI-12	66.0	35.2	12.9	20.0	1.44
13	17.01.2023	ETS/DI-13	65.1	37.3	11.1	20.8	0.75
14	20.01.2023	ETS/DI-14	67.1	39.4	13.9	21.6	0.96
15	23.01.2023	ETS/DI-15	69.5	39.5	9.8	23.3	1.56
16	27.01.2023	ETS/DI-16	68.0	38.8	8.9	22.2	0.75
17	03.02.2023	ETS/DI-17	66.4	39.1	11.1	24.1	1.91
18	07.02.2023	ETS/DI-18	65.6	40.3	10.8	20.7	1.56
19	10.02.2023	ETS/DI-19	70.7	38.8	8.8	21.4	1.68
20	13.02.2023	ETS/DI-20	65.4	40.1	9.4	21.0	0.87
21	17.02.2023	ETS/DI-21	66.4	38.8	12.2	19.7	1.68
22	20.02.2023	ETS/DI-22	68.8	39.8	11.1	21.4	1.81
23	26.02.2023	ETS/DI-23	67.7	36.2	12.0	20.2	1.80
24	03.03.2023	ETS/DI-24	70.3	35.0	10.2	18.5	0.98
		Minimum	**64.0**	**32.9**	**8.7**	**17.1**	**0.58**
		Maximum	**72.2**	**40.3**	**13.9**	**24.1**	**1.93**
		Average	**68.0**	**37.9**	**10.7**	**20.3**	**1.38**
		98 PERCENTILE	**71.96**	**40.24**	**13.41**	**23.71**	**1.92**

For ENVIRO-TECH SERVICES

****End of Test Report****

CHECKED BY
SHRADDHA GUPTA

AUTHORIZED SIGNATORY
MR. HUMRAJ
Quality Manager

Format No ETS/LAB/TR-02, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

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email : etslab2012@gmail.com | Website : www.etslab.in | Ph.: 9911516076, 9811736063

TEST REPORT

TEST REPORT NO :ETS/8003/03/2023 DATE OF REPORT :10.03.2023

AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Name And Address of Customer : RIAN ENVIRO PRIVATE LIMITED
BHOJPUR CLUSTER PROJECT

Analysis Start Date : 10.12.2022
Analysis End Date : 05.03.2023
Sampling Done By : ETS STAFF
Sampling Location : RANIPUR KURKURI
Sampling Method : ETS/STP/AIR-01
Sampling Machine Placed At Height : 1.5 MTR. (FROM GROUND)
Weather Condition : CLEAR

Test Parameters			Particulate Matter(PM10)	Particulate Matter(PM2.5)	Sulphur Dioxide(SO2)	Nitrogen Dioxide(NO2)	Carbon Monoxide(CO)
Unit			µg/m3	µg/m3	µg/m3	µg/m3	mg/m3
Limit (as Per CPCB)			24 Hrs.=100	24 Hrs.=60	24 Hrs.=80	24 Hrs.=80	1 Hrs.=04
Test Method			IS 5182 (Part-23)	ETS/STP/AIR-03	IS 5182 (Part-2)	IS 5182 (Part-6)	IS 5182 (Part-10)
Sl.N.	Monitoring Date	Sample ID	Test Results				
1	07.12.2022	ETS/DI-49	61.5	28.8	10.1	22.0	1.84
2	10.12.2022	ETS/DI-50	62.1	29.3	11.1	22.9	1.54
3	12.12.2022	ETS/DI-51	60.2	30.2	9.4	21.8	1.47
4	15.12.2022	ETS/DI-52	63.8	29.3	9.7	24.1	1.54
5	19.12.2022	ETS/DI-53	60.6	28.2	10.4	23.1	0.50
6	22.12.2022	ETS/DI-54	66.0	28.5	11.2	24.7	0.59
7	26.12.2022	ETS/DI-55	63.4	29.0	11.4	22.9	0.74
8	30.12.2022	ETS/DI-56	60.7	26.4	11.8	25.2	0.95
9	03.01.2023	ETS/DI-57	62.7	35.4	11.4	23.6	1.32
10	06.01.2023	ETS/DI-58	57.6	32.2	11.2	22.0	1.54
11	10.01.2023	ETS/DI-59	59.8	30.2	11.8	22.9	1.84
12	13.01.2023	ETS/DI-60	57.4	25.2	14.1	24.2	1.29
13	17.01.2023	ETS/DI-61	56.4	27.4	11.3	27.3	1.54
14	20.01.2023	ETS/DI-62	58.4	29.3	11.1	23.1	0.66
15	23.01.2023	ETS/DI-63	60.7	29.5	8.0	24.4	0.95
16	27.01.2023	ETS/DI-64	59.2	28.8	9.4	25.2	1.32
17	03.02.2023	ETS/DI-65	57.7	29.2	9.1	22.9	0.74
18	07.02.2023	ETS/DI-66	56.9	30.3	10.3	25.6	1.69
19	10.02.2023	ETS/DI-67	61.9	28.8	11.4	24.2	1.10
20	13.02.2023	ETS/DI-68	56.7	30.1	9.3	23.0	0.88
21	17.02.2023	ETS/DI-69	57.6	28.9	10.5	24.4	1.54
22	20.02.2023	ETS/DI-70	60.0	29.8	11.3	25.2	1.32
23	26.02.2023	ETS/DI-71	58.9	26.2	9.5	22.4	1.84
24	03.03.2023	ETS/DI-72	61.6	25.1	11.1	24.1	1.04
		Minimum	**56.4**	**25.1**	**8.0**	**21.8**	**0.50**
		Maximum	**66.0**	**35.4**	**14.1**	**27.3**	**1.84**
		Average	**60.1**	**29.0**	**10.6**	**23.8**	**1.24**
		98 PERCENTILE	**64.99**	**33.92**	**13.05**	**26.53**	**1.82**

****End of Test Report****

For ENVIRO-TECH SERVICES

CHECKED BY
SHRADDHA GUPTA

MD NUMRAJ
AUTHORIZED SIGNATORY
Quality Manager

Format No ETS/LAB/TR-02, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

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email : etslab2012@gmail.com | Website : www.etslab.in | Ph.: 9911516076, 9811736063

TEST REPORT

TEST REPORT NO :ETS/8004/03/2023

DATE OF REPORT :10.03.2023

AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Name And Address of Customer : RIAN ENVIRO PRIVATE LIMITED
BHOJPUR CLUSTER PROJECT

Analysis Start Date : 12.12.2022

Analysis End Date : 06.03.2023

Sampling Done By : ETS STAFF

Sampling Location : MOHABALIPUR

Sampling Method : ETS/STP/AIR-01

Sampling Machine Placed At Height : 1.5 MTR. (FROM GROUND)

Weather Condition : CLEAR

Test Parameters			Particulate Matter(PM10)	Particulate Matter(PM2.5)	Sulphur Dioxide(SO2)	Nitrogen Dioxide(NO2)	Carbon Monoxide(CO)
Unit			µg/m3	µg/m3	µg/m3	µg/m3	mg/m3
Limit (as Per CPCB)			24 Hrs.=100	24 Hrs.=60	24 Hrs.=80	24 Hrs.=80	1 Hrs.=04
Test Method			IS 5182 (Part-23)	ETS/STP/AIR-03	IS: 5182 (Part-2)	IS: 5182 (Part-6)	IS 5182 (Part-10)
Sl.N.	Monitoring Date	Sample ID	Test Results				
1	09.12.2022	ETS/DI-73	74.7	38.6	9.1	18.3	0.60
2	12.12.2022	ETS/DI-74	75.5	39.3	10.1	19.2	0.54
3	16.12.2022	ETS/DI-75	73.1	40.5	11.9	17.5	0.48
4	19.12.2022	ETS/DI-76	74.7	39.3	11.0	18.4	0.99
5	23.12.2022	ETS/DI-77	73.7	37.8	10.4	20.1	0.71
6	26.12.2022	ETS/DI-78	71.5	38.3	11.1	17.5	1.13
7	30.12.2022	ETS/DI-79	76.9	38.9	11.5	16.6	1.41
8	01.01.2023	ETS/DI-80	73.7	35.5	11.9	17.5	1.20
9	05.01.2023	ETS/DI-81	69.5	34.7	11.6	18.4	1.70
10	09.01.2023	ETS/DI-82	70.0	30.9	12.1	19.2	1.27
11	12.01.2023	ETS/DI-83	72.6	31.2	11.1	20.4	0.42
12	15.01.2023	ETS/DI-84	69.6	33.9	11.9	21.2	1.18
13	19.01.2023	ETS/DI-85	68.5	36.8	11.4	21.9	1.13
14	22.01.2023	ETS/DI-86	70.9	39.3	10.5	20.4	1.70
15	28.01.2023	ETS/DI-87	73.8	39.6	9.0	19.4	1.55
16	31.01.2023	ETS/DI-88	72.0	38.8	9.7	18.5	1.27
17	04.02.2023	ETS/DI-89	70.1	39.1	10.3	19.4	1.58
18	08.02.2023	ETS/DI-90	69.1	40.7	11.5	20.2	1.55
19	11.02.2023	ETS/DI-91	75.2	38.8	12.3	21.5	1.75
20	14.02.2023	ETS/DI-92	69.0	40.4	10.9	20.1	0.57
21	19.02.2023	ETS/DI-93	70.0	38.8	9.4	19.4	1.13
22	23.02.2023	ETS/DI-94	72.9	39.9	10.4	18.4	1.55
23	27.02.2023	ETS/DI-95	71.6	35.3	11.0	19.3	1.70
24	04.03.2023	ETS/DI-96	74.8	33.6	11.6	21.0	1.09
		Minimum	**68.5**	**30.9**	**9.0**	**16.6**	**0.42**
		Maximum	**76.9**	**40.7**	**12.3**	**21.9**	**1.75**
		Average	**72.2**	**37.5**	**10.9**	**19.3**	**1.17**
		98 PERCENTILE	**76.26**	**40.63**	**12.21**	**21.72**	**1.72**

****End of Test Report****

For ENVIRO-TECH SERVICES

CHECKED BY
SHRADDHA GUPTA

AUTHORIZED SIGNATORY
MD NUMRAJ
Quality Manager

Format No ETS/LAB/TR-02, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

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TEST REPORT

TEST REPORT NO :ETS/8005/03/2023 DATE OF REPORT :10.03.2023

AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Name And Address of Customer : RIAN ENVIRO PRIVATE LIMITED
BHOJPUR CLUSTER PROJECT

Analysis Start Date : 10.12.2022

Analysis End Date : 05.03.2023

Sampling Done By : ETS STAFF

Sampling Location : GOV. MIDDLE SCHOOL BHERHARIYA ENGLISH

Sampling Method : ETS/STP/AIR-01

Sampling Machine Placed At Height : 1.5 MTR. (FROM GROUND)

Weather Condition : CLEAR

Test Parameters			Particulate Matter(PM10)	Particulate Matter(PM2.5)	Sulphur Dioxide(SO2)	Nitrogen Dioxide(NO2)	Carbon Monoxide(CO)
Unit			µg/m3	µg/m3	µg/m3	µg/m3	mg/m3
Limit (as Per CPCB)			24 Hrs.=100	24 Hrs.=60	24 Hrs.=80	24 Hrs.=80	1 Hrs.=04
Test Method			IS 5182 (Part-23)	ETS/STP/AIR-03	IS: 5182 (Part-2)	IS: 5182 (Part-6)	IS 5182 (Part-10)
Sl. N.	Monitoring Date	Sample ID	Test Results				
1	07.12.2022	ETS/DI-97	68.3	40.3	11.3	20.3	0.56
2	10.12.2022	ETS/DI-98	77.5	41.1	9.2	14.7	0.63
3	12.12.2022	ETS/DI-99	75.0	42.2	11.3	19.3	0.57
4	15.12.2022	ETS/DI-100	79.5	41.0	10.6	21.7	0.65
5	19.12.2022	ETS/DI-101	75.6	39.5	11.3	18.6	0.56
6	22.12.2022	ETS/DI-102	73.4	39.9	11.3	19.6	0.74
7	26.12.2022	ETS/DI-103	78.9	40.6	12.4	20.6	0.87
8	30.12.2022	ETS/DI-104	75.6	37.1	11.6	21.3	0.81
9	03.01.2023	ETS/DI-105	71.4	36.3	12.1	21.5	0.68
10	06.01.2023	ETS/DI-106	72.0	32.6	10.6	20.8	0.89
11	10.01.2023	ETS/DI-107	74.6	32.7	11.3	19.6	0.94
12	13.01.2023	ETS/DI-108	71.6	35.5	12.1	20.6	0.98
13	17.01.2023	ETS/DI-109	70.4	38.3	11.5	21.4	0.67
14	20.01.2023	ETS/DI-110	72.8	41.1	11.4	20.7	0.65
15	23.01.2023	ETS/DI-111	75.7	41.3	12.1	21.5	0.78
16	27.01.2023	ETS/DI-112	73.8	40.4	12.5	21.6	1.83
17	03.02.2023	ETS/DI-113	72.0	40.7	11.5	19.6	1.16
18	07.02.2023	ETS/DI-114	71.0	42.3	12.1	22.2	1.18
19	10.02.2023	ETS/DI-115	77.2	40.4	11.4	24.5	1.76
20	13.02.2023	ETS/DI-116	70.8	42.1	11.3	20.5	0.85
21	17.02.2023	ETS/DI-117	72.0	40.5	10.6	21.5	1.60
22	20.02.2023	ETS/DI-118	74.9	41.5	11.3	22.5	0.71
23	26.02.2023	ETS/DI-119	73.5	36.8	12.1	21.3	0.87
24	03.03.2023	ETS/DI-120	76.8	35.2	13.0	19.6	1.28
		Minimum	68.3	32.6	9.2	14.7	0.56
		Maximum	79.5	42.3	13.0	24.5	1.83
		Average	73.9	39.1	11.5	20.6	0.93
		98 PERCENTILE	79.22	42.28	12.76	23.59	1.80

****End of Test Report****

For ENVIRO-TECH SERVICES

CHECKED BY
SHRADDHA GUPTA

AUTHORIZED SIGNATORY
Quality Manager

Format No ETS/LAB/TR-02, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

Note:-

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An Analytical Laboratory

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email : etslab2012@gmail.com | Website : www.etslab.in | Ph.: 9911516076, 9811736063

TEST REPORT

TEST REPORT NO :ETS/8006/03/2023 DATE OF REPORT :10.03.2023

AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Name And Address of Customer : RIAN ENVIRO PRIVATE LIMITED
BHOJPUR CLUSTER PROJECT

Analysis Start Date : 12.12.2022
Analysis End Date : 06.03.2023
Sampling Done By : ETS STAFF
Sampling Location : GOVERNMENT SCHOOL KHANDOL
Sampling Method : ETS/STP/AIR-01
Sampling Machine Placed At Height : 1.5 MTR. (FROM GROUND)
Weather Condition : CLEAR

Test Parameters			Particulate Matter(PM10)	Particulate Matter(PM2.5)	Sulphur Dioxide(SO2)	Nitrogen Dioxide(NO2)	Carbon Monoxide(CO)
Unit			µg/m3	µg/m3	µg/m3	µg/m3	mg/m3
Limit (as Per CPCB)			24 Hrs.=100	24 Hrs.=60	24 Hrs.=80	24 Hrs.=80	1 Hrs.=04
Test Method			IS 5182 (Part-23)	ETS/STP/AIR-03	IS 5182 (Part-2)	IS: 5182 (Part-6)	IS 5182 (Part-10)
Sl. N.	Monitoring Date	Sample ID	Test Results				
1	09.12.2022	ETS/DI-121	73.2	35.3	10.6	17.5	0.80
2	12.12.2022	ETS/DI-122	73.9	36.0	10.0	16.7	1.13
3	16.12.2022	ETS/DI-123	71.6	37.1	10.7	19.4	1.00
4	19.12.2022	ETS/DI-124	75.9	35.9	11.6	20.2	1.13
5	23.12.2022	ETS/DI-125	72.2	34.7	10.9	21.1	1.79
6	26.12.2022	ETS/DI-126	70.2	35.1	9.1	20.2	1.68
7	30.12.2022	ETS/DI-127	75.3	35.6	9.9	19.6	1.71
8	01.01.2023	ETS/DI-128	72.3	32.6	9.1	18.4	1.14
9	05.01.2023	ETS/DI-129	68.2	31.8	11.7	17.7	1.00
10	09.01.2023	ETS/DI-130	68.7	28.7	10.9	19.3	0.93
11	12.01.2023	ETS/DI-131	71.2	28.8	10.0	17.8	1.70
12	15.01.2023	ETS/DI-132	68.3	31.3	9.3	20.1	0.85
13	19.01.2023	ETS/DI-133	67.3	33.7	10.6	18.5	1.62
14	22.01.2023	ETS/DI-134	69.6	36.0	10.9	19.3	0.88
15	28.01.2023	ETS/DI-135	72.3	36.2	9.1	20.4	1.27
16	31.01.2023	ETS/DI-136	70.6	35.4	9.7	17.6	1.67
17	04.02.2023	ETS/DI-137	68.8	35.8	10.8	18.4	0.92
18	08.02.2023	ETS/DI-138	68.0	37.2	11.7	17.7	2.01
19	11.02.2023	ETS/DI-139	73.7	35.4	12.2	19.6	0.87
20	14.02.2023	ETS/DI-140	67.8	37.0	10.9	17.5	1.76
21	19.02.2023	ETS/DI-141	68.7	35.5	11.9	19.8	0.91
22	23.02.2023	ETS/DI-142	71.4	36.5	10.7	18.6	0.87
23	27.02.2023	ETS/DI-143	70.3	32.4	11.9	17.7	1.64
24	04.03.2023	ETS/DI-144	73.3	31.1	11.0	19.0	0.83
		Minimum	67.3	28.7	9.1	16.7	0.80
		Maximum	75.9	37.2	12.2	21.1	2.01
		Average	71.0	34.4	10.6	18.8	1.26
		98 PERCENTILE	75.64	37.11	12.06	20.75	1.91

For ENVIRO-TECH SERVICES

End of Test Report

CHECKED BY
SHRADDHA GUPTA

AUTHORIZED SIGNATORY
Quality Manager

Format No ETS/LAB/TR-02, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

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TEST REPORT

TEST REPORT NO :ETS/8007/03/2023

DATE OF REPORT :10.03.2023

AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Name And Address of Customer : RIAN ENVIRO PRIVATE LIMITED
BHOJPUR CLUSTER PROJECT

Analysis Start Date : 10.12.2022

Analysis End Date : 05.03.2023

Sampling Done By : ETS STAFF

Sampling Location : POST OFFICE CHILHAR

Sampling Method : ETS/STP/AIR-01

Sampling Machine Placed At Height : 1.5 MTR. (FROM GROUND)

Weather Condition : CLEAR

Test Parameters			Particulate Matter(PM10)	Particulate Matter(PM2.5)	Sulphur Dioxide(SO2)	Nitrogen Dioxide(NO2)	Carbon Monoxide(CO)
Unit			µg/m3	µg/m3	µg/m3	µg/m3	mg/m3
Limit (as Per CPCB)			24 Hrs.=100	24 Hrs.=60	24 Hrs.=80	24 Hrs.=80	1 Hrs.=04
Test Method			IS 5182 (Part-23)	ETS/STP/AIR-03	IS: 5182 (Part-2)	IS: 5182 (Part-6)	IS 5182 (Part-10)
Sl. N.	Monitoring Date	Sample ID	Test Results				
1	07.12.2022	ETS/DI-145	58.1	35.6	8.6	15.5	0.87
2	10.12.2022	ETS/DI-146	66.4	36.2	8.0	13.9	1.26
3	12.12.2022	ETS/DI-147	64.4	37.2	9.5	17.8	1.41
4	15.12.2022	ETS/DI-148	67.3	36.1	10.0	18.5	0.97
5	19.12.2022	ETS/DI-149	64.8	34.9	10.8	19.4	1.91
6	22.12.2022	ETS/DI-150	63.0	35.3	9.5	18.0	1.55
7	26.12.2022	ETS/DI-151	67.6	35.9	10.3	18.8	1.44
8	30.12.2022	ETS/DI-152	64.8	32.9	9.5	19.2	1.16
9	03.01.2023	ETS/DI-153	61.5	32.2	10.4	16.7	1.13
10	06.01.2023	ETS/DI-154	61.7	29.2	9.6	16.9	0.72
11	10.01.2023	ETS/DI-155	64.0	29.3	9.8	17.9	1.59
12	13.01.2023	ETS/DI-156	61.6	31.6	9.4	18.8	1.19
13	17.01.2023	ETS/DI-157	60.5	34.0	8.8	19.2	1.84
14	20.01.2023	ETS/DI-158	62.6	36.2	9.6	18.8	0.87
15	23.01.2023	ETS/DI-159	64.9	36.4	9.5	19.2	1.41
16	27.01.2023	ETS/DI-160	63.4	35.7	10.5	16.0	1.05
17	03.02.2023	ETS/DI-161	61.8	36.0	10.5	17.0	1.09
18	07.02.2023	ETS/DI-162	61.0	37.4	9.5	16.5	1.70
19	10.02.2023	ETS/DI-163	66.2	35.7	11.3	17.1	1.41
20	13.02.2023	ETS/DI-164	60.9	37.1	11.2	19.2	0.99
21	17.02.2023	ETS/DI-165	61.7	35.8	9.6	18.8	1.41
22	20.02.2023	ETS/DI-166	64.2	36.6	9.8	15.6	1.73
23	26.02.2023	ETS/DI-167	63.1	32.7	9.5	17.8	1.52
24	03.03.2023	ETS/DI-168	65.8	31.4	9.5	18.0	0.72
		Minimum	**58.1**	**29.2**	**8.0**	**13.9**	**0.72**
		Maximum	**67.6**	**37.4**	**11.3**	**19.4**	**1.91**
		Average	**63.4**	**34.6**	**9.8**	**17.8**	**1.29**
		98 PERCENTILE	**67.48**	**37.30**	**11.23**	**19.34**	**1.88**

****End of Test Report****

CHECKED BY
SHRADDHA GUPTA

For ENVIRO-TECH SERVICES

AUTHORIZED SIGNATORY
RAJ
Quality Manager

Format No ETS/LAB/TR-02, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

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email : etslab2012@gmail.com | Website : www.etslab.in | Ph.: 9911516076, 9811736063

TEST REPORT

TEST REPORT NO :ETS/7008/03/2023

DATE OF REPORT :10.03.2023

AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Name And Address of Customer : RIAN ENVIRO PRIVATE LIMITED
BHOJPUR CLUSTER PROJECT

Analysis Start Date : 12.12.2022
Analysis End Date : 06.03.2023
Sampling Done By : ETS STAFF
Sampling Location : PINJROI
Sampling Method : ETS/STP/AIR-01
Sampling Machine Placed At Height : 1.5 MTR. (FROM GROUND)
Weather Condition : CLEAR

Test Parameters			Particulate Matter(PM10)	Particulate Matter(PM2.5)	Sulphur Dioxide(SO2)	Nitrogen Dioxide(NO2)	Carbon Monoxide(CO)
Unit			µg/m3	µg/m3	µg/m3	µg/m3	mg/m3
Limit (as Per CPCB)			24 Hrs.=100	24 Hrs.=60	24 Hrs.=80	24 Hrs.=80	1 Hrs.=04
Test Method			IS 5182 (Part-23)	ETS/STP/AIR-03	IS: 5182 (Part-2)	IS: 5182 (Part-6)	IS 5182 (Part-10)
Sl. N.	Monitoring Date	Sample ID	Test Results				
1	09.12.2022	ETS/DI-169	73.7	39.1	9.0	17.7	0.63
2	12.12.2022	ETS/DI-170	72.3	39.8	10.0	18.6	0.56
3	16.12.2022	ETS/DI-171	72.3	40.7	11.1	20.7	0.50
4	19.12.2022	ETS/DI-172	76.3	39.7	10.2	17.9	1.03
5	23.12.2022	ETS/DI-173	77.1	38.3	9.5	17.1	0.74
6	26.12.2022	ETS/DI-174	70.8	38.8	8.2	15.3	1.18
7	30.12.2022	ETS/DI-175	75.8	39.4	9.0	17.9	1.47
8	01.01.2023	ETS/DI-176	72.8	36.3	10.0	14.3	1.25
9	05.01.2023	ETS/DI-177	69.0	35.6	11.1	15.9	1.77
10	09.01.2023	ETS/DI-178	69.4	32.4	11.5	21.4	1.32
11	12.01.2023	ETS/DI-179	71.8	32.5	11.1	17.8	0.44
12	15.01.2023	ETS/DI-180	69.1	34.8	10.2	18.7	1.23
13	19.01.2023	ETS/DI-181	68.0	37.4	9.0	19.6	1.18
14	22.01.2023	ETS/DI-182	70.2	39.8	9.4	20.9	1.77
15	28.01.2023	ETS/DI-183	72.9	40.0	10.0	21.5	1.62
16	31.01.2023	ETS/DI-184	71.2	39.2	8.6	22.2	1.32
17	04.02.2023	ETS/DI-185	69.5	39.5	9.1	21.0	1.64
18	08.02.2023	ETS/DI-186	68.6	40.9	10.2	20.6	1.62
19	11.02.2023	ETS/DI-187	74.2	39.2	10.9	22.2	1.82
20	14.02.2023	ETS/DI-188	68.4	40.7	12.1	22.6	0.59
21	19.02.2023	ETS/DI-189	69.4	39.3	10.8	21.7	1.18
22	23.02.2023	ETS/DI-190	72.1	40.2	10.4	20.8	1.62
23	27.02.2023	ETS/DI-191	70.9	36.1	9.7	19.6	1.77
24	04.03.2023	ETS/DI-192	73.8	34.6	11.5	18.1	1.14
		Minimum	**68.0**	**32.4**	**8.2**	**14.3**	**0.44**
		Maximum	**77.1**	**40.9**	**12.1**	**22.6**	**1.82**
		Average	**71.7**	**38.1**	**10.1**	**19.3**	**1.22**
		98 PERCENTILE	**76.76**	**40.85**	**11.86**	**22.43**	**1.79**

****End of Test Report****

CHECKED BY
SHRADDHA GUPTA

For ENVIRO-TECH SERVICES

AUTHORIZED SIGNATORY
MD KUMRA
Quality Manage

Format No ETS/LAB/TR-02, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.

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TEST REPORT

TEST REPORT NO : ETS/8013/03/2023

DATE OF REPORT :10.03.2023

NOISE MONITORING REPORT

Name And Address of Customer	:	RIAN ENVIRO PRIVATE LIMITED BHOJPUR CLUSTER PROJECT
Date of Monitoring	:	18.02.2023
Monitoring Start Date	:	18.02.2023
Monitoring End Date	:	19.02.2023
Monitoring Done By	:	ETS STAFF
Monitoring Duration	:	24.0 HOURS
Place Of Monitoring	:	DEVI MANDIRBAGA MATHIYA
Category Of Area	:	SILENCE ZONE
Sampling Method	:	ETS/LAB/NOISE-01

S. No.	Test Parameters	Unit	Result	Ambient Noise Standards/Specification (CPCB)
1.	Noise Level Day Time	Leq :dB (A)	47.2	50
2.	Noise Level Night Time	Leq :dB (A)	36.3	40

Remark: Day time is reckoned in between 02.00 A.M. and 10.00 P.M.
Night time is reckoned in between 10.00 P.M. and 02.00 A.M.

****End of Test Report****

CHECKED BY
SHRADDHA GUPTA

For ENVIRO-TECH SERVICES

MD HUMRAJ
Quality Manager

AUTHORIZED SIGNATORY

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TEST REPORT

TEST REPORT NO : ETS/8014/03/2023

DATE OF REPORT :10.03.2023

NOISE MONITORING REPORT

Name And Address of Customer	:	RIAN ENVIRO PRIVATE LIMITED BHOJPUR CLUSTER PROJECT
Date of Monitoring	:	18.02.2023
Monitoring Start Date	:	18.02.2023
Monitoring End Date	:	19.02.2023
Monitoring Done By	:	ETS STAFF
Monitoring Duration	:	24.0 HOURS
Place Of Monitoring	:	UDAYPUR
Category Of Area	:	RESIDENTIAL AREA
Sampling Method	:	ETS/LAB/NOISE-01

S. No.	Test Parameters	Unit	Result	Ambient Noise Standards/Specification (CPCB)
1.	Noise Level Day Time	Leq :dB (A)	52.7	55
2.	Noise Level Night Time	Leq :dB (A)	40.2	45

Remark: Day time is reckoned in between 02.00 A.M. and 10.00 P.M.
Night time is reckoned in between 10.00 P.M. and 02.00 A.M.

****End of Test Report****

ENVIRO-TECH SERVICE ETS-LAB

For ENVIRO-TECH SERVICES

MD HUMRAJ
Quality Manager

CHECKED BY
SHRADDHA GUPTA

AUTHORIZED SIGNATORY

Note:-

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TEST REPORT

TEST REPORT NO : ETS/8015/03/2023

DATE OF REPORT : 10.03.2023

NOISE MONITORING REPORT

Name And Address of Customer	:	RIAN ENVIRO PRIVATE LIMITED BHOJPUR CLUSTER PROJECT
Date of Monitoring	:	20.02.2023
Monitoring Start Date	:	20.02.2023
Monitoring End Date	:	21.02.2023
Monitoring Done By	:	ETS STAFF
Monitoring Duration	:	24.0 HOURS
Place Of Monitoring	:	RANIPUR KURKURI
Category Of Area	:	RESIDENTIAL AREA
Sampling Method	:	ETS/LAB/NOISE-01

S. No.	Test Parameters	Unit	Result	Ambient Noise Standards/Specification (CPCB)
1.	Noise Level Day Time	Leq :dB (A)	48.3	55
2.	Noise Level Night Time	Leq :dB (A)	35.2	45

Remark: Day time is reckoned in between 02.00 A.M. and 10.00 P.M.
Night time is reckoned in between 10.00 P.M. and 02.00 A.M.

****End of Test Report****

CHECKED BY
SHRADDHA GUPTA

For ENVIRO-TECH SERVICES

AUTHORIZED SIGNATORY

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TEST REPORT

TEST REPORT NO : ETS/8016/03/2023

DATE OF REPORT : 10.03.2023

NOISE MONITORING REPORT

Name And Address of Customer	:	RIAN ENVIRO PRIVATE LIMITED BHOJPUR CLUSTER PROJECT
Date of Monitoring	:	20.02.2023
Monitoring Start Date	:	20.02.2023
Monitoring End Date	:	21.02.2023
Monitoring Done By	:	ETS STAFF
Monitoring Duration	:	24.0 HOURS
Place Of Monitoring	:	MOHABALIPUR
Category Of Area	:	RESIDENTIALAREA
Sampling Method	:	ETS/LAB/NOISE-01

S. No.	Test Parameters	Unit	Result	Ambient Noise Standards/Specification (CPCB)
1.	Noise Level Day Time	Leq :dB (A)	50.4	55
2.	Noise Level Night Time	Leq :dB (A)	34.6	45

Remark: Day time is reckoned in between 02.00 A.M. and 10.00 P.M.
Night time is reckoned in between 10.00 P.M. and 02.00 A.M.

****End of Test Report****

ENVIRO-TECH SERVICES ETS-LAB

CHECKED BY
SHRADDHA GUPTA

For ENVIRO-TECH SERVICES

MD HUMRAJ
Quality Manager
AUTHORIZED SIGNATORY

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TEST REPORT

TEST REPORT NO : ETS/8017/07/2023

DATE OF REPORT : 10.03.2023

NOISE MONITORING REPORT

Name And Address of Customer	:	RIAN ENVIRO PRIVATE LIMITED BHOJPUR CLUSTER PROJECT
Date of Monitoring	:	22.02.2023
Monitoring Start Date	:	22.02.2023
Monitoring End Date	:	23.02.2023
Monitoring Done By	:	ETS STAFF
Monitoring Duration	:	24.0 HOURS
Place Of Monitoring	:	GOV. MIDDLE SCHOOL BHERHARIYA ENGLISH
Category Of Area	:	SILENCE ZONE
Sampling Method	:	ETS/LAB/NOISE-01

S. No.	Test Parameters	Unit	Result	Ambient Noise Standards/Specification (CPCB)
1.	Noise Level Day Time	Leq :dB (A)	45.1	50
2.	Noise Level Night Time	Leq :dB (A)	33.8	40

Remark: Day time is reckoned in between 02.00 A.M. and 10.00 P.M.
Night time is reckoned in between 10.00 P.M. and 02.00 A.M.

****End of Test Report****

CHECKED BY
SHRADDHA GUPTA

For ENVIRO-TECH SERVICES

MD HUMRAJ
Quality Manager

AUTHORIZED SIGNATORY

Note:-

1. **Test report without ETS/LAB HOLOGRAM are not issued by our laboratory.**
2. **The results given herein are for the tested samples and listed applicable parameters.**
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4. **Our liability is limited to invoice value only.**
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ENVIRO-TECH SERVICES

An Analytical Laboratory

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email : etslab2012@gmail.com | Website : www.etslab.in | Ph.: 9911516076, 9811736063

TEST REPORT

TEST REPORT NO : ETS/8018/03/2023

DATE OF REPORT : 10.03.2023

NOISE MONITORING REPORT

Name And Address of Customer	:	RIAN ENVIRO PRIVATE LIMITED BHOJPUR CLUSTER PROJECT
Date of Monitoring	:	24.02.2023
Monitoring Start Date	:	24.02.2023
Monitoring End Date	:	25.02.2023
Monitoring Done By	:	ETS STAFF
Monitoring Duration	:	24.0 HOURS
Place Of Monitoring	:	GOVERNMENT SCHOOL KHANDOL
Category Of Area	:	SILENCE ZONE
Sampling Method	:	ETS/LAB/NOISE-01

S. No.	Test Parameters	Unit	Result	Ambient Noise Standards/Specification (CPCB)
1.	Noise Level Day Time	Leq :dB (A)	46.5	50
2.	Noise Level Night Time	Leq :dB (A)	38.7	40

Remark: Day time is reckoned in between 02.00 A.M. and 10.00 P.M.
Night time is reckoned in between 10.00 P.M. and 02.00 A.M.

****End of Test Report****

ENVIRO-TECH SERVICES

CHECKED BY
SHRADDHA GUPTA

For ENVIRO-TECH SERVICES

MD HUMRAJ
Quality Manager

AUTHORIZED SIGNATORY

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TEST REPORT

TEST REPORT NO : ETS/8019/03/2023

DATE OF REPORT : 10.03.2023

NOISE MONITORING REPORT

Name And Address of Customer	:	RIAN ENVIRO PRIVATE LIMITED BHOJPUR CLUSTER PROJECT
Date of Monitoring	:	24.02.2023
Monitoring Start Date	:	24.02.2023
Monitoring End Date	:	25.02.2023
Monitoring Done By	:	ETS STAFF
Monitoring Duration	:	24.0 HOURS
Place Of Monitoring	:	POST OFFICE CHILHAR
Category Of Area	:	RESIDENTIAL AREA
Sampling Method	:	ETS/LAB/NOISE-01

S. No.	Test Parameters	Unit	Result	Ambient Noise Standards/Specification (CPCB)
1.	Noise Level Day Time	Leq :dB (A)	51.1	55
2.	Noise Level Night Time	Leq :dB (A)	35.8	45

Remark: Day time is reckoned in between 02.00 A.M. and 10.00 P.M.
Night time is reckoned in between 10.00 P.M. and 02.00 A.M.

****End of Test Report****

CHECKED BY
SHRADDHA GUPTA

For ENVIRO-TECH SERVICES

RAJ HUMRAJ
Quality Manager
AUTHORIZED SIGNATORY

Note:-

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TEST REPORT

TEST REPORT NO : ETS/8020/03/2023

DATE OF REPORT : 10.03.2023

NOISE MONITORING REPORT

Name And Address of Customer	:	RIAN ENVIRO PRIVATE LIMITED BHOJPUR CLUSTER PROJECT
Date of Monitoring	:	24.02.2023
Monitoring Start Date	:	24.02.2023
Monitoring End Date	:	25.02.2023
Monitoring Done By	:	ETS STAFF
Monitoring Duration	:	24.0 HOURS
Place Of Monitoring	:	PINJROI
Category Of Area	:	RESIDENTIAL AREA
Sampling Method	:	ETS/LAB/NOISE-01

S. No.	Test Parameters	Unit	Result	Ambient Noise Standards/Specification (CPCB)
1.	Noise Level Day Time	Leq :dB (A)	47.2	55
2.	Noise Level Night Time	Leq :dB (A)	36.5	45

Remark: Day time is reckoned in between 02.00 A.M. and 10.00 P.M.
Night time is reckoned in between 10.00 P.M. and 02.00 A.M.

****End of Test Report****

CHECKED BY
SHRADDHA GUPTA

For ENVIRO-TECH SERVICES
MD HUMRAJ
Quality Manager
AUTHORIZED SIGNATORY

Note:-
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TEST REPORT

TEST REPORT NO : ETS/8008/02/2023

DATE OF REPORT :10-03-2023

WATERSAMPLE ANALYSIS REPORT

Name And Address of Customer	:	RIAN ENVIRO PRIVATE LIMITED BHOJPUR CLUSTER PROJECT
Date of Sampling	:	10-02-2023
Analysis Start Date	:	13-02-2023
Analysis End Date	:	16-02-2023
Sample ID No	:	8008
Sampling Done By	:	ETS STAFF
Sampling Description	:	GROUND WATER
Sampling Location	:	DEVI MANDIR BAGA MATHIYA
Sampling Method	:	ETS/STP/WATER-01
Sampling Quantity	:	2.0 +0.5 Lt.
Packing Condition	:	SEALED
Packed In	:	P.V.C. AND GLASS BOTTLE

S. No.	Test Parameters	Unit	Result	Drinking Water Standards / Limit (IS:10500 2012)		Test Method
				Desirable	Permissible	
1.	Colour	Hazen	<5.0	5	15	IS:3025 (Pt-4)
2.	Odour	---	Agreeable	Agreeable	Agreeable	IS:3025 (Pt-5)
3.	pH	---	7.88	6.5 - 8.5	No Relaxation	IS:3025 (Pt-11)
4.	Taste	---	Agreeable	Agreeable	Agreeable	IS:3025 (Pt-8)
5.	Turbidity	NTU	<1.0	1	5	IS:3025 (Pt-10)
6.	Total Dissolve Solid (TDS)	mg/L	548.4	500	2000	IS:3025 (Pt-16)
7.	Total Alkalinity ($CaCO_3$)	mg/L	177.7	200	600	IS:3025 (Pt-23)
8.	TotalHardness(CaCO3)	mg/L	268.5	200	600	IS:3025 (Pt-21)
9.	Chloride (Cl)	mg/L	131.9	250	1000	IS:3025 (Pt-32)
10.	Calcium (Ca)	mg/L	87.3	75	200	IS:3025 (Pt-40)
11.	Mineral Oil	mg/L	<0.01	0.5	No Relaxation	IS:3025 (Pt-39)
12.	Sulphate (SO_4)	mg/L	28.25	200	400	IS:3025 (Pt-24)
13.	Nitrate (NO_3)	mg/L	0.24	45	No Relaxation	IS:3025 (Pt-34)
14.	Fluoride (F)	mg/L	0.36	1	1.5	IS:3025 (Pt-60)
15.	Iron (Fe)	mg/L	0.14	0.3	No Relaxation	IS:3025 (Pt-53)
16.	Aluminium (Al)	mg/L	<0.02	0.03	0.2	APHA-3500 (B)
17.	Selenium (Se)	mg/L	<0.01	0.01	No. Relaxation	APHA-3113 (B)
18.	Cyanide (Cn)	mg/L	N.D	0.05	No. Relaxation	APHA-4500 (C)
19.	Copper(Cu)	mg/L	<0.04	0.05	1.5	APHA-3111(B)
20.	Magnesium (Mg)	mg/L	17.65	30	100	IS:3025 (Pt-45)
21.	Manganese(Mn)	mg/L	<0.1	0.1	0.3	APHA-3111(B)
22.	Zinc(Zn)	mg/L	0.33	5	15	APHA-3111 (B)
23.	Cadmium(Cd)	mg/L	<0.001	0.003	No. Relaxation	APHA-3111 (B)

For ENVIRO-TECH SERVICES

MD HUNRAJ
Quality Manager

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CHECKED BY
SHRADDHA GUPTA

AUTHORIZED SIGNATORY

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TEST REPORT

TEST REPORT NO : ETS/8008/02/2023

DATE OF REPORT :10-03-2023

WATERSAMPLE ANALYSIS REPORT

24.	Lead(Pb)	mg/L	<0.01	0.01	No. Relaxation	APHA-3111 (B)
25.	Mercury(Hg)	mg/L	<0.001	0.001	No. Relaxation	APHA-3112 (B)
26.	Nickel (Ni)	mg/L	<0.01	0.02	No. Relaxation	APHA-3111 (B)
27.	Arsenic(As)	mg/L	<0.01	0.01	0.05	APHA-3500 (B)
28.	Chromium (Cr+6)	mg/L	<0.01	0.05	No. Relaxation	APHA-3500 Cr-B
29.	Phenolic Compound (C6H5OH)	mg/L	<0.001	0.001	0.002	APHA-5530
30.	Conductivity (25 °C)	mhos/cm	689.5	Not Specified	Not Specified	APHA-2510
31.	E. Coli	Coli/100ml	Absent	Shall Not Be Detectable	---	IS:1622-1981
32.	Total Coliform	MPN/100ml	Absent	Shall Not Be Detectable	---	IS:1622-1981

****End of Test Report****

For ENVIRO-TECH SERVICES

ABHIMRAJ
Quality Manager

AUTHORIZED SIGNATORY

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CHECKED BY: SHRADDHA GUPTA

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TEST REPORT

TEST REPORT NO : ETS/8009/02/2023

DATE OF REPORT :10-03-2023

WATERSAMPLE ANALYSIS REPORT

Name And Address of Customer	:	RIAN ENVIRO PRIVATE LIMITED BHOJPUR CLUSTER PROJECT
Date of Sampling	:	10-02-2023
Analysis Start Date	:	13-02-2023
Analysis End Date	:	16-02-2023
Sample ID No	:	8009
Sampling Done By	:	ETS STAFF
Sampling Description	:	GROUND WATER
Sampling Location	:	UDAYPUR
Sampling Method	:	ETS/STP/WATER-01
Sampling Quantity	:	2.0 +0.5 Lt.
Packing Condition	:	SEALED
Packed In	:	P.V.C. AND GLASS BOTTLE

S. No.	Test Parameters	Unit	Result	Drinking Water Standards / Limit (IS:10500 2012)		Test Method
				Desirable	Permissible	
1.	Colour	Hazen	<5.0	5	15	IS:3025 (Pt-4)
2.	Odour	---	Agreeable	Agreeable	Agreeable	IS:3025 (Pt-5)
3.	pH	---	7.29	6.5 - 8.5	No Relaxation	IS:3025 (Pt-11)
4.	Taste	---	Agreeable	Agreeable	Agreeable	IS:3025 (Pt-8)
5.	Turbidity	NTU	<1.0	1	5	IS:3025 (Pt-10)
6.	Total Dissolve Solid (TDS)	mg/L	375.6	500	2000	IS:3025 (Pt-16)
7.	Total Alkalinity ($CaCO_3$)	mg/L	185.3	200	600	IS:3025 (Pt-23)
8.	TotalHardness(CaCO3)	mg/L	214.4	200	600	IS:3025 (Pt-21)
9.	Chloride (Cl)	mg/L	81.0	250	1000	IS:3025 (Pt-32)
10.	Calcium (Ca)	mg/L	46.7	75	200	IS:3025 (Pt-40)
11.	Mineral Oil	mg/L	<0.01	0.5	No Relaxation	IS:3025 (Pt-39)
12.	Sulphate (SO_4)	mg/L	27.54	200	400	IS:3025 (Pt-24)
13.	Nitrate (NO_3)	mg/L	0.12	45	No Relaxation	IS:3025 (Pt-34)
14.	Fluoride (F)	mg/L	0.36	1	1.5	IS:3025 (Pt-60)
15.	Iron (Fe)	mg/L	0.17	0.3	No Relaxation	IS:3025 (Pt-53)
16.	Aluminium (Al)	mg/L	<0.02	0.03	0.2	APHA-3500 (B)
17.	Selenium (Se)	mg/L	<0.01	0.01	No. Relaxation	APHA-3113 (B)
18.	Cyanide (Cn)	mg/L	N.D	0.05	No. Relaxation	APHA-4500 (C)
19.	Copper(Cu)	mg/L	<0.04	0.05	1.5	APHA-3111(B)
20.	Magnesium (Mg)	mg/L	20.62	30	100	IS:3025 (Pt-45)
21.	Manganese(Mn)	mg/L	<0.1	0.1	0.3	APHA-3111(B)
22.	Zinc(Zn)	mg/L	0.36	5	15	APHA-3111 (B)
23.	Cadmium(Cd)	mg/L	<0.001	0.003	No. Relaxation	APHA-3111 (B)

For ENVIRO-TECH SERVICES

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CHECKED BY
SHRADDHA GUPTA

MR. RUMRAJ
Quality Manager
AUTHORIZED SIGNATORY

ENVIRO-TECH SERVICES

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TEST REPORT

TEST REPORT NO : ETS/8009/02/2023

DATE OF REPORT :10-03-2023

WATERSAMPLE ANALYSIS REPORT

24.	Lead(Pb)	mg/L	<0.01	0.01	No. Relaxation	APHA-3111 (B)
25.	Mercury(Hg)	mg/L	<0.001	0.001	No. Relaxation	APHA-3112 (B)
26.	Nickel (Ni)	mg/L	<0.01	0.02	No. Relaxation	APHA-3111 (B)
27.	Arsenic(As)	mg/L	<0.01	0.01	0.05	APHA-3500 (B)
28.	Chromium (Cr+6)	mg/L	<0.01	0.05	No. Relaxation	APHA-3500 Cr-B
29.	Phenolic Compound (C6H5OH)	mg/L	<0.001	0.001	0.002	APHA-5530
30.	Conductivity (25 °C)	mhos/cm	460.0	Not Specified	Not Specified	APHA-2510
31.	E. Coli	Coli/100ml	Absent	Shall Not Be Detectable	---	IS:1622-1981
32.	Total Coliform	MPN/100ml	Absent	Shall Not Be Detectable	---	IS:1622-1981

****End of Test Report****

For ENVIRO-TECH SERVICES

SHRADDHA GUPTA

CHECKED BY

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TEST REPORT

TEST REPORT NO : ETS/8010/02/2023 DATE OF REPORT :10-03-2023

WATERSAMPLE ANALYSIS REPORT

Name And Address of Customer	:	RIAN ENVIRO PRIVATE LIMITED BHOJPUR CLUSTER PROJECT
Date of Sampling	:	15-02-2023
Analysis Start Date	:	17-02-2023
Analysis End Date	:	20-02-2023
Sample ID No	:	8010
Sampling Done By	:	ETS STAFF
Sampling Description	:	GROUND WATER
Sampling Location	:	RANIPUR KURKURI
Sampling Method	:	ETS/STP/WATER-01
Sampling Quantity	:	2.0 +0.5 Lt.
Packing Condition	:	SEALED
Packed In	:	P.V.C. AND GLASS BOTTLE

S. No.	Test Parameters	Unit	Result	Drinking Water Standards / Limit (IS:10500 2012)		Test Method
				Desirable	Permissible	
1.	Colour	Hazen	<5.0	5	15	IS:3025 (Pt-4)
2.	Odour	---	Agreeable	Agreeable	Agreeable	IS:3025 (Pt-5)
3.	pH	---	7.58	6.5 - 8.5	No Relaxation	IS:3025 (Pt-11)
4.	Taste	---	Agreeable	Agreeable	Agreeable	IS:3025 (Pt-8)
5.	Turbidity	NTU	<1.0	1	5	IS:3025 (Pt-10)
6.	Total Dissolve Solid (TDS)	mg/L	216.2	500	2000	IS:3025 (Pt-16)
7.	Total Alkalinity ($CaCO_3$)	mg/L	177.9	200	600	IS:3025 (Pt-23)
8.	TotalHardness(CaCO3)	mg/L	203.7	200	600	IS:3025 (Pt-21)
9.	Chloride (Cl)	mg/L	101.9	250	1000	IS:3025 (Pt-32)
10.	Calcium (Ca)	mg/L	49.8	75	200	IS:3025 (Pt-40)
11.	Mineral Oil	mg/L	<0.01	0.5	No Relaxation	IS:3025 (Pt-39)
12.	Sulphate (SO_4)	mg/L	27.24	200	400	IS:3025 (Pt-24)
13.	Nitrate (NO_3)	mg/L	0.84	45	No Relaxation	IS:3025 (Pt-34)
14.	Fluoride (F)	mg/L	0.07	1	1.5	IS:3025 (Pt-60)
15.	Iron (Fe)	mg/L	0.18	0.3	No Relaxation	IS:3025 (Pt-53)
16.	Aluminium (Al)	mg/L	<0.02	0.03	0.2	APHA-3500 (B)
17.	Selenium (Se)	mg/L	<0.01	0.01	No. Relaxation	APHA-3113 (B)
18.	Cyanide (Cn)	mg/L	N.D	0.05	No. Relaxation	APHA-4500 (C)
19.	Copper(Cu)	mg/L	<0.04	0.05	1.5	APHA-3111(B)
20.	Magnesium (Mg)	mg/L	15.20	30	100	IS:3025 (Pt-45)
21.	Manganese(Mn)	mg/L	<0.1	0.1	0.3	APHA-3111(B)
22.	Zinc(Zn)	mg/L	0.22	5	15	APHA-3111 (B)
23.	Cadmium(Cd)	mg/L	<0.001	0.003	No. Relaxation	APHA-3111 (B)

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For ENVIRO-TECH SERVICES

CHECKED BY
SHRADDHA GUPTA

AUTHORIZED SIGNATORY
(Quality Manager)

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TEST REPORT

TEST REPORT NO : ETS/8010/02/2023

DATE OF REPORT :10-03-2023

WATERSAMPLE ANALYSIS REPORT

24.	Lead(Pb)	mg/L	<0.01	0.01	No. Relaxation	APHA-3111 (B)
25.	Mercury(Hg)	mg/L	<0.001	0.001	No. Relaxation	APHA-3112 (B)
26.	Nickel (Ni)	mg/L	<0.01	0.02	No. Relaxation	APHA-3111 (B)
27.	Arsenic(As)	mg/L	<0.01	0.01	0.05	APHA-3500 (B)
28.	Chromium (Cr+6)	mg/L	<0.01	0.05	No. Relaxation	APHA-3500 Cr-B
29.	Phenolic Compound (C6H5OH)	mg/L	<0.001	0.001	0.002	APHA-5530
30.	Conductivity (25 °C)	mhos/cm	379.6	Not Specified	Not Specified	APHA-2510
31.	E. Coli	Coli/100ml	Absent	Shall Not Be Detectable	---	IS:1622-1981
32.	Total Coliform	MPN/100ml	Absent	Shall Not Be Detectable	---	IS:1622-1981

****End of Test Report****

CHECKED BY

For ENVIRO-TECH SERVICES

M.D HUMRAJ
Quality Manager

AUTHORIZED SIGNATORY

Note:

1. Test reports without ETS LAB HOLOGRAM are not issued by our laboratory.
2. The results indicated only refer to the tested samples and listed applicable parameters.
3. No complaint will be entertained if received after 7 days of issue of test report.
4. Our liability is limited to invoice value only.
5. The sample will be disposed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.
6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

ENVIRO-TECH SERVICES

An Analytical Laboratory

ETS-LAB

ISO 45001

(A GOVERNMENT APPROVED LAB)

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email : etslab2012@gmail.com | Website : www.etslab.in | Ph.: 9911516076, 9811736063

TEST REPORT

TEST REPORT NO : ETS/8011/02/2023

DATE OF REPORT : 10-03-2023

WATER SAMPLE ANALYSIS REPORT

Name And Address of Customer	:	RIAN ENVIRO PRIVATE LIMITED BHOJPUR CLUSTER PROJECT
Date of Sampling	:	20-02-2023
Analysis Start Date	:	23-02-2023
Analysis End Date	:	26-02-2023
Sample ID No	:	8011
Sampling Done By	:	ETS STAFF
Sampling Description	:	GROUND WATER
Sampling Location	:	MOHABALIPUR
Sampling Method	:	ETS/STP/WATER-01
Sampling Quantity	:	2.0 +0.5 Lt.
Packing Condition	:	SEALED
Packed In	:	P.V.C. AND GLASS BOTTLE

S. No.	Test Parameters	Unit	Result	Drinking Water Standards / Limit (IS:10500 2012)		Test Method
				Desirable	Permissible	
1.	Colour	Hazen	<5.0	5	15	IS:3025 (Pt-4)
2.	Odour	---	Agreeable	Agreeable	Agreeable	IS:3025 (Pt-5)
3.	pH	---	7.49	6.5 - 8.5	No Relaxation	IS:3025 (Pt-11)
4.	Taste	---	Agreeable	Agreeable	Agreeable	IS:3025 (Pt-8)
5.	Turbidity	NTU	<1.0	1	5	IS:3025 (Pt-10)
6.	Total Dissolve Solid (TDS)	mg/L	350.3	500	2000	IS:3025 (Pt-16)
7.	Total Alkalinity ($CaCO_3$)	mg/L	133.8	200	600	IS:3025 (Pt-23)
8.	TotalHardness(CaCO3)	mg/L	175.6	200	600	IS:3025 (Pt-21)
9.	Chloride (Cl)	mg/L	89.8	250	1000	IS:3025 (Pt-32)
10.	Calcium (Ca)	mg/L	74.4	75	200	IS:3025 (Pt-40)
11.	Mineral Oil	mg/L	<0.01	0.5	No Relaxation	IS:3025 (Pt-39)
12.	Sulphate (SO_4)	mg/L	22.80	200	400	IS:3025 (Pt-24)
13.	Nitrate (NO_3)	mg/L	1.58	45	No Relaxation	IS:3025 (Pt-34)
14.	Fluoride (F)	mg/L	0.06	1	1.5	IS:3025 (Pt-60)
15.	Iron (Fe)	mg/L	0.17	0.3	No Relaxation	IS:3025 (Pt-53)
16.	Aluminium (Al)	mg/L	<0.02	0.03	0.2	APHA-3500 (B)
17.	Selenium (Se)	mg/L	<0.01	0.01	No. Relaxation	APHA-3113 (B)
18.	Cyanide (Cn)	mg/L	N.D	0.05	No. Relaxation	APHA-4500 (C)
19.	Copper(Cu)	mg/L	<0.04	0.05	1.5	APHA-3111(B)
20.	Magnesium (Mg)	mg/L	17.92	30	100	IS:3025 (Pt-45)
21.	Manganese(Mn)	mg/L	<0.1	0.1	0.3	APHA-3111(B)
22.	Zinc(Zn)	mg/L	0.14	5	15	APHA-3111 (B)
23.	Cadmium(Cd)	mg/L	<0.001	0.003	No. Relaxation	APHA-3111 (B)

Note:-

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2. The results indicated only refer to the tested samples and listed applicable parameters.
3. No complaint will be entertained if received after 7 days of issue of test report.
4. Our liability is limited to invoice value only.
5. The sample will be disposed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of this report.
6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

For ENVIRO-TECH SERVICES

CHECKED BY
SHRADDHA GUPTA

AUTHORIZED SIGNATORY
MD HUMRAJ
Laboratory Manager

ENVIRO-TECH SERVICES

An Analytical Laboratory

ETS-LAB

ISO 45001

(A GOVERNMENT APPROVED LAB)

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email : etslab2012@gmail.com | Website : www.etslab.in | Ph.: 9911516076, 9811736063

TEST REPORT

TEST REPORT NO : ETS/8011/02/2023 DATE OF REPORT : 10-03-2023

WATER SAMPLE ANALYSIS REPORT

24.	Lead(Pb)	mg/L	<0.01	0.01	No. Relaxation	APHA-3111 (B)
25.	Mercury(Hg)	mg/L	<0.001	0.001	No. Relaxation	APHA-3112 (B)
26.	Nickel (Ni)	mg/L	<0.01	0.02	No. Relaxation	APHA-3111 (B)
27.	Arsenic(As)	mg/L	<0.01	0.01	0.05	APHA-3500 (B)
28.	Chromium (Cr+6)	mg/L	<0.01	0.05	No. Relaxation	APHA-3500 Cr-B
29.	Phenolic Compound (C6H5OH)	mg/L	<0.001	0.001	0.002	APHA-5530
30.	Conductivity (25 °C)	mhos/cm	509.4	Not Specified	Not Specified	APHA-2510
31.	E. Coli	Coli/100ml	Absent	Shall Not Be Detectable	---	IS:1622-1981
32.	Total Coliform	MPN/100ml	Absent	Shall Not Be Detectable	---	IS:1622-1981

****End of Test Report****

Note:-

1. Test reports without ETS LAB HOLOGRAM are not issued by our laboratory.
2. The results indicated only refer to the tested samples and listed applicable parameters.
3. No complaint will be entertained if received after 7 days of issue of test report.
4. Our liability is limited to invoice value only.
5. Chemical sample shall be damaged after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of the report.
6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

For ENVIRO-TECH SERVICES

MD HUMRAJ
Quality Manager

CHECKED BY
SHRADDHA GUPTA

AUTHORIZED SIGNATORY

Format No ETS/LAB/TR-02, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

ENVIRO-TECH SERVICES

An Analytical Laboratory

ETS-LAB

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TEST REPORT

TEST REPORT NO : ETS/8012/02/2023 DATE OF REPORT : 10-03-2023

WATER SAMPLE ANALYSIS REPORT

Name And Address of Customer	:	RIAN ENVIRO PRIVATE LIMITED BHOJPUR CLUSTER PROJECT
Date of Sampling	:	20-02-2023
Analysis Start Date	:	23-02-2023
Analysis End Date	:	26-02-2023
Sample ID No	:	8012
Sampling Done By	:	ETS STAFF
Sampling Description	:	GROUND WATER
Sampling Location	:	GOV.MIDDLE SCHOOL BHERHARIYA ENGLISH
Sampling Method	:	ETS/STP/WATER-01
Sampling Quantity	:	2.0 +0.5 Lt.
Packing Condition	:	SEALED
Packed In	:	P.V.C. AND GLASS BOTTLE

S. No.	Test Parameters	Unit	Result	Drinking Water Standards / Limit (IS:10500 2012)		Test Method
				Desirable	Permissible	
1.	Colour	Hazen	<5.0	5	15	IS:3025 (Pt-4)
2.	Odour	---	Agreeable	Agreeable	Agreeable	IS:3025 (Pt-5)
3.	pH	---	7.14	6.5 - 8.5	No Relaxation	IS:3025 (Pt-11)
4.	Taste	---	Agreeable	Agreeable	Agreeable	IS:3025 (Pt-8)
5.	Turbidity	NTU	<1.0	1	5	IS:3025 (Pt-10)
6.	Total Dissolve Solid (TDS)	mg/L	455.1	500	2000	IS:3025 (Pt-16)
7.	Total Alkalinity ($CaCO_3$)	mg/L	183.0	200	600	IS:3025 (Pt-23)
8.	TotalHardness(CaCO3)	mg/L	195.9	200	600	IS:3025 (Pt-21)
9.	Chloride (Cl)	mg/L	77.5	250	1000	IS:3025 (Pt-32)
10.	Calcium (Ca)	mg/L	45.5	75	200	IS:3025 (Pt-40)
11.	Mineral Oil	mg/L	<0.01	0.5	No Relaxation	IS:3025 (Pt-39)
12.	Sulphate (SO_4)	mg/L	18.57	200	400	IS:3025 (Pt-24)
13.	Nitrate (NO_3)	mg/L	2.50	45	No Relaxation	IS:3025 (Pt-34)
14.	Fluoride (F)	mg/L	0.25	1	1.5	IS:3025 (Pt-60)
15.	Iron (Fe)	mg/L	0.10	0.3	No Relaxation	IS:3025 (Pt-53)
16.	Aluminium (Al)	mg/L	<0.02	0.03	0.2	APHA-3500 (B)
17.	Selenium (Se)	mg/L	<0.01	0.01	No. Relaxation	APHA-3113 (B)
18.	Cyanide (Cn)	mg/L	N.D	0.05	No. Relaxation	APHA-4500 (C)
19.	Copper(Cu)	mg/L	<0.04	0.05	1.5	APHA-3111(B)
20.	Magnesium (Mg)	mg/L	20.91	30	100	IS:3025 (Pt-45)
21.	Manganese(Mn)	mg/L	<0.1	0.1	0.3	APHA-3111(B)
22.	Zinc(Zn)	mg/L	0.26	5	15	APHA-3111 (B)
23.	Cadmium(Cd)	mg/L	<0.001	0.003	No. Relaxation	APHA-3111 (B)

Note:-

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2. The results indicated only refer to the tested samples and listed applicable parameters.
3. No complaint will be entertained if received after 7 days of issue of test report.
4. Our liability is limited to invoice value only.
5. The sample will be disposed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.
6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

For ENVIRO-TECH SERVICES

CHECKED BY
SHRADDHA GUPTA

MD HUMRAJ
Lab Manager
AUTHORIZED SIGNATORY

ETS-LAB

ENVIRO-TECH SERVICES

An Analytical Laboratory

ISO 45001

(A GOVERNMENT APPROVED LAB)

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TEST REPORT

TEST REPORT NO : ETS/8012/02/2023 DATE OF REPORT : 10-03-2023

WATER SAMPLE ANALYSIS REPORT

24.	Lead(Pb)	mg/L	<0.01	0.01	No. Relaxation	APHA-3111 (B)
25.	Mercury(Hg)	mg/L	<0.001	0.001	No. Relaxation	APHA-3112 (B)
26.	Nickel (Ni)	mg/L	<0.01	0.02	No. Relaxation	APHA-3111 (B)
27.	Arsenic(As)	mg/L	<0.01	0.01	0.05	APHA-3500 (B)
28.	Chromium (Cr+6)	mg/L	<0.01	0.05	No. Relaxation	APHA-3500 Cr-B
29.	Phenolic Compound (C6H5OH)	mg/L	<0.001	0.001	0.002	APHA-5530
30.	Conductivity (25 °C)	mhos/cm	535.6	Not Specified	Not Specified	APHA-2510
31.	E. Coli	Coli/100ml	Absent	Shall Not Be Detectable	---	IS:1622-1981
32.	Total Coliform	MPN/100ml	Absent	Shall Not Be Detectable	---	IS:1622-1981

****End of Test Report****

For ENVIRO-TECH SERVICES

MD HUMRAJ
Quality Manager

CHECKED BY
SHRADDHA GUPTA

AUTHORIZED SIGNATORY

Note:-

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3. **No complaint will be entertained if received after 7 days of issue of test report.**
4. **Our liability is limited to invoice value only.**
5. **The [illegible] after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.**
6. **This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.**

ENVIRO-TECH SERVICES

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ISO 45001

TEST REPORT

TEST REPORT NO : ETS/8021/03/2023 DATE OF REPORT :10-03-2023

SOILSAMPLE ANALYSIS REPORT

Name And Address of Customer	:	RIAN ENVIRO PRIVATE LIMITED BHOJPUR CLUSTER PROJECT
Date of Sampling	:	20-02-2023
Analysis Start Date	:	23-02-2023
Analysis End Date	:	25-02-2023
Sample ID No	:	8021
Sampling Done By	:	ETS STAFF
Sampling& Testing Method	:	ETS/LAB/SOIL-01
Sampling Location	:	AGRICULTURE LAND NEAR DEVI MANDIR BAGA MATHIYA
Sampling Quantity	:	2 kg.
Packing Condition	:	SEALED
Packed In	:	ZIP POLLY BAG

S. No.	Test Parameters	Unit	Result	Test Method
1.	Texture	...	Sandy Clay Loam	IS:2720 (Pt-4)
2.	Sand	%	63.1	IS:2720 (Pt-4)
3.	Silt	%	20.6	IS:2720 (Pt-4)
4.	Clay	%	16.3	IS:2720 (Pt-4)
5.	pH (1:2 Suspension)	..	7.41	IS:2720 (Pt-26)
6.	Sodium Absorption Ratio (SAR)*	%	1.62	ETS/STP/SOIL-16
7.	Electrical Conductivity (1:2)	µmho/cm	332.8	IS:14767
8.	Water Holding Capacity(WHC)	%	34.4	IS 2720 (Part-2)
9.	Sodium (Na)	mg/kg	147.6	APHA-3125B
10.	Calcium (Ca)	mg/kg	1059.8	IS 2720 (Part-23)
11.	Magnesium (Mg)	mg/kg	525.5	ETS/STP/SOIL-08
12.	Bulk Density	g/cm^3	1.33	IS 2386 (Part-4)
13.	Total Nitrogen (N)	mg/kg	176.9	APHA,Pt 4500:(N)
14.	Phosphorus (PO4)	mg/kg	40.4	ETS/STP/SOIL-19
15.	Potassium (K)	mg/kg	250.0	APHA-3125B
16.	Organic Matter	%	1.05	IS : 2720 (P-22)
17.	Organic Carbon	%	1.81	BS 1377 -3)
18.	Sulphate as (SO_4)	mg/kg	1.33	IS:3025(P-24)
19.	Porosity	%	30.9	IS 13030
20.	Arsenic	mg/kg	<0.01	ETS/STP/SOIL-18
21.	Fluoride	mg/kg	1.90	ASTM 9214

****End of Test Report****

For ENVIRO-TECH SERVICES

CHECKED BY
SHRADDHA GUPTA

MD HUMRAJ
Deputy Manager
AUTHORIZED SIGNATORY

Notes:

1. Test reports without **ETS LAB HOLOGRAM** are not issued by our laboratory.
2. The results of this report relate only to the tested samples and listed applicable parameters.
3. No complaints will be entertained if received after 7 days of issue of test report.
4. Our liability is limited to invoice value only.
5. The sample shall be destroyed after 15 days. Retained samples, if any, will be disposed off on 01.04.2016. (Format No. ETS/LAB/F-02 Issue No. 05 Dated 01.04.2016 Amend No. 04 Date 01.04.2019)
6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

ENVIRO-TECH SERVICES

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TEST REPORT

TEST REPORT NO : ETS/8022/03/2023 DATE OF REPORT :10-03-2023

SOIL SAMPLE ANALYSIS REPORT

Name And Address of Customer	:	RIAN ENVIRO PRIVATE LIMITED BHOJPUR CLUSTER PROJECT
Date of Sampling	:	20-02-2023
Analysis Start Date	:	23-02-2023
Analysis End Date	:	25-02-2023
Sample ID No	:	ETS/SL-000
Sampling Done By	:	ETS STAFF
Sampling& Testing Method	:	ETS/LAB/SOIL-01
Sampling Location	:	AGRICULTURE LAND RANIPUR KURKURI
Sampling Quantity	:	2 kg.
Packing Condition	:	SEALED
Packed In	:	ZIP POLLY BAG

S. No.	Test Parameters	Unit	Result	Test Method
1.	Texture	...	Sandy Clay Loam	IS:2720 (Pt-4)
2.	Sand	%	60.2	IS:2720 (Pt-4)
3.	Silt	%	25.5	IS:2720 (Pt-4)
4.	Clay	%	24.3	IS:2720 (Pt-4)
5.	pH (1:2 Suspension)	..	8.09	IS:2720 (Pt-26)
6.	Sodium Absorption Ratio (SAR)*	%	2.14	ETS/STP/SOIL-16
7.	Electrical Conductivity (1:2)	µmho/cm	342.4	IS:14767
8.	Water Holding Capacity(WHC)	%	36.3	IS 2720 (Part-2)
9.	Sodium (Na)	mg/kg	150.3	APHA-3125B
10.	Calcium (Ca)	mg/kg	969.2	IS 2720 (Part-23)
11.	Magnesium (Mg)	mg/kg	536.8	ETS/STP/SOIL-08
12.	Bulk Density	g/cm^3	1.43	IS 2386 (Part-4)
13.	Total Nitrogen (N)	mg/kg	138.9	APHA,Pt 4500:(N)
14.	Phosphorus (PO4)	mg/kg	49.6	ETS/STP/SOIL-19
15.	Potassium (K)	mg/kg	248.7	APHA-3125B
16.	Organic Matter	%	1.05	IS : 2720 (P-22)
17.	Organic Carbon	%	1.71	BS 1377 -3)
18.	Sulphate as (SO_4)	mg/kg	2.09	IS:3025(P-24)
19.	Porosity	%	26.0	IS 13030
20.	Arsenic	mg/kg	<0.01	ETS/STP/SOIL-18
21.	Fluoride	mg/kg	1.24	ASTM 9214

****End of Test Report****

CHECKED BY
SHRADDHA GUPTA

For ENVIRO-TECH SERVICES

AUTHORIZED SIGNATORY
JAI KISHORAJ
Quality Manager

Note:-
1. Test reports without ETS LAB HOLOGRAM are not issued by our laboratory.
2. The results relate only to the tested samples and listed applicable parameters.
3. No complaints will be entertained if received after 7 days of issue of test report.
4. Our liability is limited to invoice value only.
5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.
6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

ENVIRO-TECH SERVICES

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TEST REPORT

TEST REPORT NO : ETS/8023/03/2023 DATE OF REPORT :10-03-2023

SOIL SAMPLE ANALYSIS REPORT

Name And Address of Customer : RIAN ENVIRO PRIVATE LIMITED
BHOJPUR CLUSTER PROJECT

Date of Sampling : 20-02-2023
Analysis Start Date : 23-02-2023
Analysis End Date : 25-02-2023
Sample ID No : ETS/SL-000
Sampling Done By : ETS STAFF
Sampling& Testing Method : ETS/LAB/SOIL-01
Sampling Location : AGRICULTURE LAND NEAR GOVERNMENT SCHOOL KHANDOL
Sampling Quantity : 2 kg.
Packing Condition : SEALED
Packed In : ZIP POLLY BAG

S. No.	Test Parameters	Unit	Result	Test Method
1.	Texture	...	Sandy Clay Loam	IS:2720 (Pt-4)
2.	Sand	%	58.3	IS:2720 (Pt-4)
3.	Silt	%	26.3	IS:2720 (Pt-4)
4.	Clay	%	15.4	IS:2720 (Pt-4)
5.	pH (1:2 Suspension)	..	7.89	IS:2720 (Pt-26)
6.	Sodium Absorption Ratio (SAR)*	%	1.44	ETS/STP/SOIL-16
7.	Electrical Conductivity (1:2)	µmho/cm	332.7	IS:14767
8.	Water Holding Capacity(WHC)	%	39.2	IS 2720 (Part-2)
9.	Sodium (Na)	mg/kg	170.6	APHA-3125B
10.	Calcium (Ca)	mg/kg	1157.6	IS 2720 (Part-23)
11.	Magnesium (Mg)	mg/kg	477.5	ETS/STP/SOIL-08
12.	Bulk Density	g/cm^3	1.14	IS 2386 (Part-4)
13.	Total Nitrogen (N)	mg/kg	177.0	APHA,Pt 4500:(N)
14.	Phosphorus (PO4)	mg/kg	52.8	ETS/STP/SOIL-19
15.	Potassium (K)	mg/kg	302.2	APHA-3125B
16.	Organic Matter	%	0.86	IS : 2720 (P-22)
17.	Organic Carbon	%	1.64	BS 1377 -3)
18.	Sulphate as (SO_4)	mg/kg	1.43	IS:3025(P-24)
19.	Porosity	%	23.8	IS 13030
20.	Arsenic	mg/kg	<0.01	ETS/STP/SOIL-18
21.	Fluoride	mg/kg	0.79	ASTM 9214

****End of Test Report****

ENVIRO-TECH SERVICE

CHECKED BY
BHRADDHA GUPTA

For ENVIRO-TECH SERVICES
MD RAJ
Quality Manager
AUTHORIZED SIGNATORY

Note:-
1. Test reports without ETS LAB HOLOGRAM are not issued by our laboratory.
2. The results for tested only refer to the tested samples and listed applicable parameters.
3. No complaint will be entertained if received after 7 days of issue of test report.
4. Our liability is limited to invoice value only.
5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after date of test report.
6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

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TEST REPORT

TEST REPORT NO : ETS/8024/03/2023 DATE OF REPORT :10-03-2023

SOIL SAMPLE ANALYSIS REPORT

Name And Address of Customer	:	RIAN ENVIRO PRIVATE LIMITED BHOJPUR CLUSTER PROJECT
Date of Sampling	:	20-02-2023
Analysis Start Date	:	23-02-2023
Analysis End Date	:	25-02-2023
Sample ID No	:	ETS/SL-000
Sampling Done By	:	ETS STAFF
Sampling& Testing Method	:	ETS/LAB/SOIL-01
Sampling Location	:	AGRICULTURE LAND MOHABALIPUR
Sampling Quantity	:	2.0 kg.
Packing Condition	:	SEALED
Packed In	:	ZIP POLLY BAG

S. No.	Test Parameters	Unit	Result	Test Method
1.	Texture	---	Sandy Clay Loam	IS:2720 (Pt-4)
2.	Sand	%	56.1	IS:2720 (Pt-4)
3.	Silt	%	32.3	IS:2720 (Pt-4)
4.	Clay	%	11.6	IS:2720 (Pt-4)
5.	pH (1:2 Suspension)	..	7.67	IS:2720 (Pt-26)
6.	Sodium Absorption Ratio (SAR)*	%	1.02	ETS/STP/SOIL-16
7.	Electrical Conductivity (1:2)	µmho/cm	325.6	IS:14767
8.	Water Holding Capacity(WHC)	%	40.1	IS 2720 (Part-2)
9.	Sodium (Na)	mg/kg	131.7	APHA-3125B
10.	Calcium (Ca)	mg/kg	1212.6	IS 2720 (Part-23)
11.	Magnesium (Mg)	mg/kg	520.7	ETS/STP/SOIL-08
12.	Bulk Density	g/cm^3	1.91	IS 2386 (Part-4)
13.	Total Nitrogen (N)	mg/kg	208.3	APHA,Pt 4500:(N)
14.	Phosphorus (PO4)	mg/kg	46.9	ETS/STP/SOIL-19
15.	Potassium (K)	mg/kg	245.1	APHA-3125B
16.	Organic Matter	%	1.78	IS : 2720 (P-22)
17.	Organic Carbon	%	1.16	BS 1377 -3)
18.	Sulphate as (SO_4)	mg/kg	1.27	IS:3025(P-24)
19.	Porosity	%	22.6	IS 13030
20.	Arsenic	mg/kg	<0.01	ETS/STP/SOIL-18
21.	Fluoride	mg/kg	1.14	ASTM 9214

****End of Test Report****

CHECKED BY: SHRADDHA GUPTA

For ENVIRO-TECH SERVICES

MD HUMRAJ
Quality Manager

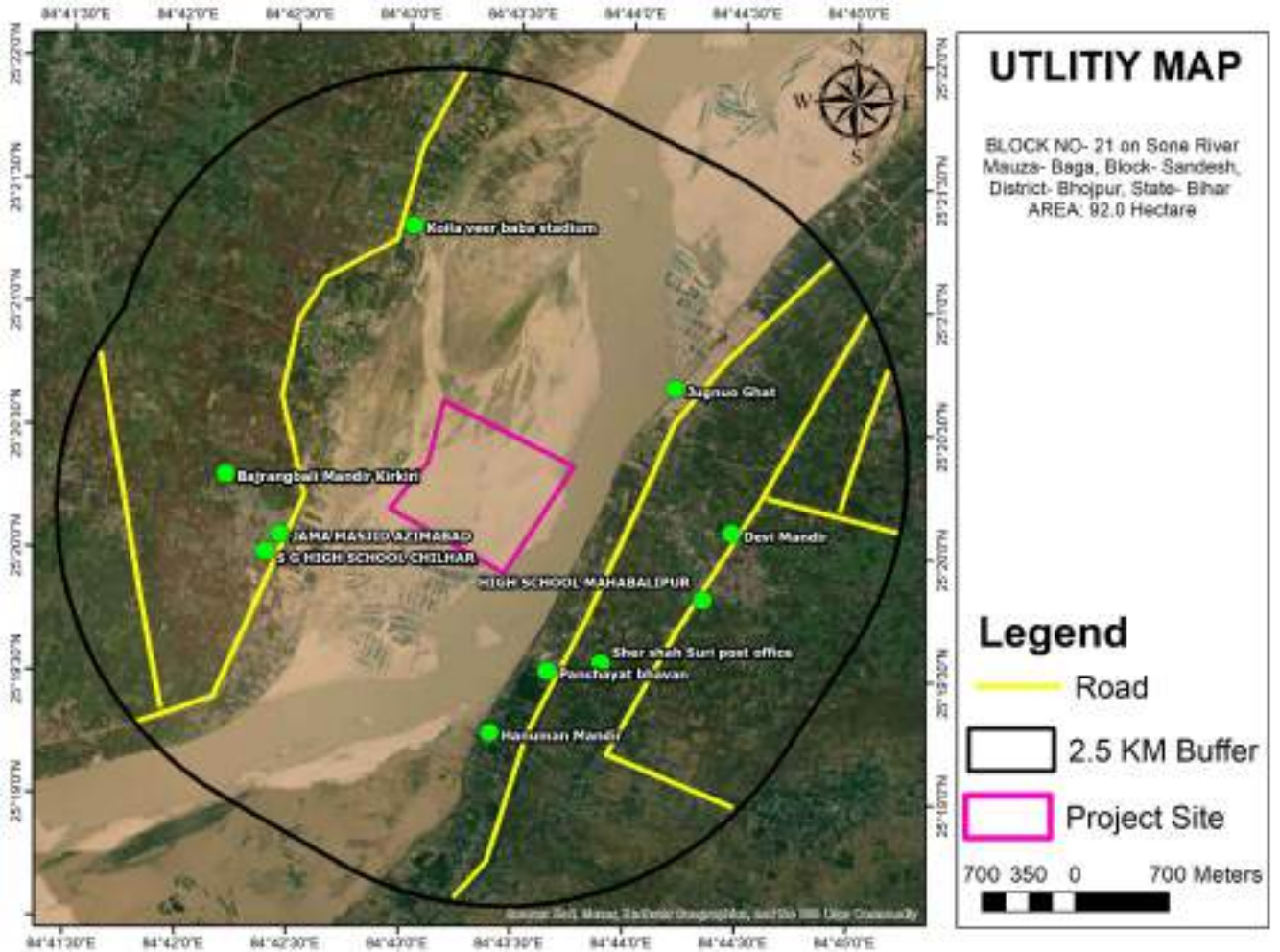
AUTHORIZED SIGNATORY

Note:-

1. Test reports without ETS LAB HOLOGRAM are not issued by our laboratory.
2. The results given herein refer to the tested samples and listed applicable parameters.
3. No complaints will be entertained if received after 7 days of issue of test report.
4. Our liability is limited to invoice value only.
5. The sample shall be destroyed after 15 days. Biological/Perishable samples shall be destroyed immediately after issue of test report.
6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

Annexure –VIII

(2.5 Km Map showing Public Utility)


UTLITIY MAP
BLOCK NO- 21 on Sone River
Mauza- Baga, Block- Sandesh,
District- Bhojpur, State- Bihar
AREA: 92.0 Hectare
Kolla veer baba stadium
Jugnuo Ghat
Bajrangbali Mandir,Kirkiri
JAMA MASJID AZIMABAD
S G HIGH SCHOOL CHILHAR
HIGH SCHOOL MAHABALIPUR
Devi Mandir
Sher shah Suri post office
Panchayat bhavan
Hanuman Mandir
Legend
Road
2.5 KM Buffer
Project Site
700 350 0 700 Meters

Annexure –IX

(Questionnaire)

PROFORMA FOR ENVIRONMENTAL APPRAISAL OF MINING PROJECTS

(MINING SECTOR PROJECTS)

Note 1: All information to be given in the form of Annex/s should be properly numbered and form part of reply to this Performa.

Note 2: Please enter √ in appropriate box where answer is Yes / No

Note 3: No abbreviation to be used - **Not available** or **Not applicable** should be clearly mentioned.

Note 4: **Core zone** is the mining lease area.

Buffer zone in case of ML area up to 25 ha is to be considered as **5 km** all around the periphery of the core zone and for ML area above 25 ha an area **10 km** all around the periphery of the core zone.

Note 5: Adopt **Scoping process** in carrying out EIA study.

1. General Information

1.	**General information**	
a	Name of the project	BLOCK NO- 21Balu Ghat
I	Name of the proponent	Director- Shashi Kapoor Prasad
ii	Mailing Address	M/s Shivshankar Kaushik Infrastructure Pvt. Ltd. Director- Shashi Kapoor Prasad C/o- Manoj Kumar Singh Postal Add.- Kshatriya Colony, Ramnagar Andar Dhala, Siwan- 841226 Permanent Add.- 405, Arjun Enclave, Ramjaipal Road, Near Dr. B. R. Ambedkar Dental College, Patna- 801503
	E-mail	*sskaushik.infra@gmail.com*
	Telephone	7070957766
	Fax No.	--
b	Objective of the project	Sand Mining
c	**Location of mine**	
	Village	Mauza- Baga
	Tehsil	Block- Sandesh
	District	Bhojpur
	State	Bihar

d	Does the proposal relate to	**Yes**	**No**
i	New mine	√	-
ii	Expansion	-	√
iii	Increase in ML area	-	√
iv	Increase in annual production	-	√
v	Renewal of ML	-	√
vi	Modernization	-	√
e	Site Information		
i	Geographical Location		
	Latitude	25° 19' 55.139" N to 25° 20' 36.966" N	
	Longitude	84° 42' 56.257" E to 84° 43' 45.324" E	
	Survey of India Topo sheet number	72C11, 72C15	
	Elevation above Mean Sea Level	66.0 m to 67.0 m	
	Total mining lease area (in ha.)	92.0 Ha.	
ii	Dominant nature of terrain	**Yes**	**No**
	Flat	√	-
	Undulated	-	√
	Hilly	-	√
2.	**Land usage of the mining lease area (in ha.)**		
a	Agricultural	-	
b	Forest (Jungle-jhari)	-	
c	Waste land (G.M.Land)	-	
d	Grazing	--	
e	Surface water bodies	92.0 Ha.	
f	Others (Private Land)	--	
g	Others (Own Land)	--	
	Total	92.0 Ha.	
3.	**Indicate the seismic zone in which ML area falls. In case of zone IV & V, details of earth quakes in last 10 years.**	Seismic Zone– IV	
a	Severity (Richter Scale)		
b	Impact i.e. Damage to	**Yes**	**No**
	Life	-	√
	Property	-	√
	Existing mine	-	√

4. Break-up of mining lease area (in ha.) as per approved conceptual plan:

Purpose		Mining Lease Area				Total	Area acquired				Area to be acquired			
		Government		Private			Government		Private		Government		Private	
		Forest	Others	Agri.	Others		Forest	Others	Agri	Others	Forest	Other	Agri.	Others
1. Area to be excavated		-	92.0 Ha.	-	--	92.0 Ha.	-	92.0 Ha	-	--	-	-	-	-
2. Storage for top soil		-		-	-	-	-		-	-	-	-	-	-
3. Overburden / Dumps		-		-	--	--	-		-	--	-	-	-	-
4. Mineral storage		-		-	-	-	-		-	-	-	-	-	-
5. Infrastructure (Workshop, Administrative Building)		-		-	--	--	-		-	--	-	-	-	-
6. Roads		-		-	--	--	-		-	--	-	-	-	-
7. Railways		-		-			-		-		-	-	-	-
8. Green Belt		-		-	--	--	-		-	--	-	-	-	-
9.Parapet wall		-	-	-	--	--	-	-	-	--	-	-	-	-
10.Garland Drain		-	-	-	--	--	-	-	-	--	-	-	-	-
11.Coal handling plant / mineral separation plant		-	-	-	--	--	-	-	-	--	-	-	-	-
12. Township area		-	-	--	-	-	-	-	-	-	-	-	-	-
13. Area under Canal			-					-				-		
14. Undisturbed												-		
13.Other	Water reservoir	-	--	-	--	--	--	--		--	--	-	-	-
	Rehab. & Rehabilitation by plantation	-	--		--	--	--	--		-	--	-	-	-
	Undisturbed	-	--		--	--		--		--	--	-	-	-
TOTAL		-	**92.0 Ha.**	-	-	**92.0 Ha.**	--	**92.0 Ha.**	-	-	--		-	-

5	**Township (outside mining lease)**			**Not Applicable**	
a	Total area (in ha)			-	
b	No. of dwelling units			-	
c	Distance from mine site			-	
6	**Distance of water bodies (in km)**				
Distance from		River Bank *		Other Water bodies * Sea / creek / lake / nalla etc. (specify)	
Mining lease boundary		The mine site lies on the dry bed of Sone river.		-	
Ancillary facilities		-		-	
[* From highest flood line / high tide line]					
7	For projects falling within the Coastal Regulation Zone (CRZ)				
	Whether the mineral to be mined is of rare nature and not available outside CRZ?	**Yes**	-	**No**	√
if yes, annex a scaled location map showing low tide line (LTL), high tide line (HTL) duly demarcated by one of the authorized agencies* [*Director, Space Application Centre, Ahmedabad: Centre for Earth Sciences Studies, Thiruvananthapuram: Institute of Remote Sensing, Anna University, Chennai: Institute of Wetland Management & Ecological Designs, Kolkata: Naval Hydrographers' Office, Dehradun: National Institute of Oceanography, Panjim, Goa: and National Institute of Ocean Technology, Chennai], boundary of mining lease area, distance of ML area from LTL and HTL CRZ boundary and CRZ classification of the project area as per the approved Coastal Zone Management Plan, and settlements, sand dunes, mangroves, forest land/patches, turtles breeding and nesting sites etc., if any, in the project area.					
8	**Indicate aerial distance from the periphery of core zone / area from the periphery of the buffer zone to the boundary of following (up to 10 km):**				
S. No.	Area	Name	Aerial distance from (in km.)		
			Core Zone	Buffer Zone	
1.	National Park / Sanctuary	Nil	-	-	
2.	Biosphere Reserve / Tiger Reserve / Elephant Reserve / any other Reserve	Nil	-	-	
3.	Forest (RF / PF / unclassified)	Nil	-	-	
4.	Habitat for migratory birds	Nil	-	-	
5.	Corridor for	Nil	-	-	

	animals of schedule I & II of the Wildlife (Protection) Act, 1972			
6.	Archaeological sites * Notified * Others	Nil	-	-
7.	Defense Installation	Nil	-	-
8.	Industries / Thermal Power Plants	Nil	-	-
9.	Other Mines	No	-	-
10.	Airport	Nil	-	-
11.	Railway Lines	Nil	-	-
12.	National / State Highways	SH-81 (Chandi Sahar Rd)	-	Approx. 0.7 Km towards West.
[* Buffer zone in case of ML area up to 25 ha. is to be considered as **5 km** all around the periphery of the core zone and for ML area above 25 ha. an area **10 km** all around the periphery of the core zone].				

-

9. Description of flora & fauna separately in the core and buffer zones. *

[* Consult the Wildlife (Protection) Act, 1972 as amended subsequently and list species with (1) Common name (2) Scientific name and (3) under which schedule of the Wildlife (Protection) Act the identified species fall. Get the list authenticated by an Expert in the field / credible scientific institute / University / Chief Wildlife Warden Office. **Information to be based on field survey.]**

Details are given in Chapter 3 of the EIA report.

10	**Details of mineral reserves (as per approved Mining Plan)**	Quantity (In tons)	
a	Proved		
b	Indicated	--	
c	Inferred	--	
d	Mineable reserves	28,15,200 TPA	
11	**Major geological formation / disturbances in the mining lease area**	**Yes**	**No**
a	Geological maps submitted	√	-
b	Geological sections submitted	√	-
c	Contour map submitted	√	-
d	Whether the presence, if any, noted of		
I	Faults	-	√
Ii	Dykes	-	√
Iii	Shear Zone	-	√
Iv	Folds	-	√

V	Other weak zones	**-**	√
e	Source of data (Indicate)	-	
12	**Production of mineral(s) and life of mine**		
a	Rated capacity of mine mineral wise (Tonnes / annum)	28,15,200 TPA	
b	Life of mine at proposed capacity (Years)	It is a river bed deposit and mined out area shall be replenished each year	
c	Lease period (Years)	LOI issued letter no-4724/Khanan, Ara dated 25-11-2022 for the period of Five Years	
d	Date of expiry of lease (D /M /Y)	-	
e	Indicate in case of existing mines	-	
i	Date of opening of mine	-	
ii	Production in the last 5 Years	-	
iii	Projected production for the next 6th to 10th year .	-	
iv	Whether mining was suspended after opening of the mine?	-	
v	If yes, details there of including last production figure and reason for the same.	--	
f	Whether plans & sections provided?	**Yes**	
13	**Type and method of mining operations**		

TYPE		**METHOD**	
Opencast	√	Manual	-
Underground	-	Mechanized	-
Both	-	Semi-mechanized	√

14	**Details of ancillary operations for mineral processing**	
a	Existing	-
b	Additional	-
15	**Mine details**	
a	**Opencast mine**	
i	Stripping ratio (mineral in tonnes to over burden in m^3)	-
ii	Ultimate working depth (in m bgl)	3 m
iii	Indicate present working depth in case of existing mine (in m bgl)	--
iv	Thickness of top soil (in m.)	--
a	Minimum	0.0
b	Maximum	0
c	Average	0
v	Thickness of overburden (in m.)	
a	Minimum	0.0
b	Maximum	0
c	Average	--

vi	Mining Plan	
a	Height and width of the bench in overburden / waste.	0
b	Height & width of the bench in ore body / coal seam.	Height: 1 m Width : 1.5 m
c	Proposed inclination / slope of the sides of the opencast mine (separately for overburden, coal / ore and overall slope of the pit sides) both while operating the mine as well as at the time of closure of the mine.	45º
d	Whether transverse sections across the opencast mine at the end of fifth year and at the end of the life of the mine have been submitted?	--
vii	Type of blasting, if any, to be adopted	--
b	Underground mine-	**Not Applicable**
i	Seam / Ore body	
	Min.Depth (m)	-
	Max. Depth (m)	-
	Avg. thickness (m)	-
	Rate of dip	-
	Direction of dip in degree	-
ii	Mode of entry into the mine	
	Shaft	-
	Adit	-
	Incline	-
iii	Details of machinery	
	On surface	-
	At Face	-
	For transportation	-
	Others	-
iv	Method of stopping	
	Open	-
	Filled	-
	Shrinkage	-
	Caving	-
	Combination of above	-
	Others (Specify)	-
v	Extraction method	
	Caving	-
	Stowing	-
	Partial extraction	-
vi	Subsidence	
	Predicted max. subsidence (in m)	-
	Max. value of tensile strain (in mm/m)	-
	Max. slope change (in mm/m)	-
	Whether identified possible subsidence area(s) superimposed on Surface Plan has been	-

	submitted?			
	Major impacts on surface features like natural drainage pattern, houses, buildings, water bodies, roads, forest, etc.		-	
	Salient features of subsidence management (monitoring and control).		-	
16	**Surface drainage pattern at mine site**		**Yes**	**No**
a	Whether the pre-mining surface drainage plan submitted?			√
b	Do you propose any modification / diversion in the existing natural drainage pattern at any stage? If yes, when. Provide location map indicating contours, dimensions of water body to be diverted, direction of flow of water and proposed route / changes, if any i.e. realignment of river / nallah / any other water body falling within core zone and its impact		-	√
17	**Embankment and / or weir construction**			
a	Do you propose, at any stage, construction of			
i	Embankment for protection against flood?		No	
ii	Weir for water storage for the mine?		No	
b	If so, provide details thereof.		-	
c	Impact of embankment on HFL and settlement around.		-	
d	**Impact of weir on downstream users of water**		-	
18	Vehicular traffic density (**outside the ML area**)			
		Type of vehicles	No. of vehicles per day (in PCU)	
a	Existing	tractor/trolley	5365	
b	After the proposed activity		8299	
c	Whether the existing road network is adequate?		Yes	
	If no, provide details of alternative proposal?		-	
19	Loading, transportation and unloading of mineral and waste rocks on surface		**Yes**	**No**
a	Manual		√	
b	Tubs, mine cars, etc.		-	√
c	Scraper, shovels, dumpers / trucks		√	-
d	Conveyors (belt, chain, etc.)		-	√
e	Others (specify)		-	√

20	Mineral(s) transportation outside the ML area			
		Qty. (in tonne)	**Percentage (%)**	**Length (in km)**
a	Road	28,15,200 TPA	100	0.7
b	Rail	-	-	-
c	Conveyors	-	-	-
d	Rope way	-	-	-
e	Water ways	-	-	-

f	Pipeline	-	-	-
g	Others (Specify)	-	-	-
Total		**28,15,200 TPA**	**100**	**0.7**

21. Baseline Meteorological and Air Quality data

(a) Micro-meteorological data

[Continuous monitoring through autographic instrument for one full season other than monsoon]

(i) Wind rose pattern for one full season (16 points of compass i.e. N, NNE, NE, ---) based on 24-hourly data. For coastal area also furnish day-time and night time data. (Given in Chapter 3 of EIA report)

- Day time
- Night time
- 24 – hours period

(ii) Site specific monitored data (IMD)

Site-specific meteorological data (Dec to Feb)

SL. No.	Parameter	Unit	Min	Max	Mean
1	Temperature	^{0}C	6.5	32.6	21.2
2	Wind Speed	m/s	0.5	8.8	2.73
3	Relative Humidity	%	26	62	44
4	Solar Radiation	w/m^2	5000	5500	5200
5	Rainfall	mm	9.5		
6	No. of Rainy days		06		
7	Wind Direction		West		
8	Annual Rainfall	mm	1080		

* 24-hours rainfall should be reported from 08:30 hrs. IST of previous day to 08:30 hrs. IST of the day.

* Rainy day is considered when 24 hrs. rainfall is ≥ 2.5 mm.

** Visual observations of cloud cover should be recorded four times a day at regular intervals.

(iii)Indicate name and distance of the nearest IMD meteorological station from which climatological data have been obtained for reporting in the EIA report, if any.

(b) Ambient air quality data* (RPM, SPM, SO_2, and NOx)

[*Monitoring should be carried out covering one full season except monsoon – same season as in 21 (a) (i)]

[*Frequency of sampling: Sampling to be done twice a week for the entire season 24 hourly for SPM & RPM. For gaseous pollutants 24-hourly data be given irrespective of the sampling period.]

(i) Season and period for which monitoring has been carried out in Winter Season **(7th December 2022 to 5th March 2023)**

(ii) No. of samples collected at each monitoring station**: 24**

Name of monitoring equipment used			**$PM_{2.5}$(µg/m^3)**			**PM_{10} (µg/m^3)**			**SO_2 (µg/m^3)**			**No_x (µg/m^3)**			**Pb****		
			Envirotech FPS – APM 5.50			**RDS 460 BL**			**APM 411 attachment with RDS 460 BL**			**APM 411 attachment with RDS 460 BL**			-		
Equipment sensitivity			< 0.5 µg/m3 from 0.000 mg to 0.100 mg/ m^3			< 0.5 µg/m3 from 0.000 mg to 0.100 mg/ m^3			< 0.5 µg/m3 from 0.000 mg to 0.100 mg/ m^3			< 0.5 µg/m3 from 0.000 mg to 0.100 mg/ m^3			-		
Permissible AAQ standard (CPCB) R,I,S			60 µg/m^3			100 µg/m^3			80 µg/m^3			80 µg/m^3			-		
			60 µg/m^3			100 µg/m^3			80 µg/m^3			80 µg/m^3			-		
			60 µg/m^3			100 µg/m^3			80 µg/m^3			80 µg/m^3			-		
Monitoring Location	**No. of Samples Drawn**	**Category* (R, I, S)**	**Min**	**Max**	**98% tile**	**Min**	**Max**	**98% tile**	**Min.**	**Max.**	**98% tile**	**Min.**	**Max.**	**98% tile**	**Min**	**Max**	**98 % tile**
AAQ1	24		32.9	40.3	40.24	64.0	72.2	71.96	8.7	13.9	13.41	17.1	24.1	23.72	-	-	-
AAQ2	24		26.2	34.8	34.72	59.7	67.7	67.50	11.8	16.2	15.42	19.5	25.7	25.52	-	-	-
AAQ3	24		25.1	35.4	33.92	56.4	66.0	64.99	8.0	14.1	13.05	21.8	27.3	26.53	-	-	-
AAQ4	24		30.9	40.7	40.63	68.5	76.9	76.26	9.0	12.3	12.21	16.6	21.9	21.72	-	-	-
AAQ5	24		32.6	42.3	42.28	68.3	79.5	79.22	9.2	13.0	12.76	14.7	24.5	23.59	-	-	-
AAQ6	24		28.7	37.2	37.11	67.3	75.9	75.64	9.1	12.2	12.06	16.7	21.1	20.75	-	-	-
AAQ7	24		29.2	37.4	37.30	58.1	67.6	67.48	8.0	11.3	11.23	13.9	19.4	19.34	-	-	-
AAQ8	24		32.4	40.9	40.85	68.0	77.1	76.76	8.2	12.1	11.86	14.3	22.6	22.43	-	-	-

*R = Residential; I = Industrial; S = Sensitive
**Pb for mineral specific sites only.
Annex a location map indicating location of AAQ stations, their direction and distance with respect to project site.

22. Stack and emission details, if any* Not Applicable

S. No.	Process / unit of operation (e.g. DG Set, Boiler)	Height of stack (m)	Internal top dia. (m)	Flue gas exit velocity (m/sec)	Emission rate (kg/hr)				Heat emission rate from top of stack (K.cal/hr)	Exhaust / Flue gas			
					SPM	SO_2	NO_x	CO		Temp ^OC	Density	Specific Heat	Volumetric flow rate (m^3/hr.)
	-	-	-	-	-				-	-	-	-	-

23. Details of fugitive emissions during mining operations*
Given in Chapter 4

24. Air Quality Impact Prediction (AQIP)*Not Applicable

(a) Details of model(s) used for AQIP including grid size, terrain features, and input meteorological data

(b) Maximum incremental GLC values of pollutants based on prediction exercise

(in $\mu g/m^3$)

S. No.	Pollutants	Incremental Value	Ambient Air Quality	Resultant Air Quality
1.	SPM	5.32	72.2	77.52
2**.	SO_2	-	-	-
3**.	NO_X	-	-	-

[* Question Number 22, 23 & 24 need not be filled-in for mines having ML area of **25 ha. or less.**]
[**Information on item no. 2 & 3 to be provided in cases with captive power generation of 500 KVA and above]

25. Water requirement (m^3/day)

Purpose	Avg. Demand	Peak Demand
A. Mine site		
1. Mine operation	-	-
2. Land reclamation	-	-
3. Dust suppression	-	-
4. Drinking & domestic	2.15	2.15
5. Green Belt & Dust Suppression	7.76	7.76
6. Beneficiation	-	-
7. Washeries	-	-
8. Fire Service	-	-
9. Others (Mining and Allied Activities))	-	-
B. Township		
1. Green Belt	-	-
2. Domestic	-	-
C. Other (specify)	-	-
Total	**9.91**	**9.91**

26. Source of water supply*

S. No.	**Source**	m^3/day
1	River (name)	-
2	Ground water	2.15
3	Mine water (sump / pit)	--
4	Other surface water bodies (water will be tapped from plant supply)	7.76

[*Annex a copy of sanction letter / permission from the concerned authority (Central Ground Water Authority in case of ground water abstraction is from notified area / State Ground Water Board in case of non-notified area / State Irrigation Department for surface water pumping) for drawing water.

27	**Lean season flow in case of pumping from river / nalla (cumecs)**	**Not applicable**
28	Ground water potential of the study area	-
28.1	**Ground water availability**	
a	Range of water table (m bgl)	-
i	Pre-monsoon (April/May)	
	Core Zone	-
	Buffer zone	-
ii	Post-monsoon (November)	
	Core Zone	-
	Buffer zone	-
b	Total annual replenish able recharge (million m^3/ year)	
i	By ground water table fluctuation method	-
ii	By rainfall infiltration factor method	-
c	Annual draft excluding estimated draft through mine discharge (million m^3/ year)	-
d	Estimated draft through mine discharge (million m^3/ year)	-
e	Net annual ground water availability (million m^3/ year)	-
f	Stage of ground water development (%)	-

28.2. Water demand - Competing users of the water source

S. No.	Usage	Present Consumption (m^3/day)		Additional proposed as per local plan (m^3/day)		Total (m^3/day)	
		Surface	Ground	Surface	Ground	Surface	Ground
1	Domestic	-	-	-	2.15		2.15
2	Irrigation	-	-		-		-
3	Industry	-	-		-		-
4	Mining	-	-	-	-		-
5	Others (Dust suppression+ Green belt)	-	-	7.76		7.76	-
Total		--	--	7.76	2.15	7.76	2.15

29. Water quality*

(a) Annex physio -chemical analysis of water at intake point **

(Given in chapter 3 of EIA report.).

(b) In case of existing mine, annex report on quality of water discharge
i.e. complete physico - chemical analysis**
[*For non-discharging mines at least four ground water samples to be taken preferably from downstream direction of the mine in pre-monsoon and post-monsoon periods and analysed. For discharging mines six samples are to be analysed]

**All parameters as per BIS 10500. Indicate name of Methodology, Equipment used for analysis, and Detection Level (DL) for each parameter.

*** Wherever any analytical parameter is below detection level, "BDL" (Below Detection Level) should be written instead of 'NIL'.

30.	**Impact on ground water regime / stream / lake / springs due to mine dewatering ***	Not required
a	Radius of influence (in m) [To be estimated based on analysis of pumping test data and application of empirical formula]	-
b	Whether saline water ingress will take place?(applicable to coastal areas)	-
c	Impact on stream / lake / springs	-

[* Provide a comprehensive hydro-geological assessment report if the average mine dewatering is more than 100 m^3/day and or going below water table in non-monsoon period. The report should be based on preferably latest one-year pre-monsoon and post-monsoon baseline data covering information on ground water situation, aquifer characteristics, water level conditions (April – May and November), estimate of ground water resources, predicted impact of the project on ground water regime and detailed remedial / conservation measures such as artificial recharge of ground water etc. The report should be based on actual field inventory out of existing wells, at least 30 observation wells in the buffer zone with supplementary information from secondary sources (mention name). For estimation** of ground water resource (refer question no. 28 above) be designated study area of the buffer zone may be sub-divided into command and non-command areas, watershed-wise (in case of hard rock / consolidated formations) / block-wise / Mandal-wise in case of alluvial / unconsolidated formations)**]**

**For estimating ground water resources in the area follow the Ground Water Estimation Committee recommendations of 1997]

31.	**Waste Water Management**	Not Applicable
a	Daily average discharge (m^3/day) from different sources	-
i	Mine water discharge during	-
	Lean period	-
	Monsoon period	-
ii	Workshop	-
iii	Domestic (mine site)	-
iv	Beneficiation / Washeries	-
v	Coal Handling Plant	-

vi	Tailings pond	-	
vii	Others (Specify)	-	
	Total	-	
b	Waste water treatment plant; flow sheet for treatment process attached.	-	
C	Quantity of water recycled / reused / to be recycled in	-	
i	Percentage	-	
ii	m3 /day	-	
d	Point of final discharge	-	
	Final Point	-	
1	Surface	-	
i	Agricultural land	-	
ii	Waste land	-	
iii	Forest land	-	
iv	Green belt	-	
2	River / nallah	-	
3	Lake	-	
4	Sea	-	
5	Others (specify)	-	
	Total	-	
e	Users of discharge water	**Yes**	**No**
i	Human		
ii	Livestock		
iii	Irrigation		
iv	Industry		
v	Others (specify)		
F	Details of the river / nalla, if final effluent is / will be discharged (cumecs)		
i	Average flow rate		
ii	Lean season flow rate		
iii	Aquatic life		
iv	Analysis of river water 100 meters upstream and 100 meters downstream of discharge point submitted.		
G	Township		
a	Waste water generation from township (m3/day)		
b	Are you planning to provide sewage treatment plant?		
C	Usage of treated water		
32.	**Attach water balance statement in the form of a flow diagram indicating source (s), consumption (Section-wise) and output.** **Given in chapter 2 of EIA report**		
33	**Ambient noise level leq dB(A)**	Details given in Chapter III	
34	**Solid Waste-**	12.9 Kg/day	

a	Top soil and Solid waste quantity and quality			
Name (Lump/fines/slurry/ Sludge/others)		Composition	Quantity (cum)	Method of disposal
Mining activity*				
a. Top Soil			--	--
b. Over burden			--	--
c. Others (20% intercalated waste)			--	--
Effluent Treatment Plant (sludge)			--	--
Total			--	--
[* Annex layout plan indicating the dump sites.]				
b (i)	Does waste (s) contain any hazardous/toxic substance/radioactive materials or heavy metals?		No	
(ii)	If yes, whether details and precautionary measures provided?		NA	
c	Recovery and recycling possibilities.		NA	
d	Possible user(s) of the solid waste.		NA	
e (i)	Is the solid waste suitable for backfilling?		NA	
(ii)	If yes, when do you propose to start backfilling?		NA	
Solid waste (s)	Already accumulated (A)	To be generated (B)	% of A & B to be backfilled	
			A	B
Over burden		--	--	
Others (20% intercalated waste)		--	-	-
	Land reclamation Plan		**Not Applicable**	
f	In case waste is to be dumped on the ground, indicate		--	
i	Associated environmental problems			
ii	Number & type of waste dumps			
	No. of external dumps		Nil	
	Max. projected height of dumps (in m)		--	
	No. of terraces and height of each stage			
	Overall slope of the dump (degree)		--	
	Proposed reclamation measures		NA	
iii	Section of the waste dump in relation to the adjacent ground profile attached		NA	
35	**Fuel / Energy requirements*** [*To be furnished for mines having ML area n than 25 ha. or captive power generation of		**Not Applicable**	

	500KVA and above]				
a	Total power requirement			(in MW)	
S. No.		Mine Site	Township	Others (specify)	Total
1	Present				
2	Proposed / additional				
Total					

b	Source of power			(in MW)
S. No.		SEB/Grid*	Captive power plant	DG Sets
1	Present			
2	Proposed / additional			
Total				

[* Annex a copy of the sanction letter from the concerned authority]

c	Details of fuels					
S.No.	Fuel	Daily Consumption (TPD)		Calorific value (Kcals/kg)	% Ash	% Sulphur
		Existing	Proposed			
1	HSD					
2	LSHS					
3	Other (specify)					

36	**Storage of inflammable / explosive materials**			**Not Applicable**
S. No.	Name	Number of Storages	Consumption (in TPD)	Maximum Quantity at any point of time
1	Fuels			
2	Explosives			

37	**Human Settlement**	
	Core Zone	Buffer Zone
Population*	-	Details given in Chapter III
No. of villages	-	
Number of households village-wise	-	

[* As per 2001 census record or actual survey]

38.	**Rehabilitation & Resettlement (R&R) Plan*** [*Provide a comprehensive rehabilitation plan, if more than 1000 people are likely to be displaced, other-wise a summary plan]	**Not Applicable**
a	Villages falling within the study area	

	Villages	
	Number	Name
Core zone		
500 m from the blasting site (s)		

Buffer zone						
Township site						
b	Details of village(s) in the core zone					
S. No.	**Village name**	**Population***				**Average Annual Income**
		Tribal	Others			
1						
[*As per 2001 census / actual survey]						
c	Population to be displaced and / or Land Oustees					
Name of village(s) falling within		Number of oustees				
		Land (only)	Homestead (only)	Land and Homestead (both)		
Mining Lease 1.						
Township Site 1.						
d	Whether R&R package has been finalized? If yes, salient features of R&R plan for oustees.					**Not Applicable**
i	Site details where the people are proposed to be resettled & facilities existing / to be created.					
ii	Funds earmarked for compensation package					
iii	Agency /Authority responsible for their resettlement.					
iv	Time of commencement of resettlement of Project Affected People (PAP).					
v	Period by which resettlement of PAP will be over.					
39	**Lease -wise plantation details**					
a	Lease area (in ha.)				Existing	Proposed
	i. Area broken up				--	-
	ii. To be broken up				-	92.0 Ha.
	iii. Area not to be broken-up				-	-
b	Township area (in ha.)				-	
c	Area afforested and proposed (in ha.)				-	
		Peripheral	Dumps	Roads	Township	Others
i	Existing					
ii	Proposed					
d	No. and type of trees planted and proposed					
i	Existing				--	
	When plantation was started?				Month / Year	
No. of plant species planted					Number saplings (per ha.)	
Bael, Neem, Aam, Amrud, Ashok, Jamun					10	
Survival rate %					Avg. height	
ii	Proposed					

	No. of plant species to be planted	Number of saplings (per ha.)
	--	--
40	**Environmental health and safety**	
a	What major health and safety hazards are anticipated?	Refer Chapter VII
	What provisions have been made/proposed to be made to conform to health and safety requirements?	As per Mines Act/ Rules
	In case of an existing mine	
i	Comprehensive report on health status of the workers as under the Mines Act annexed	As per Mines Act/ Rules
ii	Mineralogical composition of RPM (dust)	
	• Free silica	Not applicable
	• Chromium* (Total as well as Hexavalent)	Not applicable
	• Lead** [* Only for Chromite mines] [**Only for Base Metal mines]	Not applicable
	Information on radiation protection measures, if applicable	Not applicable

41. Environmental Management Plan

Salient features of environmental protection measures

S. No.	Environmental issues*	Already practiced, if applicable	Proposed
1	Air pollution	-	Regular water sprinkling, plantation □ Plantation will be done on both sides of the road
2	Water pollution	-	--
3.	Water conservation	-	General awareness,
4.	Noise pollution	-	Preventive maintenance of machines,
5.	Solid waste / Tailings	-	Not applicable
6.	Land degradation	-	Reclamation and rehabilitation by afforestation and conversion into water reservoir.
7.	Erosion & Sediment	-	NA
8.	Top soil	-	NA
9.	Ground vibration	-	NA
10.	Wildlife conservation	-	NA
11.	Forest protection	-	NA
12.	Others (specify)	-	Social training and general awareness

[* As applicable]

42	**Compliance with environmental safeguards (**For existing units)	**Yes**	**No**
	Status of the compliance of conditions of Environmental clearance issued by MoEF, if any, enclosed.	-	√
	Status of the compliance of 'Consent to Operate' issued by SPCB, if any, enclosed.	-	√
	Latest 'environmental statement' enclosed.	-	√
43	**Scoping of EIA**		
	Whether environmental impact assessment of the project has been carried out by following scoping process?	Yes	
	If yes, a copy of scoping of EIA annexed.	Details are given in Chapter I	
44	**Mine closure**		
a	Have you planned mine closure?	Yes	
b	Submitted a conceptual mine closure plan.	Yes	
c	If yes, indicate estimated amount for implementing the same (in Rs. lakhs)	-	
45	**Capital cost of the project (in Rs. Lakh) (Based on latest estimate)**	**Rs. 4564.2/ lakh -** (including auction cost).	

46. Cost of environmental protection measures (in Lakh)

Budget for EMP (Lakhs)			
Sl. No	**Description**	**Capital Cost (lakh)**	**Recurring Cost (lakh)**
A)Pollution Control & Dust Suppression			
i)	a) Water sprinkling facility with solar pump / diesel	1.0	0.50
	b) Water Sprinkling by tanker (Cost of Water Rs. 200/Tanker/day(Capacity 4.5 KL*2) (200*2*240)	-	0.96
ii)	Garland Drains and Settling Tanks (10m x 02 m x 03m x 2 No.)	2.75	0.15
iii)	Plantation with Gabion and salary for one gardener (part time basis).(920 Sampling)	18.4	1.0
iv)	PUC certification of vehicles and maintenance	-	0.10
v)	Road Development and Maintenance(Road Length approx. 500m, Width 5.0 m)	1.25	1.44
Sub Total		**23.4**	**4.05**
B)Labor Welfare			
i)	Periodical medical checkup to the workers	-	1.0
ii)	PPE and first aid kit to the worker	-	0.5

iii)	Awareness camp	1.0	1.5
Sub Total		**1.0**	**3.0**
C)Monitoring			
i)	Pollution Monitoring a) Air pollution b) Water pollution c) Soil Quality d) Noise Pollution	--	2.0
Sub Total		**-**	**2.0**
D)Solid Waste Management			
i)	Bins 4 Nos.@ Rs. 1500 each	0.06	0.05
ii)	Pit and Composting	0.05	
Sub Total		**0.11**	**0.05**
E) Environmental Management Cell		-	**2.0**
F) Public Hearing Commitment			
i)	Infrastructure development (renovation of Building, Toilet, Drinking Water Facilities, Desk, Benches, Computers) in Govt. Middle School, Azimabad & Govt. School, Mehandaura.	-	40.0
ii)	Medical & eye Check-up camps to be organized at block level and beneficiaries will come from nearby villages.	-	10.0
iii)	Repair & Maintenance of the villages roads near to project site	-	10.0
iv)	Installation of solar street lights in 5 nearby village (Rs. 25,000 x 100 nos.)	-	10.0
v)	Donation of 1 numbers of Ambulance @ Rs 2000000/- to the Block Hospital to support Janani & Bal Suraksha Yojana, Nawada, Bihar	-	20.0
vi)	Water purifier to the nearby schools, Primary Health Centers (PHCs) & Aganwadi centers (AWCs) in the nearby villages @Rs8000X25 water purifiers	-	2.0
Sub Total		**-**	**92.0**
Grand Total		**24.51**	**103.1**

47. Amount earmarked for socio-economic welfare measures for the nearby villages other than R&R plans.

Sl. No	Activities	Estimated Cost In Lakh	Time Bound
1	Infrastructure development	40	In 5 Year

	(renovation of Building, Toilet, Drinking Water Facilities, Desk, Benches, Computers) in Govt. Middle School, Azimabad & Govt. School, Mehandaura.		
2	Medical & eye Check-up camps to be organized at block level and beneficiaries will come from nearby villages.	10	Per Year 2.0 Lakh
3.	Repair & Maintenance of the villages roads near to project site	10	Per Year 2.0 Lakh
5.	Installation of solar street lights in 5 nearby village (Rs. 25,000 x 100 nos.)	10	In 5 Year
7.	Donation of 1 numbers of Ambulance @ Rs 2000000/- to the Block Hospital to support Janani & Bal Suraksha Yojana, Nawada, Bihar	20	First year
8.	Water purifier to the nearby schools, Primary Health Centers (PHCs) & Aganwadi centers (AWCs) in the nearby villages @Rs8000X25 water purifiers	2.00	First year
Total		**92.00**	

48. Public Hearing

a	Date of Advertisement	26.07.2024	
b	Newspapers in which the advertisement appeared	Hindustan, Dainik Bhaskar	
c	Date of public hearing (DD/MM/YYYY)	30th of August, 2024	
d	Public Hearing Panel chaired by & members present	➢ "District Land Acquisition Officer" Bhojpur– Shree Satya Prakash (Nominated by District Officer-Bhojpur) ➢ Shree Ashish Kumar Gupta, Regional Officer, BSPCB, Patna	
e	No. of people attended the public hearing meeting and number of people from the lease area.	Around 46.	
f	**Summary/details of public hearing in tabular form Given in chapter 7 of the EIA report.**		
49	**Whether the following approvals* (wherever**	**YES**	**NO**

a	Site clearance from MoEF	-	√
b	Consent for Establishment' from the State Pollution Control Board	-	√
c	NOC from Atomic Mineral Division	-	√
d	Mining plan approval from IBM / Ministry of Coal	√	-
e	In case of existing mines, mining scheme approval from IBM	-	√
f	Forestry clearance under FCA, 1980	-	√
g	NOC from Chief Controller of Explosives	-	√
h	Commitment regarding availability / pumping of water from the concerned Authorities	√	-
i	In case of ML area falling in notified areas of the Central Ground Water Authority, NOC from them.	-	√
[* Annex copies of approvals and number them]			
50	**Was / is there any court case relating to the project or related activities? If so, provide**	No	

****

Annexure –X
(DSR, Bhojpur)

DISTRICT SURVEY REPORT FOR SAND MINERALS OF BHOJPUR DISTRICT, BIHAR

Government of Bihar

(For Sand)
As per Notification No.S.O.141 (E) New Delhi Dated 15th of January 2016, S.O.3611 (E) New Delhi Dated 25th of July 2018, Sustainable Sand Mining Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining (EMGSM) January 2020, Issued by Ministry of Environment, Forest and Climate Change (MoEF&CC)



Member Secretary
SEIAA, Bihar

SEIAA Bihar

April, 2022

Prepared in compliance of the interim order passed by the Hon'ble Supreme Court on 10-11-21 in the case of Civil Appeal No. 3661-3662/2020, State of Bihar & Others vs. pawan Kumar & Others

STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), BIHAR

2nd Floor, BELTRON Bhawan, Shastri Nagar, Patna – 800023.

Ref. No.- 132 Patna. Dated. - 07/04/2022

MINUTES OF 08th MEETING OF STATE LEVEL EXPERT APPRAISAL COMMITTEE (SEAC), BIHAR CONSTITUTED ON 12.08.2021

VENUE: SEIAA Office

DATE: 25thMarch, 2022

Minutes/Proceeding of the Meeting

1. **Opening Remarks of the Chairman:** The Chairman extended warm welcome to all the participants of the meeting. Thereafter, the meeting was opened for the proceeding as per the agenda adopted for this meeting.

2. **Confirmation of Minutes of 07thMeeting** (07/2022) vide ref.no.100 dated 11.03.2022 **of State Expert Appraisal Committee held on** 04th &05th March, 2022. The State Expert Appraisal Committee, hereinafter called the SEAC, was informed that no representation has been received regarding projects considered in meeting held on 04th & 05th March, 2022. Minutes of the meeting of SEAC were confirmed

3. **Consideration of Proposals:** The SEAC considered proposals as per the agenda adopted for the 08th meeting (08/2022) circulated vide Ref. No.-114, dated-21.03.2022 and Ref. No.- 116, dated - 24.03.2022. The key points of delibetations held were as follows.

4. With regard to the proposals submitted for the District Survey Report (DSR) the Committee members considered and deliberated extensively on the District Survey Report (DSR), received for various districts, in the light of the Hon'ble Supreme Court's Order dated 10.11.2021 in Civil Appeal No. 3661-3662 of 2020 [Procedure and parameters laid down in the policy of Sustainable Sand Mining Management

v. Submit an undertaking regarding aquatic animal found in river / proposed sand ghat area.

vi. Clear and high resolution color images of the proposed ghats should be submitted with revised DSR including the date of photographs/ GPS location for identification of potential sand mining area.

vii. The Committee was not shown any such map where 1/4th part of the area has been separated from central 3/4th part of the river as a minable and non-minable zone.

viii. All the Annexures as prescribed in the EMGSM, 2020 should be duly filled and complete.

ix. FMISC (Flood Management Improvement Support Center), a R&D unit under WRD (Water Resource Department) at Atishabad has high resolution satellite maps of river systems of Bihar. District Authorities may contact the office of FMISC for procurement of geo-referenced maps of the river to support the DSR.

x. Provide different colour map for proposed and existing sand mining area and also submit State, District Wildlife Sanctuary, Eco-Sensitive Zone boundary in different colour map and KML file to check the suitability of the mining site.

xi. The replenishment study is not conducted by the concerned district. Whenever replenishment study conducted, submit the table of estimation of sand resources in Pre-monsoon and post-monsoon period for the sand deposit, with respect to the Reduced Levels.

xii. All the primary and secondary data should be supported by proper references and documentary support along with the page number in the compliance report of revised DSR.

AGENDA ITEM NO. 4

Revised District Survey Report for Bhojpur district (E-mail dated:-11.03.2022 and Hardcopy Received date:- 11.03.2022)

Application along with letter from the District Magistrate vide letter No. 1429, dated 11.03.2022 was submitted to SEAC, Bihar on 11th March, 2022 for the evaluation of the District Survey Report (DSR), revised as per the comments made by the SEAC.

Earlier in the meeting dated 06th, 07th, & 08th January 2022, the Committee had directed to submit the revised District Survey Report (DSR) as mentioned in the proceeding of that meeting. The compliance was submitted by concerned District in the light of the above

SEIAA, Bihar

said meeting, the same was placed before the committee and the concerned district representative made a presentation. The Committee observed infirmities and found not satisfactory. As such concerned district representative was directed to correct the DSR as follows :-

i. Demand and supply of the Riverbed Material through market survey needs to be carried out. In addition to this, future demand for the next 5 years also needs to be considered, to justify the number and area of the sand ghats included in the DSR.

ii. The Committee observed that sand ghats have been proposed on the confluence/meanders/concavities/active Channels which require to be excluded from the DSR. No mining area should be proposed at any river bank concavities to avoid bank erosion and river instability.

iii. The DSRs should be placed in the public domain for at least one month from the date of publication of the advertisement for obtaining comments of the general public. The comments so received shall be placed before the concerned sub-divisional committee for active consideration for necessary corrections, if any. Only after such consultations, the DSR should be submitted before the SEAC. [As per procedures laid down in EMGSM - 2020 (Page No. 19 (P)]

iv. In case sand ghat is located near by the Forest/ Wildlife Protected Area. (Bird Sanctuary / Wildlife Sanctuary / National Park / Tiger Reserve) a certificate regarding distance of such ghat from the boundary of Forest/ Protect Area as well as the notification status and extent of the Eco-Sensitive Zone issued by the Ministry of Environment, Forest and Climate Change, Govt. of India should be enclosed with the DSR.

v. Submit an undertaking regarding aquatic animal found in river / proposed sand ghat area.

vi. Clear and high resolution color images of the proposed ghats should be submitted with revised DSR including the date of photographs/ GPS location for identification of potential sand mining area.

vii. All the Annexures as prescribed in the EMGSM, 2020 should be duly filled and complete.

viii. FMISC (Flood Management Improvement Support Center), a R&D unit under WRD (Water Resource Department) at Anishabad has high resolution satellite maps of river systems of Bihar. District Authorities may contact the office of FMISC for procurement of geo-referenced maps of the river to support the DSR.

SEIAA, Bihar

ix. Revise the table of estimation of sand resources in Pre-monsoon and post-monsoon period in sand bars. Sustainable difference of about 10 meters in the Reduced Level in Sone River as per the report submitted was found suspicious. Accordingly, the authority was directed to revisit the table.

x. All the primary and secondary data should be supported by proper references and documentary support along with the page number mentioned in the compliance report of revised DSR.

AGENDA ITEM NO. 5

Revised District Survey Report for Khagaria district (E-mail dated:-05.03.2022 and Hardcopy Received date:- 21.03.2022)

Application along with letter from the District Magistrate vide letter No. 270, dated 04.03.2022 was submitted to SEAC, Bihar on 21st March, 2022 for the evaluation of the District Survey Report (DSR), revised as per the comments made by the SEAC.

Earlier in the meeting dated 06th, 07th, & 08th January 2022, the Committee had directed to submit the revised District Survey Report (DSR) as mentioned in the proceeding of that meeting. The compliance was submitted by concerned District in the light of the above said meeting, the same was placed before the committee and the concerned district representative made a presentation. The Committee observed infirmities and found not satisfactory. As such concerned district representative was directed to correct the DSR as follows :-

i. Demand and supply of the Riverbed Material through market survey needs to be carried out. In addition to this, future demand for the next 5 years also needs to be considered. to justify the number and area of the sand ghats included in the DSR.

ii. The Committee observed that sand ghats have been proposed on the confluence/meanders/concavities/active Channels which require to be excluded from the DSR. No mining area should be proposed at any river bank concavities to avoid bank erosion and river instability.

iii. The DSRs should be placed in the public domain for at least one month from the date of publication of the advertisement for obtaining comments of the general public. The comments so received shall be placed before the concerned sub-divisional committee for active consideration. Only after such consultations, the DSR should be submitted before the SEAC. [As per procedures laid down in EMGSM – 2020 (Page No. 19 (P)]

BEIAA, Bihar

Resolution of the Committee:-

The final DSR should be prepared in a book format (may be spiral binded) with an index page referring the page numbers where the corrections / amendments were made, for quick reference, in a tabular format.

SEAC has unanimously decided to forward the above referred DSR, of the concerned districts with the aforementioned observations for the consideration of SEIAA.

LIST OF PARTICIPANTS IN 08th MEETING OF SEAC, BIHAR HELD ON 25th MARCH 2022

S. No.	Name	Designation	Attended on 25.03.2022
1.	Dr. Gopal Sharma	Chairman	Present
2.	Dr. Ramakar Jha	Member	Present
3.	Dr. Bibha Kumari	Member	Present
4.	Dr. Anshumali	Member	Present through video link
5.	Dr. Aditya Mohanty	Member	Present through video link
6.	Shri Mokhtarul Haque	Member	Present
7.	Shri AjitSamaiyar	Member	Absent.
8.	Shri Ranjan Kumar	Member	Present.
9.	Shri S. Chandrasekar	Member Secretary	Present

Signature(s) of Members Present

Sd/
(Dr. Ramakar Jha)
Member, SEAC

Sd/
(Dr. Bibha Kumari)
Member, SEAC

Sd/
(Mokhtarul Haque)
Member, SEAC

Sd/
(Ranjan Kumar)
Member, SEAC

Sd/
(Dr. Anshumali)
Member, SEAC

Sd/
(Dr. Aditya Mohanty)
Member, SEAC

07/4/22

(S. Chandrasekar, IFS)
Member Secretary, SEAC

07.4.2022

(Dr. Gopal Sharma)
Chairman, SEAC

SEIAA, Bihar

Annexure -I

(List of the existing sand Ghats along with details of EC validity)



Table. 1: List of Existing Sand Ghats in Bhojpur district along with their geographical coordinates

SL. NO.	GHAT CODE	NAME OF RIVER	NAME OF GHAT	CO-ORDINATE		AREA (Ha.)
1	B/S/15	SON	SANDESH	A	25°24'24"N 84°44'35"E	10
				B	25°24'24"N 84°44'39"E	
				C	25°24'00"N 84°44'35"E	
				D	25°24'00"N 84°44'39"E	
02	B/S/16	SON	KIRKIREE	A	25°20'08"N 84°42'38"E	15
				B	25°20'08"N 84°42'47"E	
				C	25°19'49"N 84°42'38"E	
				D	25°19'49"N 84°42'47"E	
03	B/S/17	SON	BARUHI	A	25°17'20"N 84°39'51"E	15
				B	25°17'20"N 84°39'58"E	
				C	25°16'56"N 84°39'39"E	
				D	25°16'56"N 84°39'47"E	

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SL. NO.	GHAT CODE	NAME OF RIVER	NAME OF GHAT	CO-ORDINATE		AREA (Ha.)
04	B/S/19	SON	PEUR	A	25°16'00"N 84°39'09"E	20
				B	25°16'00"N 84°39'16"E	
				C	25°15'52"N 84°38'51"E	
				D	25°15'44"N 84°39'09"E	
05	B/S/20	SON	KARBASIN	A	25°14'38"N 84°36'20"E	15
				B	25°14'38"N 84°36'37"E	
				C	25°14'28"N 84°36'20"E	
				D	25°14'28"N 84°36'37"E	
06	B/S/21	SON	FATEHPUR	A	25°13'13"N 84°32'18"E	14
				B	25°13'13"N 84°32'37"E	
				C	25°13'03"N 84°32'18"E	
				D	25°13'03"N 84°32'37"E	
07	B/S/22	SON	ANDHERY	A	25°12'54"N 84°30'15"E	17
				B	25°12'54"N 84°30'33"E	

SL. NO.	GHAT CODE	NAME OF RIVER	NAME OF GHAT	CO-ORDINATE		AREA (Ha.)
				C	25°12'42"N 84°30'15"E	
				D	25°12'42"N 84°30'33"E	
08	B/S/23	SON	BIHTA	A	25°11'45"N 84°28'34"E	15
				B	25°11'37"N 84°28'40"E	
				C	25°11'21"N 84°28'07"E	
				D	25°11'21"N 84°28'12"E	
				B	25°32'28.57"N 84°46'36.61"E	
				C	25°32'17.05"N 84°46'15.16"E	
				D	25°32'23.27"N 84°46'10.91"E	
SL. NO.	GHAT CODE	NAME OF RIVER	NAME OF GHAT	CO-ORDINATE		AREA (Ha.)
1	B/S/24	SON	NANSAGAR	A	25°26'10.49"N 84°45'37.12"E	24
				B	25°25'58.39"N 84°46'1.18"E	
				C	25°25'51.09"N 84°45'41.63"E	

SL. NO.	GHAT CODE	NAME OF RIVER	NAME OF GHAT	CO-ORDINATE		AREA (Ha.)
				D	25°25'58.86"N 84°45'31.38"E	
2	B/S/25	SON	NARAYANPUR	A	25°27'27.20"N 84°45'43.10"E	24
				B	25°27'29.76"N 84°45'51.31"E	
				C	25°26'55.58"N 84°46'0.96"E	
				D	25°26'51.75"N 84°45'55.52"E	
3	B/S/26	SON	BHAGWATPUR	A	25°29'29.17"N 84°45'0.13"E	23
				B	25°29'29.88"N 84°45'9.91"E	
				C	25°29'8.81"N 84°45'20.53"E	
				D	25°29'3.82"N 84°45'10.32"E	
4	B/S/27	SON	KHANGAON & BAHARA	A	25°31'18.28"N 84°45'30.41"E	22
				B	25°31'16.60"N 84°45'43.89"E	
				C	25°30'58.05"N 84°45'36.92"E	

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SL. NO.	GHAT CODE	NAME OF RIVER	NAME OF GHAT	CO-ORDINATE		AREA (Ha.)
				D	25°31'0.74"N 84°45'23.85"E	
5	BS/29	SON	KUBERCHAK	A	25°33'8.29"N 84°46'10.13"E	20
				B	25°33'10.81"N 84°46'48.42"E	
				C	25°32'47.92"N 84°46'31.62"E	
				D	25°32'49.88"N 84°46'17.35"E	
6	BS/30	SON	NEW HARIPUR (CHITTAMPUR)	A	25°35'51.94"N 84°48'10.86"E	22
				B	25°35'55.36"N 84°48'34.66"E	
				C	25°35'45.52"N 84°48'35.10"E	
				D	25°35'41.31"N 84°48'10.19"E	
7	BS/31	SON	HARIPUR & SADASHIVPUR	A	25°36'37.23"N 84°48'21.29"E	23
				B	25°36'35.68"N 84°48'33.36"E	
				C	25°36'12.77"N 84°48'25.26"E	



SL. NO.	GHAT CODE	NAME OF RIVER	NAME OF GHAT	CO-ORDINATE		AREA (Ha.)
				D	25°36'13.56"N 84°48'13.67"E	
8	B/S/32	SON	MANACHAK	A	25°38'17.79"N 84°47'59.27"E	15
				B	25°38'24.20"N 84°48'9.57"E	
				C	25°38'5.89"N 84°48'9.83"E	
				D	25°38'3.84"N 84°47'58.85"E	
9	B/S/33	SON	KAMALUCHAK & SEMRA	A	25°39'11.11"N 84°49'15.95"E	20
				B	25°39'8.26"N 84°49'26.02"E	
				C	25°38'50.59"N 84°49'20.68"E	
				D	25°38'51.64"N 84°49'8.70"E	
				B	25°17'20"N 84°39'58"E	
				C	25°16'56"N 84°39'39"E	
				D	25°16'56"N 84°39'47"E	
10	B/S/34	SON	CHILHAUNS	A	25°25'8.38"N 84°45'33.23"E	12

SL. NO.	GHAT CODE	NAME OF RIVER	NAME OF GHAT	CO-ORDINATE		AREA (Ha.)
				B	25°25'4.98"N 84°45'42.78"E	
				C	25°24'53.80"N 84°45'40.33"E	
				D	25°25'1.36"N 84°45'25.41"E	
11	B/S/11	SON	FARAHANGPUR	A	25°32'32.10"N 84°46'21.98"E	20
				B	25°32'28.37"N 84°46'36.61"E	
				C	25°32'17.05"N 84°46'15.16"E	
				D	25°32'23.27"N 84°46'10.91"E	

SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
1	Son	Semra Makdumpur	4	Plot A	1	25°39'17.47"N 84°48'25.91"E
					2	25°39'17.90"N 84°48'27.99"E
					3	25°39'2.78"N 84°48'33.60"E

SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					4	25°39'1.72"N 84°48'30.16"E
2	Son	Kamaluchak& MahuiSemariya Ghat	5	Plot A	1	25°38'48.21"N 84°48'42.33"E
					2	25°38'38.40"N 84°48'45.68"E
					3	25°38'37.10"N 84°48'41.79"E
					4	25°38'46.03"N 84°48'36.74"E
			5	Plot B	1	25°38'37.02"N 84°48'46.39"E
					2	25°38'23.25"N 84°48'50.41"E
					3	25°38'22.64"N 84°48'46.40"E
					4	25°38'35.91"N 84°48'42.37"E

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Sl. NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
			4.5	Plot C	1	25°38'22.34"N 84°48'50.85"E
					2	25°38'7.72"N 84°48'55.12"E
					3	25°38'7.52"N 84°48'51.36"E
					4	25°38'21.70"N 84°48'46.85"E
3	Son	Mahui Ghat	5	Plot A	1	25°37'50.96"N 84°48'45.17"E
					2	25°37'49.67"N 84°49'0.70"E
					3	25°37'46.26"N 84°49'0.36"E
					4	25°37'47.03"N 84°48'44.56"E
			5	Plot B	1	25°37'45.01"N 84°48'45.61"E

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SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					2	25°37'43.78"N 84°48'59.29"E
					3	25°37'39.36"N 84°48'59.63"E
					4	25°37'41.23"N 84°48'45.24"E
			5	Plot C	1	25°37'38.18"N 84°48'44.73"E
					2	25°37'36.34"N 84°48'58.60"E
					3	25°37'32.44"N 84°48'57.94"E
					4	25°37'33.85"N 84°48'44.16"E
			5	Plot D	1	25°37'29.41"N 84°48'43.86"E
					2	25°37'28.38"N 84°48'56.96"E

SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					3	25°37'24.30"N 84°48'56.33"E
					4	25°37'24.74"N 84°48'43.21"E
			4.8	Plot E	1	25°37'19.88"N 84°48'42.51"E
					2	25°37'18.97"N 84°48'52.61"E
					3	25°37'12.96"N 84°48'51.22"E
					4	25°37'14.46"N 84°48'42.21"E
4	Son	Koilwar&Chhitanpur Ghat	5	Plot A	1	25°34'59.81"N 84°48'4.78"E
					2	25°34'59.33"N 84°48'14.01"E
					3	25°34'53.20"N 84°48'13.68"E

Sl. NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					4	25°34'54.25"N 84°48'3.26"E
			5	Plot B	1	25°34'59.00"N 84°48'15.73"E
					2	25°35'1.10"N 84°48'25.70"E
					3	25°34'52.74"N 84°48'21.52"E
					4	25°34'53.05"N 84°48'14.62"E
			5	Plot C	1	25°34'53.84"N 84°48'3.30"E
					2	25°34'52.29"N 84°48'17.47"E
					3	25°34'46.50"N 84°48'13.34"E
					4	25°34'51.37"N 84°48'2.96"E

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SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
5	Son	Farhangpur Ghat 1	5	Plot A	1	25°32'3.60"N 84°46'0.93"E
					2	25°32'0.48"N 84°46'10.13"E
					3	25°31'55.46"N 84°46'8.99"E
					4	25°31'57.18"N 84°45'59.25"E
			5	Plot B	1	25°31'56.56"N 84°45'59.23"E
					2	25°31'54.70"N 84°46'8.76"E
					3	25°31'48.88"N 84°46'10.49"E
					4	25°31'51.78"N 84°45'57.99"E
			4.5	Plot C	1	25°31'51.19"N 84°45'57.78"E

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Sl. NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					2	25°31'48.80"N 84°46'9.39"E
					3	25°31'43.51"N 84°46'4.88"E
					4	25°31'47.49"N 84°45'56.98"E
			2.5	Plot D	1	25°31'50.33"N 84°46'12.46"E
					2	25°31'49.35"N 84°46'14.46"E
					3	25°31'42.42"N 84°46'10.95"E
					4	25°31'43.28"N 84°46'5.98"E
6	Son	Khangaon Ghat	5	Plot A	1	25°30'41.93"N 84°45'19.22"E
					2	25°30'41.39"N 84°45'29.47"E

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SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					3	25°30'35.87"N 84°45'28.19"E
					4	25°30'36.33"N 84°45'17.76"E
			5	Plot B	1	25°30'41.07"N 84°45'31.95"E
					2	25°30'41.03"N 84°45'41.81"E
					3	25°30'34.65"N 84°45'40.42"E
					4	25°30'35.31"N 84°45'31.31"E
			5	Plot C	1	25°30'40.91"N 84°45'43.73"E
					2	25°30'43.28"N 84°45'51.41"E
					3	25°30'35.22"N 84°45'51.40"E

Sl. NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					4	25°30'34.13"N 84°45'43.42"E
			5	Plot D	1	25°30'33.31"N 84°45'20.36"E
					2	25°30'32.86"N 84°45'30.64"E
					3	25°30'26.86"N 84°45'29.54"E
					4	25°30'28.20"N 84°45'19.37"E
			4.8	Plot E	1	25°30'32.27"N 84°45'35.39"E
					2	25°30'31.03"N 84°45'43.75"E
					3	25°30'24.60"N 84°45'42.20"E
					4	25°30'25.75"N 84°45'33.98"E

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Sl. NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
7	Son	Khangann Ghat 1	5	Plot A	1	25°30'18.72"N 84°45'9.18"E
					2	25°30'17.13"N 84°45'15.63"E
					3	25°30'9.94"N 84°45'15.19"E
					4	25°30'10.15"N 84°45'7.22"E
			5	Plot B	1	25°30'8.45"N 84°45'6.90"E
					2	25°30'7.71"N 84°45'15.85"E
					3	25°30'1.39"N 84°45'14.52"E
					4	25°30'2.15"N 84°45'3.53"E
			5	Plot C	1	25°30'13.89"N 84°45'18.11"E

SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					2	25°30'11.60"N 84°45'23.33"E
					3	25°30'1.46"N 84°45'22.51"E
					4	25°30'1.37"N 84°45'17.65"E
			5	Plot D	1	25°30'9.38"N 84°45'25.50"E
					2	25°30'8.78"N 84°45'31.84"E
					3	25°30'0.14"N 84°45'31.75"E
					4	25°30'0.14"N 84°45'25.17"E
			4.8	Plot E	1	25°30'8.10"N 84°45'35.26"E
					2	25°30'8.59"N 84°45'42.32"E

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Sl. NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					3	25°30'0.24"N 84°45'42.14"E
					4	25°30'0.40"N 84°45'35.41"E
8	Son	SariimpurBachri Ghat 1	5	Plot A	1	25°28'12.03"N 84°45'15.52"E
					2	25°28'14.35"N 84°45'54.55"E
					3	25°28'8.49"N 84°45'56.94"E
					4	25°28'6.54"N 84°45'47.24"E
			5	Plot B	1	25°28'4.30"N 84°45'47.46"E
					2	25°28'6.80"N 84°45'56.96"E
					3	25°28'0.91"N 84°45'58.39"E

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SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					4	25°27'58.58"N 84°45'49.46"E
			5	Plot C	1	25°28'14.66"N 84°45'56.74"E
					2	25°28'16.02"N 84°46'4.79"E
					3	25°28'8.85"N 84°46'7.12"E
					4	25°28'8.22"N 84°45'58.75"E
			5	Plot D	1	25°28'6.33"N 84°46'59.21"E
					2	25°28'7.82"N 84°46'7.87"E
					3	25°28'1.64"N 84°46'9.62"E
					4	25°28'0.20"N 84°46'1.20"E

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SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
			4.8	Plot E	1	25°27'54.77"N 84°45'51.24"E
					2	25°27'57.12"N 84°46'5.24"E
					3	25°27'53.78"N 84°46'5.68"E
					4	25°27'50.09"N 84°45'51.84"E
9	Son	Sahar & Peur Chak Ghat	5	Plot A	1	25°15'33.87"N 84°38'29.58"E
					2	25°15'27.04"N 84°38'36.48"E
					3	25°15'24.06"N 84°38'31.61"E
					4	25°15'30.47"N 84°38'23.98"E
			5	Plot B	1	25°15'28.95"N 84°38'20.02"E

Sl. NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					2	25°15'24.18"N 84°38'27.17"E
					3	25°15'20.05"N 84°38'21.76"E
					4	25°15'24.93"N 84°38'14.05"E
			5	Plot C	1	25°15'25.01"N 84°38'9.32"E
					2	25°15'20.50"N 84°38'17.98"E
					3	25°15'15.70"N 84°38'15.26"E
					4	25°15'20.85"N 84°38'5.35"E
			5	Plot D	1	25°15'21.94"N 84°38'31.24"E
					2	25°15'19.45"N 84°38'39.78"E

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SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					3	25°15'13.77"N 84°38'37.61"E
					4	25°15'17.46"N 84°38'27.15"E
			4.8	Plot E	1	25°15'27.10"N 84°38'42.75"E
					2	25°15'23.04"N 84°38'52.46"E
					3	25°15'18.30"N 84°38'49.83"E
					4	25°15'22.67"N 84°38'40.18"E
16	Son	Kharaon Kalan Ghat	5	Plot A	1	25°13'34.75"N 84°33'39.89"E
					2	25°13'29.54"N 84°33'51.16"E
					3	25°13'26.85"N 84°33'47.54"E

SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					4	25°13'31.24"N 84°33'34.87"E
			5	Plot B	1	25°13'38.90"N 84°33'46.48"E
					2	25°13'33.31"N 84°33'58.20"E
					3	25°13'30.40"N 84°33'53.36"E
					4	25°13'36.16"N 84°33'42.33"E
			5	Plot C	1	25°13'43.34"N 84°33'55.08"E
					2	25°13'37.22"N 84°34'5.03"E
					3	25°13'34.62"N 84°34'0.53"E
					4	25°13'40.33"N 84°33'49.84"E

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SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
			5	Plot D	1	25°13'47.98"N 84°34'3.93"E
					2	25°13'42.13"N 84°34'11.27"E
					3	25°13'38.67"N 84°34'6.47"E
					4	25°13'44.60"N 84°33'58.22"E
			4.5	Plot E	1	25°13'52.73"N 84°34'13.35"E
					2	25°13'45.90"N 84°34'16.72"E
					3	25°13'42.68"N 84°34'12.10"E
					4	25°13'48.81"N 84°34'6.12"E
11	Son	Khaira Ghat	5	Plot A	1	25°14'25.12"N 84°35'43.89"E

Sl. NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					2	25°14'17.03"N 84°35'45.96"E
					3	25°14'15.36"N 84°35'38.34"E
					4	25°14'22.05"N 84°35'37.06"E
			5	Plot B	1	25°14'27.32"N 84°35'51.22"E
					2	25°14'18.30"N 84°35'53.31"E
					3	25°14'16.89"N 84°35'47.13"E
					4	25°14'25.37"N 84°35'45.01"E
			5	Plot C	1	25°14'28.85"N 84°35'57.16"E
					2	25°14'18.84"N 84°36'0.60"E

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SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					3	25°14'17.93"N 84°35'54.60"E
					4	25°14'27.17"N 84°35'52.00"E
			5	Plot D	1	25°14'16.60"N 84°35'53.10"E
					2	25°14'11.43"N 84°35'53.26"E
					3	25°14'11.65"N 84°35'39.61"E
					4	25°14'14.78"N 84°35'39.21"E
			4	Plot E	1	25°14'17.81"N 84°36'1.19"E
					2	25°14'11.46"N 84°36'2.72"E
					3	25°14'11.02"N 84°35'54.54"E

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Sl. NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					4	25°14'16.79"N 84°35'54.41"E
12	Son	Andhari Ghat 1	5	Plot A	1	25°13'5.68"N 84°31'1.92"E
					2	25°13'7.36"N 84°31'5.79"E
					3	25°12'54.72"N 84°31'7.51"E
					4	25°12'52.46"N 84°31'2.81"E
			5	Plot B	1	25°13'7.72"N 84°31'6.53"E
					2	25°13'8.96"N 84°31'9.38"E
					3	25°12'56.43"N 84°31'13.96"E
					4	25°12'54.67"N 84°31'8.57"E

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SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
			5	Plot C	1	25°13'8.40"N 84°31'11.32"E
					2	25°13'7.44"N 84°31'16.40"E
					3	25°12'58.64"N 84°31'20.63"E
					4	25°12'56.72"N 84°31'14.77"E
			5	Plot D	1	25°13'6.99"N 84°31'18.41"E
					2	25°13'7.89"N 84°31'24.15"E
					3	25°13'3.10"N 84°31'30.42"E
					4	25°12'59.04"N 84°31'21.74"E
			4.5	Plot E	1	25°12'55.56"N 84°31'14.70"E

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SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					2	25°13'2.46"N 84°31'30.86"E
					3	25°12'59.64"N 84°31'32.42"E
					4	25°12'54.40"N 84°31'21.42"E
13	Son	Bihta Ghat 1	5	Plot A	1	25°9'56.65"N 84°27'46.01"E
					2	25° 9'58.94"N 84°27'52.00"E
					3	25° 9'50.42"N 84°27'54.26"E
					4	25° 9'49.19"N 84°27'46.40"E
			5	Plot B	1	25° 9'48.40"N 84°27'46.76"E
					2	25° 9'49.50"N 84°27'54.62"E

SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					3	25° 9'40.89"N 84°27'54.85"E
					4	25° 9'42.52"N 84°27'46.80"E
			5	Plot C	1	25° 9'49.09"N 84°27'55.64"E
					2	25° 9'50.38"N 84°28'1.67"E
					3	25° 9'41.21"N 84°28'2.85"E
					4	25° 9'40.40"N 84°27'56.15"E
			5	Plot D	1	25° 9'39.46"N 84°27'53.18"E
					2	25° 9'40.37"N 84°28'3.26"E
					3	25° 9'30.70"N 84°28'3.14"E

SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					4	25° 9'36.95"N 84°27'53.97"E
			4.8	Plot E	1	25° 9'59.65"N 84°27'52.23"E
					2	25°10'1.53"N 84°27'56.11"E
					3	25° 9'52.38"N 84°28'1.45"E
					4	25° 9'49.98"N 84°27'55.51"E
14	Son	Dhandhihan Ghat 1	5	Plot A	1	25°33'45.33"N 84°47'34.42"E
					2	25°33'41.86"N 84°47'38.22"E
					3	25°33'34.80"N 84°47'29.22"E
					4	25°33'38.96"N 84°47'25.80"E

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SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
			5	Plot B	1	25°33'38.85"N 84°47'24.93"E
					2	25°33'34.48"N 84°47'28.34"E
					3	25°33'28.26"N 84°47'21.72"E
					4	25°33'32.02"N 84°47'16.71"E
			5	Plot C	1	25°33'31.02"N 84°47'15.89"E
					2	25°33'27.07"N 84°47'20.47"E
					3	25°33'21.20"N 84°47'13.62"E
					4	25°33'24.45"N 84°47'6.12"E
			5	Plot D	1	25°33'23.99"N 84°47'7.16"E

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SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					2	25°33'19.75"N 84°47'14.35"E
					3	25°33'14.72"N 84°47'9.68"E
					4	25°33'18.82"N 84°47'2.13"E
			4.8	Plot E	1	25°33'35.79"N 84°47'32.15"E
					2	25°33'34.36"N 84°47'33.77"E
					3	25°33'20.47"N 84°47'19.27"E
					4	25°33'22.17"N 84°47'16.31"E
15	Son	Saraundha Ghat	5	Plot A	1	25°34'26.69"N 84°48'21.79"E
					2	25°34'27.97"N 84°48'31.53"E

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SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					3	25°34'21.96"N 84°48'32.49"E
					4	25°34'20.97"N 84°48'33.82"E
			5	Plot B	1	25°34'31.26"N 84°48'20.63"E
					2	25°34'30.08"N 84°48'29.44"E
					3	25°34'28.44"N 84°48'31.13"E
					4	25°34'27.07"N 84°48'22.22"E
			4.5	Plot C	1	25°34'29.84"N 84°48'19.19"E
					2	25°34'29.84"N 84°48'20.54"E
					3	25°34'20.18"N 84°48'22.37"E

SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					4	25°34'19.46"N 84°48'13.17"E
16	Son	Abgila Ghat	5	Plot A	1	25°14'42.82"N 84°37'0.31"E
					2	25°14'35.83"N 84°37'3.16"E
					3	25°14'33.93"N 84°36'56.15"E
					4	25°14'41.59"N 84°36'52.98"E
			5	Plot B	1	25°14'44.81"N 84°37'8.28"E
					2	25°14'37.33"N 84°37'12.04"E
					3	25°14'36.00"N 84°37'4.67"E
					4	25°14'43.37"N 84°37'1.50"E

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SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
			5	Plot C	1	25°14'46.93"N 84°37'17.24"E
					2	25°14'41.27"N 84°37'19.91"E
					3	25°14'37.27"N 84°37'13.37"E
					4	25°14'44.95"N 84°37'9.47"E
			2.5	Plot D	1	25°14'48.23"N 84°37'25.76"E
					2	25°14'47.22"N 84°37'26.42"E
					3	25°14'41.62"N 84°37'20.92"E
					4	25°14'47.00"N 84°37'18.25"E
			4.5	Plot E	1	25°14'41.38"N 84°36'52.40"E

SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					2	25°14'33.89"N 84°36'55.41"E
					3	25°14'32.05"N 84°36'49.20"E
					4	25°14'40.21"N 84°36'46.43"E
17	Son	Baruhi Ghat 1	5	Plot A	1	25°16'36.93"N 84°39'23.23"E
					2	25°16'42.68"N 84°39'27.39"E
					3	25°16'40.25"N 84°39'33.56"E
					4	25°16'32.73"N 84°39'31.33"E
			5	Plot B	1	25°16'36.48"N 84°39'21.70"E
					2	25°16'31.98"N 84°39'30.76"E

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Sl. NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					3	25°16'26.95"N 84°39'26.83"E
					4	25°16'31.37"N 84°39'18.94"E
			5	Plot C	1	25°16'39.94"N 84°39'34.43"E
					2	25°16'39.30"N 84°39'41.82"E
					3	25°16'35.60"N 84°39'39.97"E
					4	25°16'32.30"N 84°39'32.65"E
			5	Plot D	1	25°16'31.74"N 84°39'31.90"E
					2	25°16'30.78"N 84°39'39.64"E
					3	25°16'32.37"N 84°39'32.75"E

SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					4	25°16'26.61"N 84°39'27.57"E
18	Ganga	Babura Ghat	4.5	Plot A	1	25°41'5.21"N 84°46'22.19"E
					2	25°41'7.08"N 84°46'31.90"E
					3	25°41'2.00"N 84°46'33.71"E
					4	25°41'0.66"N 84°46'22.50"E
			3.5	Plot B	1	25°41'3.40"N 84°46'9.80"E
					2	25°41'4.46"N 84°46'21.35"E
					3	25°41'1.13"N 84°46'21.51"E
					4	25°41'1.75"N 84°46'9.80"E

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Sl. NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
			3.5	Plot C	1	25°41'9.61"N 84°45'56.35"E
					2	25°41'5.65"N 84°46'8.86"E
					3	25°41'3.25"N 84°46'7.92"E
					4	25°41'6.21"N 84°45'56.15"E
			4.5	Plot D	1	25°41'11.02"N 84°46'10.76"E
					2	25°41'10.22"N 84°46'21.38"E
					3	25°41'5.25"N 84°46'21.15"E
					4	25°41'6.09"N 84°46'10.67"E
			4.5	Plot E	1	25°41'12.95"N 84°46'22.00"E

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SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					2	25°41'11.35"N 84°46'32.17"E
					3	25°41'7.32"N 84°46'32.38"E
					4	25°41'5.76"N 84°46'22.33"E
19	Ganga	Ekanna Ghat	4.5	Plot A	1	25°41'54.56"N 84°44'17.55"E
					2	25°41'54.81"N 84°44'20.48"E
					3	25°41'42.26"N 84°44'20.16"E
					4	25°41'44.02"N 84°44'14.34"E
			4.5	Plot B	1	25°41'43.36"N 84°44'12.56"E
					2	25°41'41.70"N 84°44'19.24"E

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SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					3	25°41'34.84"N 84°44'15.21"E
					4	25°41'36.32"N 84°44'8.69"E
			4.5	Plot C	1	25°41'31.43"N 84°44'4.60"E
					2	25°41'30.35"N 84°44'16.29"E
					3	25°41'27.52"N 84°44'15.51"E
					4	25°41'25.65"N 84°44'2.61"E
			4.5	Plot D	1	25°41'43.57"N 84°44'21.34"E
					2	25°41'40.05"N 84°44'25.19"E
					3	25°41'32.20"N 84°44'22.31"E

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Sl. NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					4	25°41'34.06"N 84°44'16.50"E
			2	Plot E	1	25°42'2.06"N 84°44'20.17"E
					2	25°42'1.90"N 84°44'22.60"E
					3	25°41'55.65"N 84°44'23.15"E
					4	25°41'55.58"N 84°44'18.31"E
20	Ganga	Barhara Ghat	5	Plot A	1	25°41'25.98"N 84°43'41.40"E
					2	25°41'22.36"N 84°43'46.11"E
					3	25°41'13.96"N 84°43'39.53"E
					4	25°41'20.99"N 84°43'34.32"E

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Sl. NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
			5	Plot B	1	25°41'20.34"N 84°43'33.35"E
					2	25°41'15.04"N 84°43'38.38"E
					3	25°41'9.87"N 84°43'32.77"E
					4	25°41'16.18"N 84°43'27.36"E
			5	Plot C	1	25°41'15.49"N 84°43'26.60"E
					2	25°41'8.74"N 84°43'31.33"E
					3	25°41'4.57"N 84°43'25.83"E
					4	25°41'10.43"N 84°43'20.62"E
			5	Plot D	1	25°41'9.33"N 84°43'19.53"E

SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					2	25°41'3.60"N 84°43'24.83"E
					3	25°40'58.78"N 84°43'19.31"E
					4	25°41'5.54"N 84°43'13.90"E
			4.8	Plot E	1	25°41'4.36"N 84°43'11.90"E
					2	25°40'58.07"N 84°43'16.95"E
					3	25°40'54.70"N 84°43'9.60"E
					4	25°41'0.02"N 84°43'5.95"E

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SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
1	Son	Nonaur	24.5	Plot A	1	25°17'53.81"N 84°40'08.48"E
					2	25°18'8.01"N 84°40'16.39"E
					3	25°18'2.43"N 84°40'37.33"E
					4	25°17'47.62"N 84°40'26.00"E
2	Son	Karbasin Nonaur	24.6	Plot A	1	25°18'41.87"N 84°40'37.39"E
					2	25°18'34.88"N 84°40'46.58"E
					3	25°18'17.54"N 84°40'38.34"E
					4	25°18'24.15"N 84°40'23.57"E
3	Son	Mehandaura Brahpur Ghat	24	Plot A	1	25°18'53.32"N 84°40'54.25"E

SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					2	25°19'1.75"N 84°41'27.76"E
					3	25°18'56.12"N 84°41'33.02"E
					4	25°18'45.50"N 84°41'1.83"E
4	Son	Naraiyanaganj	20	Plot A	1	25°19'32.15"N 84°42'30.91"E
					2	25°19'32.49"N 84°42'51.34"E
					3	25°19'27.69"N 84°42'50.49"E
					4	25°19'21.63"N 84°42'39.55"E
					5	25°19'20.76"N 84°42'21.38"E
5	Son	Baga & Bhikhamchak	24.7	Plot A	1	25°20'43.44"N 84°43'3.24"E

SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					2	25°20'39.66"N 84°43'16.85"E
					3	25°20'21.45"N 84°43'13.08"E
					4	25°20'25.89"N 84°42'56.98"E
6	Son	Khamkheranpur & Ahimanchak Ghat	24.4	Plot A	1	25°21'2.81"N 84°43'3.38"E
					2	25°21'20.20"N 84°43'10.86"E
					3	25°21'16.25"N 84°43'24.85"E
					4	25°20'58.43"N 84°43'18.21"E
7	Son	Phulari Ghat	22	Plot A	1	25°21'47.30"N 84°43'35.69"E
					2	25°22'0.54"N 84°43'54.39"E

SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					3	25°21'56.85"N 84°44'2.98"E
					4	25°21'40.44"N 84°43'50.38"E
8	Son	Khandaul Saraiya Ghat	22.8	Plot A	1	25°22'42.99"N 84°44'2.66"E
					2	25°22'29.15"N 84°44'19.51"E
					3	25°22'12.35"N 84°44'11.78"E
					4	25°22'15.48"N 84°43'59.91"E
9	Son	Trikaul Ghat	18	Plot A	1	25°24'51.26"N 84°45'2.51"E
					2	25°24'45.42"N 84°45'8.53"E
					3	25°24'27.63"N 84°45'0.69"E

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SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					4	25°24'37.32"N 84°44'50.29"E
10	Son	Chilhauns Ghat 1	24	Plot A	1	25°26'34.01"N 84°46'58.12"E
					2	25°26'31.62"N 84°46'13.33"E
					3	25°26'14.37"N 84°46'10.71"E
					4	25°26'23.98"N 84°45'49.78"E
11	Son	Sarimpur Bachri Ghat	24	Plot A	1	25°28'48.90"N 84°45'31.39"E
					2	25°28'32.30"N 84°45'44.09"E
					3	25°28'31.26"N 84°45'49.61"E
					1	25°28'28.19"N 84°45'37.60"E

बिहार राज्य पर्यावरण प्रभाव आकलन प्राधिकरण SEIAA, Bihar

SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
12	Son	Fatehpur Ghat 1	29	Plot A	1	25°13'11.70"N 84°31'47.67"E
					2	25°13'12.25"N 84°32'0.64"E
					3	25°12'50.88"N 84°31'59.61"E
					4	25°12'50.72"N 84°31'50.74"E
13	Son	Ludipur Ghat	20	Plot A	1	25°13'14.91"N 84°32'55.93"E
					2	25°13'22.64"N 84°33'18.35"E
					3	25°13'14.84"N 84°33'23.75"E
					4	25°13'6.03"N 84°32'56.79"E
14	Son	Imadpur Ghat	18.5	Plot A	1	25°12'32.25"N 84°29'36.44"E

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SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					2	25°12'42.51"N 84°29'52.98"E
					3	25°12'31.42"N 84°29'59.47"E
					4	25°12'24.28"N 84°29'42.64"E
15	Son	TV Sanctorium Ghat	20	Plot A	1	25°35'26.07"N 84°48'10.34"E
					2	25°35'26.90"N 84°48'33.34"E
					3	25°35'16.11"N 84°48'30.58"E
					4	25°35'15.85"N 84°48'9.12"E
16	Son	Haripur & Sadashipur Ghat 1	5.87	Plot A	1	25°37'1.22"N 84°48'28.41"E
					2	25°36'57.97"N 84°48'38.63"E

SL NO.	Name of River	Name of Ghat	Area	Sand Plot	Pillar	Coordinates
					3	25°36'52.05"N 84°48'36.64"E
					4	25°36'54.22"N 84°48'27.26"E
17	Ganga	Shivchak Ghat	24.2	Plot A	1	25°41'14.98"N 84°29'8.07"E
					2	25°41'19.91"N 84°29'14.57"E
					3	25°40'59.89"N 84°29'39.52"E
					4	25°40'53.33"N 84°29'32.75"E

Sl. No	Name of Ghat	Area (Ha.)	EC No. & Date	Lease Validity Date up to
1	NANSAGAR GHAT	24	446/23.12.2016	22.12.2021

2	NARAYANPUR GHAT	24	443/23.12.2016	22.12.2021
3	BHAGWATPUR GHAT	23	445/23.12.21016	22.12.2021
4	KHANGAON & BAHIARA GHAT	22	450/23.12.2016	22.12.2021
5	KUBERCHAK GHAT	20	444/23.12.2016	22.12.2021
6	NEW HARIPUR (CHITTAMPUR) GHAT	22	514/16.02.2017	15.02.2022
7	HARIPUR & SADASHIVPUR GHAT	23	513/16.02.2017	15.02.2022
8	MANACHAK	15	448/23.12.2016	22.12.2021
9	KAMALUCHAK & SEMRA GHAT	20	515/16.02.2017	15.02.2022
10	SANDESH GHAT	10	385/21.03.2016	20.03.2021
11	KIRKIREE GHAT	15	388/21.03.2016	20.03.2021
12	BARUHI GHAT	15	391/28.03.2016	27.03.2021
13	PEUR GHAT	20	393/28.03.2016	27.03.2021
14	KARBASIN Ghat	15	390/28.03.2016	27.03.2021
15	FATEHPUR GHAT	14	214/10.05.2016	04.10.2021

16	ANDHERY GHAT	17	387/21.03.2016	20.03.2021
17	BIHTA	15	386/21.03 2016	20.03.2021
18	CHILHAUNS GHAT	12	447/23.12.2016	22.12.2021
19	FARAHANGPUR GHAT	20	449/23.12.2016	22.12.2021
20	ABGILA GHAT	22	130/19.02.2018	18.02.2023
21	ANDHARI-1 GHAT	24.5	130/19.02.2018	18.02.2023
22	BARUHI-1 GHAT	20	130/19.02.2018	18.02.2023
23	BIHTA-1 GHAT	24.8	130/19.02.2018	18.02.2023
24	DHANDUHA-1 GHAT	24.8	130/19.02.2018	18.02.2023
25	FARHANGPUR-1 GHAT	17	130/19.02.2018	18.02.2023
26	KAMALUCHAK MAHUI SEMARIYA GHAT	14.5	130/19.02.2018	18.02.2023
27	KHAIRA GHAT	24	130/19.02.2018	18.02.2023
28	KHANGAON GHAT	24.8	130/19.02.2018	18.02.2023
29	KHANGAON GHAT 1	24.8	130/19.02.2018	18.02.2023

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30	KHARAON KALAN GHAT	24.5	130/19.02.2018	18.02 2023
31	KOILWAR CHITTAMPUR GHAT	15	130/19.02.2018	18.02 2023
32	MAHUI GHAT	24.8	130/19.02.2018	18.02 2023
33	SAHAR PUERCHAK GHAT	24.8	130/19.02.2018	18 02 2023
34	SARIMPUR & BACHARI-1 GHAT	24.8	130/19.02.2018	18.02.2023
35	SURUNDHA GHAT	14.5	130/19.02.2018	18.02.2023
36	SEMRA MAKDUMPUR GHAT	4	130/19.02.2018	18 02 2023
37	BABURA GHAT	20.5	130/19.02.2018	18.02.2023
38	EKAUNA GHAT	20	130/19.02.2018	18.02.2023
39	BARHARA GHAT	24.8	130/19.02.2018	18.02.2023
40	NONAUR	24.5	F. No.- SIA/1(a)/ 631/19/ 22.04 2020	21.04.2025
41	KARBASIN NONAUR	24.6	F. No.- SIA/1(a)/ 643/19/ 22 04 2020	21.04.2025
42	MEHANDAURA BRAHPUR	24	F. No.- SIA/1(a)/ 640/19/ 22 04 2020	21.04.2025
43	NARAIYNAGANJ	20	F. No.- SIA/1(a)/ 642/19/ 21.04.2020	20.04.2025

44	BAGA & BEKHAMCHAK	24.7	F. No.- SIA/1(a): 649/19' 21.04.2020	20.04.2025
45	KHAMKHERANPUR & AHIMANCHAK GHAT	24.4	F. No.- SIA/1(a): 632/19' 22.04.2020	21.04.2025
46	PHOJARI	22	F. No.- SIA/1(a): 644/19' 21.04.2020	20.04.2025
47	KHANDAUL SARAIYA	22.8	F. No.- SIA/1(a): 681/19' 22.04.2020	21.04.2025
48	TRIKAUL	18	F. No.- SIA/1(a): 622/19' 21.04.2020	20.04.2025
49	CHILHAUNS GHAT I	24	F. No.- SIA/1(a)/ 635/19' 21.04.2020	20.04.2025
50	SARIMPUR BACHRI	24	F. No.- SIA/1(a)/ 645/19' 22.04.2020	21.04.2025
51	FATEHPUR GHAT I	20	F. No.- SIA/1(a): 638/19' 22.04.2020	21.04.2025
52	LODIPUR GHAT	20	F. No.- SIA/1(a): 639/19' 22.04.2020	21.04.2025
53	IMADPUR	18.5	F. No.- SIA/1(a): 621/19' 21.04.2020	20.04.2025
54	TV SENETORIUM	20	F. No.- SIA/1(a): 629/19' 22.04.2020	21.04.2025
55	HARIPUR & SADASHIVPUR GHAT I	5.87	F. No.- SIA/1(a): 623/19' 22.04.2020	21.04.2025

राज्य पर्यावरण समाघात निर्धारण प्राधिकार बिहार
SEIAA, Bihar

Annexure -II

Committee Involved in DSR as per Hon'ble Supreme Court Order dated 10-11-21, Civil Appeal No. 3661-3662/2020, State of Bihar & Others vs. Pawan Kumar & Others.



DISTRICT SURVEY REPORT PREPARED BY :-

SDM, ARA SADAR

SDM, PIRO

SDM, JAGDISHPUR

CIRCLE OFFICER, ARA SADAR

CIRCLE OFFICER, KOILWAR

CIRCLE OFFICER, BARHARA

CIRCLE OFFICER, SANDESH

CIRCLE OFFICER, AGIAON

CIRCLE OFFICER, SAHAR

CIRCLE OFFICER, UDWANTNAGAR

CIRCLE OFFICER, GARHANI

CIRCLE OFFICER, PIRO

CIRCLE OFFICER, JAGDISHPUR

CIRCLE OFFICER, TARARI

CIRCLE OFFICER, CHARPOKHRI

CIRCLE OFFICER, BIHIYA

CIRCLE OFFICER, SHAHPUR

FOREST RANGE OFFICER, BHOJPUR

SCIENTIST, BSPCB

EE, W.R.D, BHOJPUR

EE. MINRO IRR. DEPT., BHOJPUR

EE. R.C.D, BHOJPUR

MDO, BHOJPUR

MI, BHOJPUR

MI, BHOJPUR

SEIAA, Bihar

Annexure -III

(Photographs of the site survey)

SEIAA, Bihar

Bhojpur District Site Visit Photographs









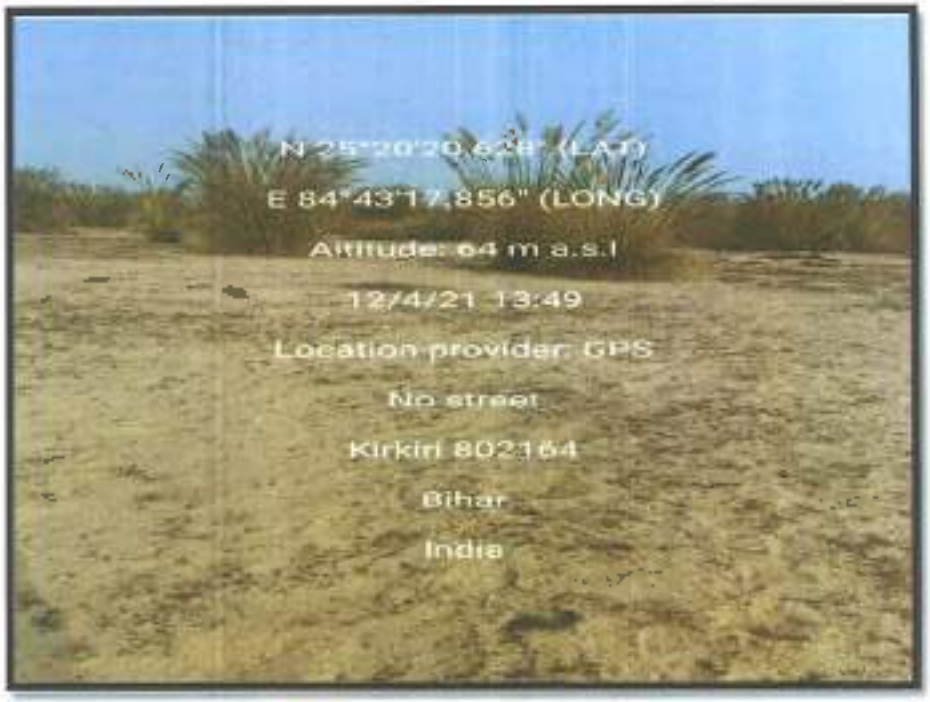




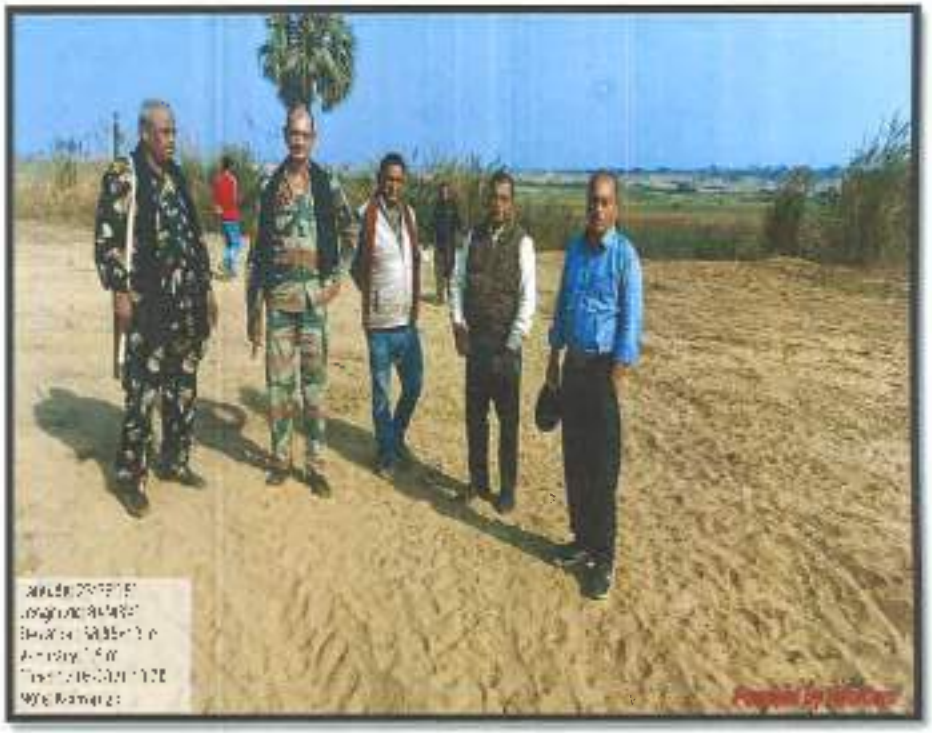




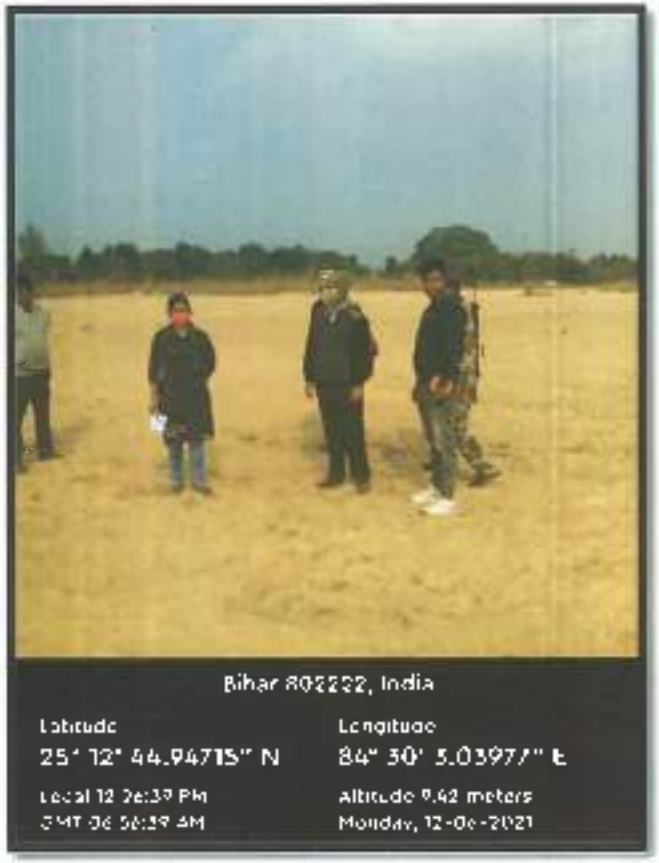

N 25°19'81.536" (LAT)
E 84°
Altitude:
12/4/21 14:44
Location provider: GPS
Unnamed Road
Barhampur Mehdaura 802164
Bihar
India

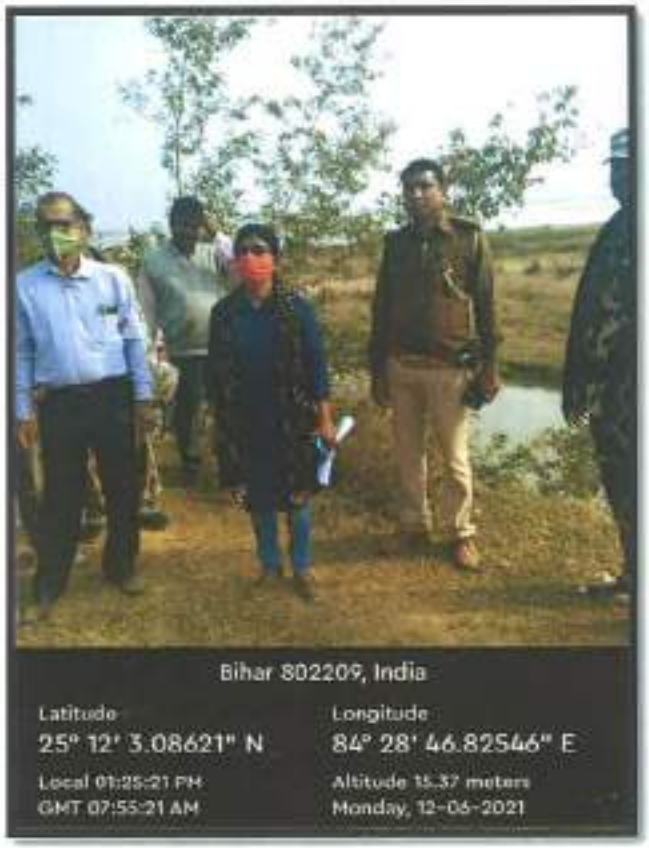

N 25°20'20.628" (LAT)
E 84°43'17.856" (LONG)
Altitude: 64 m a.s.l
12/4/21 13:49
Location provider: GPS
No street
Kirkiri 802164
Bihar
India


Bihar 802209, India
Latitude
25° 10' 35.92589" N
Local 02:26:56 PM
GMT 08:56:56 AM
Longitude
84° 28' 32.33788" E
Altitude 10.6 meters
Monday, 12-06-2021




Bihar 802209, India
Latitude
25° 10' 10.54128" N
Longitude
84° 28' 25.77139" E
Local 02:09:59 PM
GMT 08:39:59 AM
Altitude 19.21 meters
Monday, 12-06-2021


Bihar 802202, India
Latitude
25° 12' 44.94715" N
Longitude
84° 30' 5.03977" E
Local 12:26:39 PM
GMT 06:56:39 AM
Altitude 9.42 meters
Monday, 12-06-2021


Bihar 802209, India
Latitude
25° 12' 3.08621" N
Longitude
84° 28' 46.82546" E
Local 01:25:21 PM
GMT 07:55:21 AM
Altitude 15.37 meters
Monday, 12-06-2021

Annexure -IV

(Receiving copy of request letter to Director of ZSI to provide detailed map for "Gangetic Dolphin Habitation Zone Area" in Ganga River of Bhojpur district.)



Gmail

bhojpur mining <bhojpurmining@gmail.com>

Vide letter No-842, dt:11-02-2022

1 message

bhojpur mining <bhojpurmining@gmail.com> Sat, Feb 12, 2022 at 3:23 PM
To: gopal_dolphinboy@rediffmail.com

Respected Sir,

PFA

From

Mineral Development Officer,
Bhojpur, Ara

2 attachments

842, 11-02-2022.jpeg
128K

Anx.pdf
3498K

SEIAA, Bihar

District Mining Office, Bhojpur(Ara)

Mobile No.- 7549125597 E-mail ID-bhojpurmining@gmail.com

Letter No.- 842 Date- 11/02/2022

To,
The Director,
Zoological Survey of India,
Bihar

Sub:- Request to provide detailed map for Gangetic Dolphin Habitation Zone Area at the confluence of Son & Ganga River

Sir,

We would like to bring to your kind notice that in compliance of the interim order passed by the Hon'ble Supreme Court on 10-11-2021 in the case of Civil Appeal No. 3661-3662/2020, State of Bihar & Others vs. Pawan Kumar & Others, District Survey Report (DSR) is required to be prepared. The draft DSR was prepared and submitted to SEIAA for the appraisal. The technical committee SEAC, Bihar during it meeting held on dated 6th to 8th January 2022, sought a detailed map for Gangetic Dolphin Habitation Zone Area at the confluence of Son & Ganga River.

In this regard we request your good self to provide details of the Gangetic Dolphin Habitation zone in Bhojpur District.

Thanking You

Your's Faithfully
Mineral Development Officer,
Bhojpur, Ara

Encl: As above

SEIAA, Bihar

kumu 282, 20-21

Annexure -V

(Receiving copy of Replenishment study report)



Date of submission of Replenishment Study Report_ Bhojpur

Sl. No	Year	Date of Submission
1	2016	28-06-2019
2	2017	28-06-2019
3	2018	14-06-2019
4	2019	13-12-2019
5	2020(Pre-monsoon)	12-10-2020
6	2020(Post-monsoon)	28-12-2020



Annexure -VI

(Sp. Gravity & Bulk Density data of sand from NABL lab)



RAPPID

OUR DREAM IS QUALITY ONLY

RAPPID TEST LAB PRIVATE LIMITED

OUR DREAM IS QUALITY ONLY

NABL Accredited &AN ISO 9001:2015 Certified Laboratory

TEST REPORT

Ms. District Mining Office Bhojpur	ULR No.:TC102142200000007F
	Date of Receipt:12.02.2022
	Date of Testing: 12.02.2022-14.02.2022
Description of Sample: Ganga Sand	Date of Report: 14.02.2022
Name of River: Ganga	Name of Ghat: Babura
Name of Village: Babura	Name of Block: Koilwar
Ref No: Nil	

S. No.	TEST PARAMETERS	TEST METHOD	RESULTS	REQUIREMENTS
1	Specific gravity	IS 2386 (P-3):1963	2.0	-
2	Bulk Density (oven dry Compacted), kg/l	IS 2386 (P-3):1963	1.69	-

END OF REPORT

Authorized Signatory

Rappid Test Lab Pvt.Ltd.
Block-A,Raut City Commercal
Complex,Garikhana Khagaul
Patna-801105(Bihar)

SEIAA, Bihar

RAPPID

OUR DREAM IS QUALITY ONLY

RAPPID TEST LAB PRIVATE LIMITED

OUR DREAM IS QUALITY ONLY

NABL Accredited &AN ISO 9001:2015 Certified Laboratory

TEST REPORT

Ms. District Mining Office Bhojpur	ULR No.:TC102142200000006F
	Date of Receipt:12.02.2022
	Date of Testing: 12.02.2022-14.02.2022
Description of Sample: Sone Sand	Date of Report: 14.02.2022
Name of River: Sone	Name of Ghat:Tv senetorium
Name of Village : Koilwar	Name of Block: Koilwar
Ref No: Nil	

S. No.	TEST PARAMETERS	TEST METHOD	RESULTS	REQUIREMENTS
1	Specific gravity	IS 2386 (P-3)-1963	2.10	-
2	Bulk Density (oven dry Compacted), kg/l	IS 2386 (P-3)-1963	1.70	-

"END OF REPORT"

Authorized Signatory

Rappid Test Lab Pvt.Ltd.
Block-A,Raut City Commercal Complex,Garikhana Khagaul Patna-801105(Bihar)

SEIAA, Bihar

Annexure -VII

(Receiving copy of request letter DFO, Bhojpur to provide details of Protected Forest, ESZ and Wetland in Distt. Bhojpur)

Gmail

bhojpur mining <bhojpurmining@gmail.com>

Vide letter No-841, dt:11-02-2022

1 message

bhojpur mining <bhojpurmining@gmail.com>
To: dfobhojpurfdivision@gmail.com

Sat, Feb 12, 2022 at 3:27 PM

Respected Sir,

PFA

From
Mineral Development Officer,
Bhojpur, Ara

2 attachments

841, 11-02-2022.jpeg
154K

Anx.pdf
3499K



District Mining Office, Bhojpur(Ara)

Mobile No.–7549125357 E-mail ID-bhojpurmining@gmail.com

Letter No.– 841 Date– 11/02/2022

12-2-22

The Divisional Forest Officer,
Bhojpur

Sub:- Request to provide details of Protected Forest, ESZ and Wetland in District Bhojpur

Sir,

We would like to bring to your notice that in compliance of the interim order passed by the Hon'ble Supreme Court on 10-11-2021 in the case of Civil Appeal No.-3661-3662/2020, State of Bihar & Others vs. Pawan Kumar & Others, District Survey Report (DSR) is required to be prepared. In this regards we require details of the Protected Forest, ESZ and Wetland in District Bhojpur, so that, required distance from the proposed sand ghats can be maintained.

We therefore request you to provide details of Protected Forest, ESZ and Wetland in Distt. Bhojpur.

We are enclosing Geo Coordinates of the Sand Ghats for your reference.

Sl. No.	Name of River	Starting Points	End Points
1	Son	25°37'51.79"N 84°48'55.65"N	25°10'43.37"N 84°28'42.15"N
2	Ganga	25°41'6.66"N 84°41'41.77"N	25°42'3.11"N 84°25'53.70"N

Thanking You

Your's Faithfully
Mineral Development Officer,
Bhojpur, Ara

SEIAA, Bihar

Encl: As above

Memo No.- 841 /M, Date- 11/02/2022

Copy- District Magistrate, Bhojpur for kind information.

Mineral Development Officer,
Bhojpur, Ara

kumu 282, 20-21

कार्यालय, वन प्रमण्डल पदाधिकारी, भोजपुर वन प्रमण्डल, आरा।

कानन कोठी, धनुपरा, आरा, पिन–802301, E-mail -dfobhojpurfdivision@gmail.com

पत्रांक– 396 /

प्रेषक,

राज कुमार, एम., भाव्यसे
वन प्रमण्डल पदाधिकारी,
भोजपुर वन प्रमण्डल, आरा।

सेवा में,

जिला खनन पदाधिकारी,
भोजपुर।

दिनांक 23 / 02 / 2022

विषय :– भोजपुर जिलान्तर्गत सुरक्षित वन भूमि एवं आर्द्र भूमि की सूची उपलब्ध कराने के संबंध में।

प्रसंग:– आपके कार्यालय का पत्रांक 841 दिनांक 11.02.2022

महाशय,

उपर्युक्त प्रसंगाधीन विषय के संबंध में सूचित करना हैं कि प्रासंगिक पत्र भोजपुर जिलान्तर्गत द्वारा सुरक्षित वन भूमि की मांगी गई सुची इस पत्र के साथ संलग्न कर समर्पित की जा रही है।

उल्लेखनीय हैं कि भोजपुर जिलान्तर्गत अवस्थित आर्द्र भूमि की विवरणी निम्नवत् है:–

क्र० सं०	स्थल	GPS Reading	आर्द्र भूमि की स्थल विवरणी
1	2	3	4
1	Natural Ox Bow Lake/Cut off Meander	84.410715E 25.648682N 84.385802E 25.694273N	स्थानीय नाम– सुहिया भागड़, ग्राम+पंचायत– सुहिया, प्रखंड– शाहपुर।

अनुलग्नक– यथोक्त।

विश्वासभाजन

वन प्रमण्डल पदाधिकारी,
भोजपुर वन प्रमण्डल, आरा।

पर्यावरण समाघात निर्धारण प्राधिकार
SEIAA, Bihar

C:\2022\Chorikaran\24-02-2022(8).docx

जल संचित अभियान–संचय जल, बेहतर कल

पर्यावरण, वन एवं जलवायु परिवर्तन विभाग।

भोजपुर वन प्रमण्डल, आरा।

क्रमांक	पथ का नाम	नहर की लम्बाई (कि०मी० में)	अभियुक्ति
1	2	3	4
1	आरा मुख्य नहर	69 00	
2	डिहियाँ शाखा नहर	49 60	
3	सकला रजवाहा	26 00	
4	अगौना रजवाहा	4.80	
5	देव रजवाहा	11 00	
6	जगदीशपुर पैनेल	6 40	
7	बिहटा रजवाहा	4.80	
8	कुरमुरी रजवाहा	28.00	
9	प्रीतमपुर माईनर	3.20	
10	ऐडज पईन	3.00	
11	पनवारी रजवाहा	8.10	
12	कोईलवर रजवाहा	41 60	
13	एकवारी रजवाहा	8.50	
14	पड़नपुर रजवाहा	3.80	
15	अफजलपुर रजवाहा	5.00	
16	बाघी माइनर	3.20	
17	बाशो डिहरी माइनर	2.50	
18	कोरी उपरजवाहा	11.20	
19	सिलिया / नारायणपुर रजवाहा	21 60	
20	पावर रजवाहा	11.00	
21	जैतपुर रजवाहा	22.40	
22	बैलाउर रजवाहा	4.80	
23	फुसरे माइनर	3.28	
24	असनी रजवाहा	9.60	
25	धौराई रजवाहा	3.30	
26	चन्दवा रजवाहा	6.50	
27	धनूपरा रजवाहा	11.00	
28	मुसहुला रजवाहा	4 80	
29	बिदेयाय रजवाहा	9.60	
30	गहरुआ रजवाहा	5.60	
31	सिकरौल रजवाहा	8.50	
32	उड़नाडेह माइनर	1.75	
33	कटेया रजवाहा	34 40	
34	गडेहनी रजवाहा	18 40	
35	करौंय माइनर	4.80	
36	ककिला माईनर	6.40	
37	नारायणपुर उप रजवाहा	7.20	
38	ज्ञानपुर रजवाहा	5.50	
39	कटेया फैक्ट्री माइनर	5.00	
40	बलिगाँव माइनर	4.00	
41	तार रजवाहा	14.40	
42	बाँसारी रजवाहा	8.00	
43	हेतमपुर रजवाहा	15.60	

SEIAA, Bihar

क्रमांक	पथ का नाम	नहर की लम्बाई (कि०मी० में)	अभियुक्ति
1	2	3	4
44	धनश्याम लघु रजवाहा	3 50	
45	सलेमा वितरणी	5 20	
46	सियाचक वितरणी	15 18	
47	बरईया लघु नहर	3.20	
48	भोजपुर उप वितरणी	10.80	
49	जयनगर बांया समानान्तर नाला	3 20	
50	जयनगर दाया समानान्तर नाला	2 76	
51	पलारिया लघु नहर	3.81	
52	लालगंज लघु नहर	3.81	
53	सिखण्डा बाँया समानान्तर नाला	4 95	
54	सिखण्डा दाँया समानान्तर नाला	1 63	
55	मानस वितरणी	11.96	
56	अमेठी बाँया समानान्तर नाला	3.20	
57	अमेठी दाँया समानान्तर नाला	4 14	
58	सरना वितरणी	4 14	
59	रामपुर बाँया समानान्तर नाला	4 86	
60	रामपुर दाँया समानान्तर नाला	5.34	
61	नटवार बाँया समानान्तर नाला	4 80	
62	नटवार दाँया समानान्तर नाला	4 80	
63	बयसर मुख्य नहर	25.60	
64	सिकरौल बाँया समानान्तर नाला	5 60	
65	बसौली रजवाहा	11.20	
66	बसुधर रजवाहा	6.49	
67	मखवा दाँया समानान्तर नाला	4 80	
68	मखवा बाँया समानान्तर नाला	5 60	
69	डुमरी रजवाहा	5 60	
70	महदह रजवाहा	12.80	
71	मुकुन्दपुर रजवाहा	6 40	
72	जैल वैनल	4 80	
73	सारीपुर	2 40	
74	महदह आर0पी0सी0	6.49	
75	गुणसेज बांया समानान्तर नाला	3.38	
76	गुणसेज दाया समानान्तर नाला	3.20	
77	चौसटी बायां समानानतर नाला	59 29	
78	चौसटी दायां समानानतर नाला	4 33	
79	साथ रजवाहा	28.60	
80	गडिया रजवाहा	15 00	
81	रामिला उप रजवाहा	9.68	
82	अगरपुर उपरजवाहा	8.00	
83	बसन्तपुर उपरजवाहा	4.80	
84	सिकरौल रजवाहा	21.30	
85	सिकरौल बांया समानान्तर नाला	8.00	
86	नुआ रजवाहा	4.80	

वन प्रमण्डल पदाधिकारी,
भोजपुर वन प्रमण्डल, आरा।

SEIAA, Bihar

G:\2022\04 Sanction Road\24-02-2022 Bhojpur

पर्यावरण, वन एवं जलवायु परिवर्तन विभाग।

भोजपुर वन प्रमण्डल, आरा।

क्रमांक	पथ का नाम	पथ की लम्बाई (किलोमीटर में)	सीमांकन जिलों का नाम		अभियुक्ति
1	2	3	4	5	6
1	आरा–सासाराम पथ	91.80	भूमि पर सड़कों के दोनो और पत्थर/खाई से सीमांकन	भोजपुर/रोहतास	
2	आरा–बक्सर पथ	68.50		बक्सर	
3	सकड़ीह–संदेश–सहार पथ	55.00		भोजपुर	
4	बिहियाँ–जगदीशपुर–पीरो पथ	34.00		भोजपुर	
5	आरा–एकवैना–सहार पथ	35.00		भोजपुर	
6	नासरीगंज–दनवार–बिहिया पथ	18.00		रोहतास/भोजपुर	
7	संदेश–पवना पथ	18.00		भोजपुर	
8	बिहिया–तियर पथ	13.00		भोजपुर	
9	केशोपुर–गुण्डी–सरेया पथ	13.25		भोजपुर	
10	आरा–बड़हरा पथ	15.00		भोजपुर	
11	पीरो–सकड़ीह–बिहिया पथ	23.00		भोजपुर	
12	आरा–निहा पथ	16.00		भोजपुर	
13	आरा सलेमपुर पथ	16.00		भोजपुर	
14	सरेया–बतुआ–सलेमपुर पथ	10.00		भोजपुर	
15	बिहियाँ–सलेमपुर पथ	10.40		भोजपुर	
16	शाहपुर–धरौली पथ	6.00		भोजपुर	
17	सरना–करनामेपुर पथ	7.00		भोजपुर	
18	कोईलवर–बबुरा पथ	13.00		भोजपुर	
19	आरा–बक्सर लिंक पथ (बाजार)	3.00		भोजपुर	
20	आरा–बक्सर लिंक पथ (बाईपास)	1.80		भोजपुर	
21	कृष्णगढ़ लिंक पथ	1.50		भोजपुर	
22	करौंदी–सरना पथ	1.50		भोजपुर	
23	बाबु कुँअर सिंह लिंक पथ	3.00	भूमि पर सड़कों के दोनों और पत्थर/खाई से सीमांकन	भोजपुर	
24	आँगेआँव–गड़हनी पथ	6.00		भोजपुर	
25	नवादा चौक से आरा रेलवे गुमटी पूर्व पथ	1.20		भोजपुर	
26	परडी–सोनवर्षा पथ	7.00		भोजपुर	

वन प्रमण्डल पदाधिकारी,
भोजपुर वन प्रमण्डल, आरा।

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Annexure -VIII

(Individual Sandbar length and width of the river)



Individual Sandbar length and width of the river

Sl	District	River	NAME	Length_Km	Width_Km
1	Bhojpur	Ganga	BH_GA_PO_05	1.14	0.42
2	Bhojpur	Ganga	BH_GA_PO_08_09_10	5.24	0.65
3	Bhojpur	Ganga	BH_GA_PO_08A	1	0.23
4	Bhojpur	Ganga	BH_GA_PO_11	1.31	2.66
5	Bhojpur	Ganga	BH_GA_PO_12	4.66	0.2
6	Bhojpur	Ganga	BH_GA_PO_13	1.33	0.33
7	Bhojpur	Ganga	BH_GA_PO_14	0.8	0.2
8	Bhojpur	Ganga	BH_GA_PO_14_15_19A	1.5	0.68
9	Bhojpur	Ganga	BH_GA_PO_15	1.09	0.16
10	Bhojpur	Ganga	BH_GA_PO_17	0.4	0.33
11	Bhojpur	Ganga	BH_GA_PO_19	0.64	0.22
12	Bhojpur	Ganga	BH_GA_PO_18A	1.31	0.3
13	Bhojpur	Ganga	BH_GA_PO_16	5.21	0.47
14	Bhojpur	Ganga	BH_GA_PO_01A	0.33	0.23
15	Bhojpur	Ganga	BH_GA_PO_03A	1.35	0.32
16	Bhojpur	Sone	BH_SN_PO_01	2.05	0.38
17	Bhojpur	Sone	BH_SN_PO_02_04_05	5	1.22
18	Bhojpur	Sone	BH_SN_PO_03A	1.06	0.36
19	Bhojpur	Sone	BH_SN_PO_03_06	1.5	0.59
20	Bhojpur	Sone	BH_SN_PO_07_09_10	2.58	0.41
21	Bhojpur	Sone	BH_SN_PO_08	1.16	0.12
22	Bhojpur	Sone	BH_SN_PO_12	2.14	0.6
23	Bhojpur	Sone	BH_SN_PO_13	0.93	0.31
24	Bhojpur	Sone	BH_SN_PO_15	5.8	0.85
25	Bhojpur	Sone	BH_SN_PO_16	3	0.57
26	Bhojpur	Sone	BH_SN_PO_18	4.46	0.62
27	Bhojpur	Sone	BH_SN_PO_17	2.12	0.82
28	Bhojpur	Sone	BH_SN_PO_19	1.43	0.23
29	Bhojpur	Sone	BH_SN_PO_18A	0.65	0.69
30	Bhojpur	Sone	BH_SN_PO_20_21_23_33	8.12	0.55
31	Bhojpur	Sone	BH_SN_PO_25	2.76	0.522
32	Bhojpur	Sone	BH_SN_PO_26_27_28	4.04	1.1
33	Bhojpur	Sone	BH_SN_PO_30_31	1.99	0.33
34	Bhojpur	Sone	BH_SN_PO_29	2.69	0.38
35	Bhojpur	Sone	BH_SN_PO_33	3.04	0.58
36	Bhojpur	Sone	BH_SN_PO_32	0.58	0.21
37	Bhojpur	Sone	BH_SN_PO_35_36_38	5.19	0.8
38	Bhojpur	Sone	BH_SN_PO_34	1.74	3.17
39	Bhojpur	Sone	BH_SN_PO_37_39_40_41_42_43_44_45	9.48	0.58
40	Bhojpur	Sone	BH_SN_PO_41A	0.48	0.22
41	Bhojpur	Sone	BH_SN_PO_46_47	3.13	0.26

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42	Bhojpur	Sone	BH_SN_PO_47A	0.43	0.1
43	Bhojpur	Sone	BH_SN_PO_48	1.53	0.36
44	Bhojpur	Sone	BH_SN_PO_48A	0.88	0.14
45	Bhojpur	Sone	BH_SN_PO_49	1.53	26
46	Bhojpur	Sone	BH_SN_PO_50_51	1.11	0.2
47	Bhojpur	Sone	BH_SN_PO_52_53	3.2	0.34
48	Bhojpur	Sone	BH_SN_PO_54	1.2	0.31



Annexure -IX

Proposed /(Block Distribution of Sand Ghats)



BHOJPUR SAND GHAT ON RIVER GANGA

SL NO	DISTRICT	RIVER NAME	ID	CODE	LATITUDE	LONGITUDE	AREA
1	BHOJPUR	GANGA	1	BHOJ GANG1	25° 41' 56.827" N	84° 41' 41.511" E	10.5
2			2		25° 42' 29.644" N	84° 41' 28.327" E	
3			3		25° 42' 18.444" N	84° 41' 39.564" E	
4			4		25° 42' 10.647" N	84° 41' 41.345" E	
5			1	BHOJ GANG 2	25° 44' 12.519" N	84° 40' 46.039" E	14
6			2		25° 44' 13.892" N	84° 40' 56.525" E	
7			3		25° 44' 16.059" N	84° 41' 2.579" E	
8			4		25° 44' 10.796" N	84° 41' 8.514" E	
9			5		25° 44' 5.639" N	84° 41' 7.101" E	
10			6		25° 44' 3.475" N	84° 40' 58.503" E	
11			7		25° 44' 11.122" N	84° 40' 46.961" E	
12			1	BHOJ GANG 3	25° 43' 24.692" N	84° 37' 37.083" E	27.5
13			2		25° 43' 19.240" N	84° 37' 42.346" E	
14			3		25° 43' 8.300" N	84° 37' 31.164" E	
15			4		25° 43' 3.620" N	84° 37' 31.646" E	
16			5		25° 42' 46.711" N	84° 37' 12.022" E	
17			6		25° 42' 48.355" N	84° 37' 9.924" E	
18			7		25° 42' 56.752" N	84° 37' 15.721" E	
19			8		25° 43' 3.149" N	84° 37' 17.755" E	
20			9		25° 43' 3.614" N	84° 37' 20.867" E	
21			10		25° 43' 10.980" N	84° 37' 22.680" E	
22			1	BHOH GANG 4	25° 41' 15.020" N	84° 29' 11.205" E	24
23			2		25° 41' 16.929" N	84° 29' 18.311" E	
24			3		25° 41' 6.695" N	84° 29' 33.435" E	

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25			5		25° 40' 57.051" N	84° 29' 41.475" E	
26			5		25° 40' 48.033" N	84° 29' 41.030" E	
27			6		25° 41' 2.197" N	84° 29' 24.590" E	
28			7		25° 41' 11.664" N	84° 29' 14.140" E	
29			1	BHOJ GANG 5	25° 42' 1.531" N	84° 26' 32.921" E	19
30			2		25° 41' 59.319" N	84° 26' 50.514" E	
31			3		25° 41' 56.613" N	84° 26' 57.798" E	
32			4		25° 41' 54.943" N	84° 27' 6.662" E	
33			5		25° 41' 50.001" N	84° 27' 5.473" E	
34			6		25° 41' 51.550" N	84° 26' 42.208" E	
35			7		25° 41' 58.987" N	84° 26' 33.213" E	
Total Area (Ha.)							95.0

BHOJPUR SAND GHAT ON RIVER SON RIVER

SL NO	DISTRICT	RIVER NAME	ID	CODE	AREA	LATITUDE	LONGITUDE
1	BHOJPUR	SON	1	BHOJ SON 01	27	25° 37' 38.451" N	84° 48' 55.188" E
2			2			25° 37' 21.736" N	84° 48' 46.558" E
3			3			25° 37' 22.223" N	84° 48' 38.862" E
4			4			25° 37' 38.108" N	84° 48' 44.035" E
5			5			25° 37' 49.452" N	84° 48' 46.670" E
6			6			25° 37' 52.213" N	84° 48' 56.006" E
7			7			25° 37' 49.656" N	84° 49' 0.536" E
9			1	BHOJ SON 02	12	25° 36' 43.537" N	84° 48' 33.967" E
10			2			25° 36' 38.248" N	84° 48' 31.684" E
11			3			25° 36' 28.463" N	84° 48' 27.476" E
12			4			25° 36' 29.734" N	84° 48' 23.062" E
13			5			25° 36' 36.804" N	84° 48' 25.593" E
14			6			25° 36' 53.426" N	84° 48' 30.284" E
15			7			25° 36' 52.023" N	84° 48' 36.533" E
17			1	BHOJ SON 03	34	25° 35' 31.401" N	84° 48' 37.861" E
18			2			25° 35' 16.128" N	84° 48' 28.064" E
19			3			25° 35' 14.192" N	84° 48' 26.096" E
20			4			25° 35' 19.428" N	84° 48' 12.582" E
21			5			25° 35' 26.263" N	84° 48' 15.950" E
22			6			25° 35' 39.116" N	84° 48' 30.704" E
23			7			25° 35' 43.766" N	84° 48' 41.379" E
24			8			25° 35' 38.945" N	84° 48' 42.700" E
25			9			25° 35' 33.215" N	84° 48' 39.025" E
27			1	BHOJ SON 04	13	25° 34' 46.507" N	84° 48' 13.319" E
28			2			25° 34' 48.776" N	84° 48' 9.274" E

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29			3			25° 34' 51.965" N	84° 48' 3.592" E
30			4			25° 35' 2.881" N	84° 48' 7.176" E
31			5			25° 34' 58.626" N	84° 48' 19.632" E
33			1	BHOJ SON 05	35	25° 32' 56.419" N	84° 47' 0.644" E
34			2			25° 32' 43.056" N	84° 46' 46.462" E
35			3			25° 32' 28.645" N	84° 46' 31.168" E
36			4			25° 32' 40.595" N	84° 46' 30.743" E
37			5			25° 32' 45.246" N	84° 46' 35.700" E
38			6			25° 32' 52.967" N	84° 46' 40.352" E
39			7			25° 32' 56.044" N	84° 46' 41.045" E
40			8			25° 32' 52.774" N	84° 46' 46.413" E
41			9			25° 32' 54.668" N	84° 46' 52.962" E
42			10			25° 33' 19.545" N	84° 47' 10.805" E
43			11			25° 33' 32.141" N	84° 47' 25.520" E
44			12			25° 33' 28.164" N	84° 47' 31.663" E
45			13			25° 33' 17.588" N	84° 47' 22.013" E
46			14			25° 33' 0.088" N	84° 47' 4.538" E
48			1	BHOJ SON 06	37	25° 31' 33.577" N	84° 46' 7.310" E
49			2			25° 31' 45.378" N	84° 46' 2.551" E
50			3			25° 31' 39.492" N	84° 45' 54.083" E
51			4			25° 31' 32.320" N	84° 45' 45.696" E
52			5			25° 31' 35.489" N	84° 45' 44.248" E
53			6			25° 31' 42.497" N	84° 45' 50.040" E
54			7			25° 31' 48.805" N	84° 45' 57.937" E
55			8			25° 31' 58.167" N	84° 45' 58.581" E
56			9			25° 32' 10.600" N	84° 46' 7.094" E
57			10			25° 32' 13.485" N	84° 46' 21.158" E
58			11			25° 32' 6.968" N	84° 46' 18.354" E
59			12			25° 31' 56.964" N	84° 46' 7.275" E

60			13			25° 31' 50.811" N	84° 46' 6.830" E
61			14			25° 31' 44.163" N	84° 46' 10.804" E
63			1	BHOJ SON 07	30	25° 31' 1.610" N	84° 45' 26.568" E
64			2			25° 31' 9.993" N	84° 45' 29.416" E
65			3			25° 31' 6.634" N	84° 45' 34.140" E
66			4			25° 30' 49.778" N	84° 45' 34.439" E
67			5			25° 30' 24.452" N	84° 45' 27.713" E
68			6			25° 30' 32.304" N	84° 45' 22.146" E
69			7			25° 30' 37.571" N	84° 45' 21.507" E
71			1	BHOJ SON 08	18	25° 29' 47.546" N	84° 45' 23.629" E
72			2			25° 29' 43.780" N	84° 45' 24.387" E
73			3			25° 29' 33.821" N	84° 45' 26.393" E
74			4			25° 29' 35.130" N	84° 45' 21.565" E
75			5			25° 29' 38.074" N	84° 45' 19.767" E
76			6			25° 29' 41.798" N	84° 45' 15.208" E
77			7			25° 29' 47.936" N	84° 45' 14.268" E
78			8			25° 29' 54.207" N	84° 45' 15.753" E
79			9			25° 30' 1.347" N	84° 45' 18.356" E
80			10			25° 30' 10.527" N	84° 45' 16.433" E
81			11			25° 30' 9.593" N	84° 45' 19.190" E
83			1	BHOJ SON 09	51	25° 28' 3.891" N	84° 45' 51.109" E
84			2			25° 28' 4.957" N	84° 45' 50.611" E
85			3			25° 28' 33.210" N	84° 45' 38.084" E
86			4			25° 28' 35.760" N	84° 45' 36.953" E
87			5			25° 28' 31.097" N	84° 45' 28.936" E
88			6			25° 29' 0.738" N	84° 45' 23.897" E
89			7			25° 29' 3.365" N	84° 45' 28.464" E
90			8			25° 29' 5.718" N	84° 45' 30.922" E
91			9			25° 29' 3.678" N	84° 45' 32.619" E

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92			10			25° 28' 57.424" N	84° 45' 30.403" E
93			11			25° 28' 51.097" N	84° 45' 32.955" E
94			12			25° 28' 48.770" N	84° 45' 33.894" E
95			13			25° 28' 46.168" N	84° 45' 35.952" E
96			14			25° 28' 36.828" N	84° 45' 43.340" E
97			15			25° 28' 37.602" N	84° 45' 45.874" E
98			16			25° 28' 35.957" N	84° 45' 48.967" E
99			17			25° 28' 23.192" N	84° 45' 57.281" E
100			18			25° 28' 16.013" N	84° 46' 1.957" E
101			19			25° 28' 9.954" N	84° 46' 5.903" E
102			20			25° 28' 3.882" N	84° 45' 51.110" E
104			1	BHOJ SON 10	72	25° 27' 35.269" N	84° 45' 53.372" E
105			2			25° 27' 35.349" N	84° 45' 53.319" E
106			3			25° 28' 3.882" N	84° 45' 51.110" E
107			4			25° 28' 3.891" N	84° 45' 51.109" E
108			5			25° 28' 9.982" N	84° 46' 5.885" E
109			6			25° 28' 10.001" N	84° 46' 5.930" E
110			7			25° 27' 48.700" N	84° 46' 23.545" E
111			8			25° 27' 43.706" N	84° 46' 27.675" E
112			9			25° 27' 40.057" N	84° 46' 30.669" E
114			1	BHOJ SON 11	77	25° 27' 9.209" N	84° 45' 57.044" E
115			2			25° 27' 9.194" N	84° 45' 56.987" E
116			3			25° 27' 19.830" N	84° 45' 54.224" E
117			4			25° 27' 35.269" N	84° 45' 53.372" E
118			5			25° 27' 40.057" N	84° 46' 30.669" E
119			6			25° 27' 26.149" N	84° 46' 30.171" E
120			7			25° 27' 21.776" N	84° 46' 30.015" E
121			8			25° 27' 16.698" N	84° 46' 29.833" E
123			1	BHOJ SON 12	95	25° 26' 39.540" N	84° 46' 4.343" E

124			2			25° 26' 39.536" N	84° 46' 4.331" E
125			3			25° 26' 51.671" N	84° 46' 2.074" E
126			4			25° 27' 9.140" N	84° 45' 57.064" E
127			5			25° 27' 9.209" N	84° 45' 57.044" E
128			6			25° 27' 16.698" N	84° 46' 29.833" E
129			7			25° 27' 16.708" N	84° 46' 29.876" E
130			8			25° 26' 59.042" N	84° 46' 36.460" E
131			9			25° 26' 58.256" N	84° 46' 41.811" E
132			10			25° 26' 54.738" N	84° 46' 44.890" E
133			11			25° 26' 53.483" N	84° 46' 45.988" E
134			12			25° 26' 51.319" N	84° 46' 47.780" E
135			13			25° 26' 40.789" N	84° 46' 8.950" E
137			1	BHOJ SON 13	71	25° 26' 20.698" N	84° 45' 58.335" E
138			2			25° 26' 39.536" N	84° 46' 4.331" E
139			3			25° 26' 40.789" N	84° 46' 8.950" E
140			4			25° 26' 51.319" N	84° 46' 47.780" E
141			5			25° 26' 51.316" N	84° 46' 47.778" E
142			6			25° 26' 35.903" N	84° 46' 38.398" E
143			7			25° 26' 24.009" N	84° 46' 22.290" E
144			8			25° 26' 18.443" N	84° 46' 17.755" E
145			9			25° 26' 17.382" N	84° 46' 15.787" E
146			10			25° 26' 16.305" N	84° 46' 13.790" E
147			11			25° 26' 15.193" N	84° 46' 11.729" E
148			12			25° 26' 18.873" N	84° 46' 2.776" E
150			1	BHOJ SON 14	46	25° 25' 55.918" N	84° 45' 59.263" E
151			2			25° 25' 54.016" N	84° 45' 56.485" E
152			3			25° 25' 49.471" N	84° 45' 53.537" E
153			4			25° 25' 45.985" N	84° 45' 48.998" E
154			5			25° 25' 41.876" N	84° 45' 46.488" E

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155			6			25° 25' 38.560" N	84° 45' 40.838" E
156			7			25° 25' 39.296" N	84° 45' 39.324" E
157			8			25° 25' 48.067" N	84° 45' 42.060" E
158			9			25° 25' 59.066" N	84° 45' 48.021" E
159			10			25° 26' 5.771" N	84° 45' 49.404" E
160			11			25° 26' 16.067" N	84° 45' 56.803" E
161			12			25° 26' 20.698" N	84° 45' 58.335" E
162			13			25° 26' 18.873" N	84° 46' 2.776" E
163			14			25° 26' 15.193" N	84° 46' 11.729" E
164			15			25° 26' 15.185" N	84° 46' 11.750" E
165			16			25° 26' 8.508" N	84° 46' 10.174" E
166			17			25° 26' 3.622" N	84° 46' 10.510" E
167			18			25° 25' 56.181" N	84° 45' 59.646" E
169			1	BHOJ SON 15	94	25° 24' 45.632" N	84° 45' 26.473" E
170			2			25°24'57.11"N	84°45'17.25"E
171			3			25° 25' 15.608" N	84° 45' 35.458" E
172			4			25° 25' 21.525" N	84° 45' 51.659" E
173			5			25°25'41.08"N	84°46'10.92"E
174			6			25° 25' 40.272" N	84° 46' 13.786" E
175			7			25° 25' 25.877" N	84° 46' 7.181" E
176			8			25° 25' 16.262" N	84° 46' 3.863" E
177			9			25° 24' 39.814" N	84° 45' 32.286" E
179			1	BHOJ SON 16	10	25° 24' 2.365" N	84° 45' 9.417" E
180			2			25° 24' 6.737" N	84° 45' 16.612" E
181			3			25° 23' 54.294" N	84° 45' 14.670" E
182			4			25° 23' 51.766" N	84° 45' 10.781" E
183			5			25° 23' 47.738" N	84° 45' 9.193" E
184			6			25° 23' 50.931" N	84° 45' 3.924" E
185			7			25° 23' 55.778" N	84° 45' 6.372" E

186			8			25° 24' 1.706" N	84° 45' 7.445" E
188			1			25° 24' 25.147" N	84° 44' 51.502" E
189			2			25° 24' 42.338" N	84° 45' 1.210" E
190			3			25° 24' 45.036" N	84° 45' 3.528" E
191			4			25° 24' 42.765" N	84° 45' 4.817" E
192			5			25° 24' 37.101" N	84° 45' 1.349" E
193			6			25° 24' 29.271" N	84° 44' 57.908" E
194			7			25° 24' 23.391" N	84° 44' 58.686" E
195			8			25° 24' 20.373" N	84° 45' 0.018" E
196			9	BHOJ SON 17	20	25° 24' 17.317" N	84° 45' 0.817" E
197			10			25° 24' 16.004" N	84° 44' 56.608" E
198			11			25° 24' 15.980" N	84° 44' 49.661" E
199			12			25° 24' 9.320" N	84° 44' 45.573" E
200			13			25° 24' 0.040" N	84° 44' 47.517" E
201			14			25° 23' 55.828" N	84° 44' 44.251" E
202			15			25° 23' 55.803" N	84° 44' 40.515" E
203			16			25° 24' 7.782" N	84° 44' 43.673" E
204			17			25° 24' 19.277" N	84° 44' 48.712" E
206			1			25° 22' 49.094" N	84° 44' 43.194" E
207			2			25° 22' 52.628" N	84° 44' 36.220" E
208			3			25° 23' 13.289" N	84° 44' 34.261" E
209			4			25° 23' 15.470" N	84° 44' 37.245" E
210			5			25° 23' 26.939" N	84° 44' 33.551" E
211			6	BHOJ SON 18	79	25° 23' 37.776" N	84° 44' 37.990" E
212			7			25° 23' 35.845" N	84° 44' 55.432" E
213			8			25° 23' 27.490" N	84° 44' 53.317" E
214			9			25° 23' 18.768" N	84° 44' 55.672" E
215			10			25° 23' 12.887" N	84° 45' 1.068" E
216			11			25° 22' 47.465" N	84° 44' 46.407" E

218			1			25° 21' 29.960" N	84° 43' 47.941" E
219			2			25° 21' 30.391" N	84° 43' 45.431" E
220			3			25° 21' 41.007" N	84° 43' 47.143" E
221			4			25° 21' 47.392" N	84° 43' 43.009" E
222			5			25° 21' 49.727" N	84° 43' 44.988" E
223			6			25° 21' 57.502" N	84° 43' 59.041" E
224			7			25° 22' 3.894" N	84° 44' 4.334" E
225			8			25° 22' 30.196" N	84° 44' 11.176" E
226			9			25° 22' 35.399" N	84° 44' 11.067" E
227			10	BHOJ SON 19	33	25° 22' 42.626" N	84° 44' 19.156" E
228			11			25° 22' 43.956" N	84° 44' 19.544" E
229			12			25° 22' 42.823" N	84° 44' 20.763" E
230			13			25° 22' 33.556" N	84° 44' 19.708" E
231			14			25° 22' 20.850" N	84° 44' 13.824" E
232			15			25° 22' 14.596" N	84° 44' 14.067" E
233			16			25° 22' 12.328" N	84° 44' 10.492" E
234			17			25° 22' 6.194" N	84° 44' 5.787" E
235			18			25° 21' 59.749" N	84° 44' 3.815" E
236			19			25° 21' 55.525" N	84° 43' 57.868" E
237			20			25° 21' 40.720" N	84° 43' 52.307" E
239			1	BHOJ SON 20	98	25° 20' 36.966" N	84° 43' 10.194" E
240			2			25° 20' 37.051" N	84° 43' 10.134" E
241			3			25° 20' 45.419" N	84° 43' 12.134" E
242			4			25° 20' 43.531" N	84° 43' 15.341" E
243			5			25° 20' 46.826" N	84° 43' 23.171" E
244			6			25° 20' 53.366" N	84° 43' 29.919" E
245			7			25° 21' 10.565" N	84° 43' 40.858" E
246			8			25° 20' 52.431" N	84° 43' 57.508" E
247			9			25° 20' 34.403" N	84° 43' 50.505" E

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248				10			25° 20' 30.578" N	84° 43' 49.019" E
249				11			25° 20' 21.519" N	84° 43' 45.324" E
251				1			25° 20' 10.555" N	84° 42' 56.257" E
252				2			25° 20' 14.365" N	84° 42' 59.702" E
253				3			25° 20' 21.892" N	84° 43' 6.173" E
254				4			25° 20' 36.966" N	84° 43' 10.194" E
255				5	BHOJ SON 21	92	25° 20' 21.519" N	84° 43' 45.324" E
256				6			25° 20' 5.068" N	84° 43' 33.899" E
257				7			25° 20' 0.405" N	84° 43' 30.661" E
258				8			25° 19' 55.139" N	84° 43' 26.993" E
259				9			25° 20' 7.073" N	84° 43' 3.205" E
261				1			25° 19' 39.091" N	84° 43' 3.241" E
262				2			25° 19' 43.805" N	84° 42' 51.092" E
263				3			25° 19' 47.081" N	84° 42' 42.647" E
264				4			25° 19' 53.322" N	84° 42' 44.753" E
265				5			25° 19' 58.762" N	84° 42' 46.624" E
266				6			25° 20' 1.461" N	84° 42' 47.552" E
267				7	BHOJ SON 22	70	25° 20' 10.555" N	84° 42' 56.257" E
268				8			25° 20' 7.073" N	84° 43' 3.205" E
269				9			25° 19' 55.139" N	84° 43' 26.993" E
270				10			25° 19' 45.647" N	84° 43' 20.507" E
271				11			25° 19' 44.258" N	84° 43' 16.371" E
272				12			25° 19' 43.158" N	84° 43' 8.379" E
273				13			25° 19' 41.208" N	84° 43' 6.014" E
275				1			25° 19' 15.851" N	84° 42' 33.523" E
276				2			25° 19' 16.758" N	84° 42' 27.361" E
277				3	BHOJ SON 23	46	25° 19' 19.449" N	84° 42' 25.207" E
278				4			25° 19' 31.730" N	84° 42' 37.192" E
279				5			25° 19' 47.054" N	84° 42' 42.637" E

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280			6				25° 19' 47.081" N	84° 42' 42.647" E
281			7				25° 19' 43.805" N	84° 42' 51.092" E
282			8				25° 19' 39.091" N	84° 43' 3.241" E
283			9				25° 19' 29.728" N	84° 43' 2.711" E
284			10				25° 19' 30.291" N	84° 42' 57.090" E
285			1				25° 19' 27.007" N	84° 42' 50.120" E
286			12				25° 19' 17.521" N	84° 42' 37.114" E
288			1	BHOJ SON 24	51		25° 18' 34.070" N	84° 41' 15.189" E
289			2				25° 18' 45.491" N	84° 41' 7.011" E
290			3				25° 18' 58.330" N	84° 41' 30.913" E
291			4				25° 18' 57.362" N	84° 41' 50.154" E
292			5				25° 19' 1.035" N	84° 41' 57.877" E
293			6				25° 18' 57.213" N	84° 42' 0.723" E
294			7				25° 18' 51.721" N	84° 41' 51.370" E
295			8				25° 18' 35.502" N	84° 41' 18.124" E
297			1	BHOJ SON 25	77		25° 17' 52.672" N	84° 40' 6.760" E
298			2				25° 17' 55.018" N	84° 40' 7.984" E
299			3				25° 18' 26.476" N	84° 40' 25.634" E
300			4				25° 18' 43.361" N	84° 40' 46.220" E
301			5				25° 18' 36.952" N	84° 40' 49.735" E
302			6				25° 18' 31.684" N	84° 40' 43.784" E
303			7				25° 18' 25.335" N	84° 40' 44.299" E
304			8				25° 18' 23.314" N	84° 40' 49.344" E
305			9				25° 18' 16.218" N	84° 40' 36.934" E
306			10				25° 17' 59.459" N	84° 40' 32.392" E
307			11				25° 17' 49.642" N	84° 40' 20.865" E
308			12				25° 17' 48.711" N	84° 40' 19.762" E
309			13				25° 17' 47.765" N	84° 40' 18.640" E
310			14				25° 17' 47.776" N	84° 40' 18.645" E

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312			1			25° 16' 56.401" N	84° 39' 51.249" E
313			2			25° 17' 1.870" N	84° 39' 40.313" E
314			3			25° 17' 2.594" N	84° 39' 38.808" E
315			4			25° 17' 2.672" N	84° 39' 38.771" E
316			5			25° 17' 2.730" N	84° 39' 38.804" E
317			6			25° 17' 2.731" N	84° 39' 38.804" E
318			7			25° 17' 3.713" N	84° 39' 39.354" E
319			8			25° 17' 4.990" N	84° 39' 40.069" E
320			9	BHOJ SON 26	75	25° 17' 7.682" N	84° 39' 41.576" E
321			10			25° 17' 13.979" N	84° 39' 45.100" E
322			11			25° 17' 14.841" N	84° 39' 45.583" E
323			12			25° 17' 24.302" N	84° 39' 50.879" E
324			13			25° 17' 25.829" N	84° 39' 51.734" E
325			14			25° 17' 52.651" N	84° 40' 6.749" E
326			15			25° 17' 52.672" N	84° 40' 6.760" E
327			16			25° 17' 47.776" N	84° 40' 18.645" E
328			17			25° 17' 47.765" N	84° 40' 18.640" E
329			18			25° 16' 54.907" N	84° 39' 54.238" E
331			1			25° 16' 27.375" N	84° 39' 10.770" E
332			2			25° 16' 29.067" N	84° 39' 12.062" E
333			3			25° 17' 2.594" N	84° 39' 38.808" E
334			4			25° 17' 1.870" N	84° 39' 40.313" E
335			5	BHOJ SON 27	68	25° 16' 56.401" N	84° 39' 51.249" E
336			6			25° 16' 38.311" N	84° 39' 41.674" E
337			7			25° 16' 27.177" N	84° 39' 35.780" E
338			8			25° 16' 18.985" N	84° 39' 31.444" E
339			9			25° 16' 18.222" N	84° 39' 31.045" E
340			10			25° 16' 18.224" N	84° 39' 31.041" E
342			1	BHOJ SON 28	55	25° 16' 6.833" N	84° 38' 54.587" E

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राज्य पर्यावरण संसाधन निदेशालय
SEIAA, Bihar

343				2			25° 16' 8.467" N	84° 38' 55.798" E
344				3			25° 16' 27.371" N	84° 39' 10.767" E
345				4			25° 16' 27.375" N	84° 39' 10.770" E
346				5			25° 16' 18.224" N	84° 39' 31.041" E
347				6			25° 16' 18.222" N	84° 39' 31.045" E
348				7			25° 16' 14.213" N	84° 39' 29.092" E
349				8			25° 16' 2.213" N	84° 39' 23.245" E
350				9			25° 15' 55.230" N	84° 39' 19.842" E
351				10			25° 16' 5.142" N	84° 38' 58.268" E
353				1	BHOJ SON 29	80	25° 15' 48.087" N	84° 38' 28.020" E
354				2			25° 15' 48.126" N	84° 38' 28.135" E
355				3			25° 15' 49.583" N	84° 38' 40.698" E
356				4			25° 16' 6.833" N	84° 38' 54.587" E
357				5			25° 16' 5.142" N	84° 38' 58.268" E
358				6			25° 15' 55.164" N	84° 39' 19.896" E
359				7			25° 15' 45.553" N	84° 39' 16.124" E
360				8			25° 15' 29.220" N	84° 39' 9.714" E
361				9			25° 15' 32.261" N	84° 39' 2.966" E
362				10			25° 15' 37.516" N	84° 38' 51.362" E
363				11			25° 15' 42.519" N	84° 38' 40.315" E
364				12			25° 15' 43.045" N	84° 38' 39.153" E
365				13			25° 15' 43.792" N	84° 38' 37.503" E
366				14			25° 15' 47.820" N	84° 38' 28.608" E
368				1	BHOJ SON 30	99	25° 15' 29.134" N	84° 38' 18.233" E
369				2			25° 15' 31.631" N	84° 38' 15.246" E
370				3			25° 15' 48.087" N	84° 38' 28.020" E
371				4			25° 15' 27.180" N	84° 39' 14.184" E
372				5			25° 15' 10.891" N	84° 38' 55.662" E
373				6			25° 15' 17.064" N	84° 38' 32.672" E

375			1			25° 14' 10.549" N	84° 37' 19.812" E
376			2			25° 14' 8.149" N	84° 37' 12.625" E
377			3			25° 14' 22.977" N	84° 37' 12.627" E
378			4			25° 14' 24.999" N	84° 37' 20.241" E
379			5	BHOJ SON 31	46	25° 14' 35.375" N	84° 37' 36.589" E
380			6			25° 14' 23.672" N	84° 37' 45.231" E
381			7			25° 14' 19.635" N	84° 37' 50.242" E
382			8			25° 14' 14.102" N	84° 37' 43.255" E
383			9			25° 14' 15.713" N	84° 37' 35.273" E
385			1			25° 14' 12.775" N	84° 36' 41.502" E
386			2			25° 14' 9.916" N	84° 36' 37.864" E
387			3			25° 14' 8.557" N	84° 36' 36.136" E
388			4			25° 14' 8.408" N	84° 36' 35.536" E
389			5			25° 14' 7.204" N	84° 36' 30.690" E
390			6			25° 14' 6.232" N	84° 36' 26.780" E
391			7			25° 14' 7.204" N	84° 36' 24.076" E
392			8			25° 14' 10.044" N	84° 36' 16.176" E
393			9			25° 14' 10.150" N	84° 36' 15.880" E
394			10	BHOJ SON 32	70	25° 14' 10.144" N	84° 36' 15.804" E
395			11			25° 14' 10.184" N	84° 36' 15.787" E
396			12			25° 14' 10.297" N	84° 36' 15.738" E
397			13			25° 14' 10.563" N	84° 36' 15.625" E
398			14			25° 14' 22.243" N	84° 36' 10.632" E
399			15			25° 14' 26.475" N	84° 36' 8.841" E
400			16			25° 14' 29.699" N	84° 36' 22.312" E
401			17			25° 14' 31.462" N	84° 36' 29.412" E
402			18			25° 14' 31.478" N	84° 36' 38.313" E
403			19			25° 14' 35.466" N	84° 36' 45.649" E
404			20			25° 14' 34.417" N	84° 36' 49.268" E

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405			21			25° 14' 29.048" N	84° 36' 51.781" E
406			22			25° 14' 26.675" N	84° 36' 53.665" E
407			23			25° 14' 22.202" N	84° 36' 53.916" E
408			24			25° 14' 16.786" N	84° 36' 43.893" E
410			1	BHOJ SON 33	57	25° 14' 7.838" N	84° 35' 42.854" E
411			2			25° 14' 9.439" N	84° 35' 41.222" E
412			3			25° 14' 12.104" N	84° 35' 35.385" E
413			4			25° 14' 10.681" N	84° 35' 29.913" E
414			5			25° 14' 16.619" N	84° 35' 28.622" E
415			6			25° 14' 26.443" N	84° 36' 8.837" E
416			7			25° 14' 22.243" N	84° 36' 10.632" E
417			8			25° 14' 10.184" N	84° 36' 15.787" E
418			9			25° 14' 10.144" N	84° 36' 15.804" E
419			10			25° 14' 4.905" N	84° 36' 4.722" E
420			11			25° 14' 2.705" N	84° 35' 55.698" E
421			12			25° 14' 5.330" N	84° 35' 45.411" E
423			1	BHOJ SON 34	86	25° 13' 35.432" N	84° 35' 24.397" E
424			2			25° 13' 22.580" N	84° 34' 53.069" E
425			3			25°13'39.75"N	84°34'42.37"E
426			4			25°13'52.67"N	84°34'53.74"E
427			5			25° 13' 58.933" N	84° 35' 13.235" E
428			6			25° 13' 38.280" N	84° 35' 31.341" E
429			7			25° 13' 37.618" N	84° 35' 29.727" E
431			1	BHOJ SON 35	65	25° 13' 25.846" N	84° 33' 44.497" E
432			2			25° 13' 25.268" N	84° 33' 42.199" E
433			3			25° 13' 22.194" N	84° 33' 29.985" E
434			4			25° 13' 21.132" N	84° 33' 19.569" E
435			5			25° 13' 17.779" N	84° 33' 14.020" E
436			6			25° 13' 9.114" N	84° 33' 5.408" E

437			7			25° 13' 12.075" N	84° 32' 58.038" E
438			8			25° 13' 25.379" N	84° 33' 22.665" E
439			9			25° 13' 42.392" N	84° 33' 51.001" E
440			10			25° 13' 57.325" N	84° 34' 30.806" E
441			11			25° 13' 53.374" N	84° 34' 30.818" E
442			12			25° 13' 45.367" N	84° 34' 20.536" E
443			13			25° 13' 45.389" N	84° 34' 14.329" E
444			14			25° 13' 40.751" N	84° 34' 3.471" E
445			15			25° 13' 29.287" N	84° 34' 4.352" E
446			16			25° 13' 27.081" N	84° 33' 49.404" E
448			1	BHOJ SON 36	45	25° 13' 0.167" N	84° 34' 9.178" E
449			2			25° 12' 57.894" N	84° 34' 3.558" E
450			3			25° 12' 55.878" N	84° 33' 58.572" E
451			4			25° 13' 8.190" N	84° 33' 52.140" E
452			5			25° 13' 14.041" N	84° 34' 15.633" E
453			6			25° 13' 24.896" N	84° 34' 27.241" E
454			7			25° 13' 11.925" N	84° 34' 38.256" E
456			1	BHOJ SON 37	45	25° 12' 45.178" N	84° 32' 46.143" E
457			2			25° 12' 45.357" N	84° 32' 43.521" E
458			3			25° 12' 45.464" N	84° 32' 41.954" E
459			4			25° 12' 53.042" N	84° 32' 46.574" E
460			5			25° 12' 51.672" N	84° 33' 8.497" E
461			6			25° 12' 55.420" N	84° 33' 18.920" E
462			7			25° 13' 3.918" N	84° 33' 31.985" E
463			8			25° 12' 51.897" N	84° 33' 37.655" E
464			9			25° 12' 42.903" N	84° 33' 19.461" E
466			1	BHOJ SON 38	96	25° 12' 56.062" N	84° 31' 14.072" E
467			2			25° 13' 1.988" N	84° 31' 11.060" E
468			3			25° 13' 7.640" N	84° 31' 20.464" E

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469			4				25° 13' 10.740" N	84° 31' 30.745" E
470			5				25° 13' 12.796" N	84° 31' 58.547" E
471			6				25° 13' 12.264" N	84° 32' 10.220" E
472			7				25° 13' 0.224" N	84° 32' 23.704" E
473			8				25° 12' 56.884" N	84° 32' 21.827" E
474			9				25° 12' 53.709" N	84° 32' 3.425" E
475			10				25° 12' 51.675" N	84° 31' 30.947" E
476			11				25° 12' 54.671" N	84° 31' 25.014" E
477			12				25° 12' 56.661" N	84° 31' 17.490" E
479			1	BHOJ SON 39	24.5		25° 12' 29.106" N	84° 30' 12.702" E
480			2				25° 12' 35.068" N	84° 30' 0.783" E
481			3				25° 12' 48.833" N	84° 30' 28.362" E
482			4				25° 12' 59.204" N	84° 30' 50.317" E
483			5				25° 12' 56.116" N	84° 30' 52.146" E
484			6				25° 12' 47.839" N	84° 30' 50.490" E
485			7				25° 12' 50.183" N	84° 30' 46.970" E
486			8				25° 12' 52.511" N	84° 30' 39.040" E
487			9				25° 12' 47.889" N	84° 30' 30.250" E
488			10				25° 12' 30.299" N	84° 30' 13.817" E
490			1	BHOJ SON 40	39.5		25° 12' 1.831" N	84° 29' 29.000" E
491			2				25° 12' 14.161" N	84° 29' 17.272" E
492			3				25° 12' 23.965" N	84° 29' 38.020" E
493			4				25°12'23.99"N	84°29'46.30"E
494			5				25° 12' 16.759" N	84° 29' 56.099" E
495			6				25° 12' 13.537" N	84° 29' 51.478" E
496			7				25° 12' 2.432" N	84° 29' 30.154" E
498			1	BHOJ SON 41	98		25° 11' 15.387" N	84° 29' 39.395" E
499			2				25° 11' 16.668" N	84° 29' 38.174" E
500			3				25° 11' 17.516" N	84° 29' 37.365" E

राज्य पर्यावरण समाधात निदेशिका SEIAA, Bihar

501				4			25° 11' 17.710" N	84° 29' 37.181" E
502				5			25° 11' 21.429" N	84° 29' 33.922" E
503				6			25° 11' 25.061" N	84° 29' 30.175" E
504				7			25° 11' 27.564" N	84° 29' 27.789" E
505				8			25° 11' 28.026" N	84° 29' 27.349" E
506				9			25° 11' 29.762" N	84° 29' 25.694" E
507				10			25° 11' 34.419" N	84° 29' 21.257" E
508				11			25° 11' 34.529" N	84° 29' 21.152" E
509				12			25° 11' 34.826" N	84° 29' 20.868" E
510				13			25° 11' 35.010" N	84° 29' 20.693" E
511				14			25° 11' 38.317" N	84° 29' 17.542" E
512				15			25° 11' 39.338" N	84° 29' 16.568" E
513				16			25° 11' 39.867" N	84° 29' 16.064" E
514				17			25° 11' 39.924" N	84° 29' 16.010" E
515				18			25° 11' 39.959" N	84° 29' 16.128" E
516				19			25° 11' 41.570" N	84° 29' 21.536" E
517				20			25° 11' 41.586" N	84° 29' 21.591" E
518				21			25° 11' 48.749" N	84° 29' 45.641" E
519				22			25° 11' 49.077" N	84° 29' 46.744" E
520				23			25° 11' 54.116" N	84° 30' 3.663" E
521				24			25° 11' 40.255" N	84° 30' 14.517" E
522				25			25° 11' 15.161" N	84° 29' 39.610" E
524				1	BHOJ SON 42	90	25° 11' 28.209" N	84° 28' 50.983" E
525				2			25° 11' 28.301" N	84° 28' 50.838" E
526				3			25° 11' 35.327" N	84° 29' 0.249" E
527				4			25° 11' 36.332" N	84° 29' 1.596" E
528				5			25° 11' 38.873" N	84° 29' 5.000" E
529				6			25° 11' 41.758" N	84° 29' 8.864" E
530				7			25° 11' 42.857" N	84° 29' 10.335" E

531			8			25° 11' 44.202" N	84° 29' 12.138" E
532			9			25° 11' 43.726" N	84° 29' 12.585" E
533			10			25° 11' 42.857" N	84° 29' 13.403" E
534			11			25° 11' 42.124" N	84° 29' 14.092" E
535			12			25° 11' 40.694" N	84° 29' 15.436" E
536			13			25° 11' 40.624" N	84° 29' 15.503" E
537			14			25° 11' 40.105" N	84° 29' 15.990" E
538			15			25° 11' 39.959" N	84° 29' 16.128" E
539			16			25° 11' 39.924" N	84° 29' 16.010" E
540			17			25° 11' 39.867" N	84° 29' 16.064" E
541			18			25° 11' 39.338" N	84° 29' 16.568" E
542			19			25° 11' 38.317" N	84° 29' 17.542" E
543			20			25° 11' 35.010" N	84° 29' 20.693" E
544			21			25° 11' 34.826" N	84° 29' 20.868" E
545			22			25° 11' 34.529" N	84° 29' 21.152" E
546			23			25° 11' 29.762" N	84° 29' 25.694" E
547			24			25° 11' 28.026" N	84° 29' 27.349" E
548			25			25° 11' 27.564" N	84° 29' 27.789" E
549			26			25° 11' 21.129" N	84° 29' 33.922" E
550			27			25° 11' 17.710" N	84° 29' 37.181" E
551			28			25° 11' 17.516" N	84° 29' 37.365" E
552			29			25° 11' 16.668" N	84° 29' 38.174" E
553			30			25° 11' 15.387" N	84° 29' 39.395" E
554			31			25° 11' 15.161" N	84° 29' 39.610" E
555			32			25° 11' 15.166" N	84° 29' 39.442" E
556			33			25° 11' 13.187" N	84° 29' 36.946" E
557			34			25° 11' 9.027" N	84° 29' 31.699" E
558			35			25° 11' 5.986" N	84° 29' 27.863" E
559			36			25° 11' 0.925" N	84° 29' 21.479" E

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560			37			25° 11' 0.733" N	84° 29' 21.236" E
561			38			25° 11' 0.312" N	84° 29' 20.705" E
562			39			25° 10' 59.615" N	84° 29' 19.826" E
563			40			25° 10' 59.377" N	84° 29' 19.526" E
564			41			25° 10' 59.275" N	84° 29' 19.402" E
565			42			25° 10' 59.397" N	84° 29' 19.282" E
566			43			25° 10' 59.799" N	84° 29' 18.887" E
567			44			25° 11' 0.045" N	84° 29' 18.646" E
568			45			25° 11' 0.994" N	84° 29' 17.746" E
569			46			25° 11' 11.175" N	84° 29' 7.713" E
571			1	BHOJ SON 43	96	25° 10' 39.787" N	84° 28' 52.100" E
572			2			25° 10' 44.674" N	84° 28' 44.730" E
573			3			25° 10' 46.222" N	84° 28' 42.395" E
574			4			25° 10' 58.756" N	84° 28' 42.554" E
575			5			25° 11' 7.751" N	84° 28' 42.667" E
576			6			25° 11' 7.905" N	84° 28' 42.669" E
577			7			25° 11' 10.064" N	84° 28' 42.697" E
578			8			25° 11' 16.583" N	84° 28' 42.779" E
579			9			25° 11' 23.735" N	84° 28' 47.826" E
580			10			25° 11' 25.534" N	84° 28' 49.095" E
581			11			25° 11' 28.177" N	84° 28' 50.960" E
582			12			25° 11' 23.735" N	84° 28' 55.337" E
583			13			25° 11' 16.775" N	84° 29' 2.195" E
584			14			25° 11' 11.175" N	84° 29' 7.713" E
585			15			25° 11' 9.958" N	84° 29' 8.909" E
586			16			25° 10' 59.254" N	84° 29' 19.422" E
587			17			25° 10' 36.722" N	84° 28' 56.722" E
588			18			25° 10' 38.867" N	84° 28' 53.487" E
Total Area (Ha.)						**2543**	

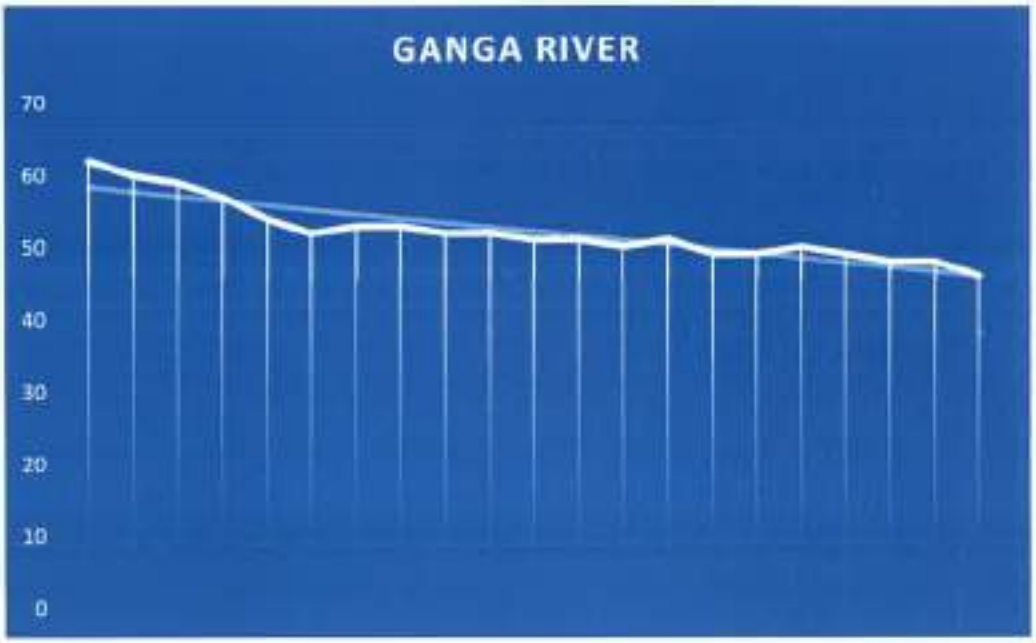
Annexure -X

(Profile section of Rivers of Bhojpur District)



Profile section of Rivers of Bhojpur District

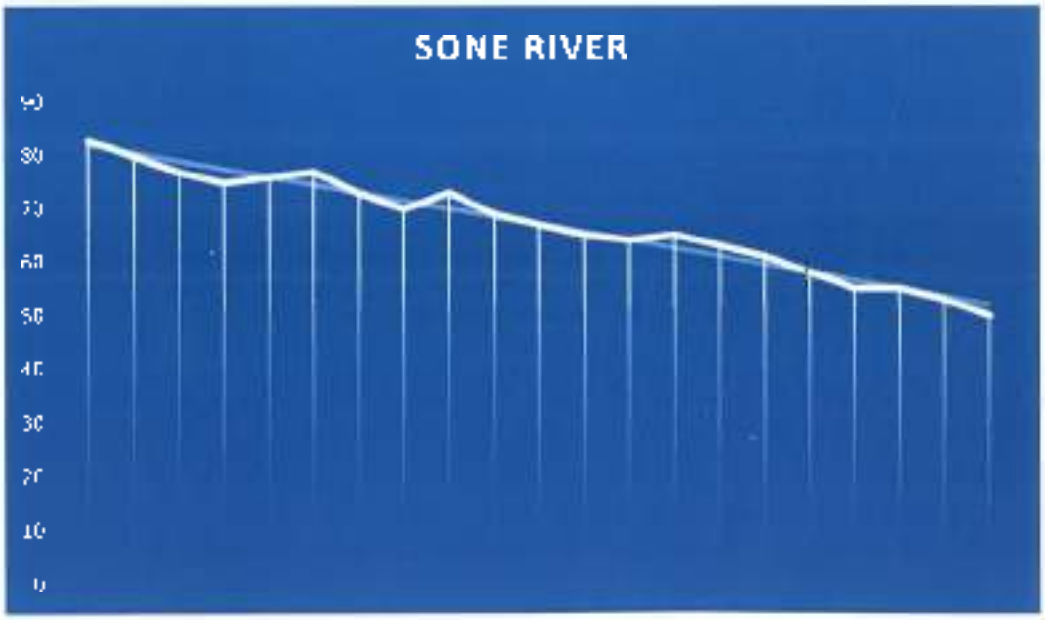
Elevation in m



W----------E

39 km

Elevation in m



NW----------SE

81 km

राज्य पर्यावरण मूल्यांकन प्राधिकार, बिहार
SEIAA, Bihar

Annexure -XI

(A certificate regarding distance of ghats from the boundary of Forest/Protect Area as well as the modification status and extent of the Eco-sensitive Zone issued by the Ministry of Environment, Forest and Climate Change, Govt. of India)



कार्यालय, वन प्रमण्डल पदाधिकारी, भोजपुर वन प्रमण्डल, आरा।

कानन कोठी, धनुपरा, आरा, पिन–802301, E-mail -dfobhojpurfdivision@gmail.com

पत्रांक:– 396 /

प्रेषक,

राज कुमार, एम., भा0व0से0
वन प्रमण्डल पदाधिकारी,
भोजपुर वन प्रमण्डल, आरा।

सेवा में,

जिला खनन पदाधिकारी,
भोजपुर।

दिनांक 23 / 03 / 2022

विषय :– भोजपुर जिलान्तर्गत सुरक्षित वन भूमि एवं आर्द्र भूमि की सूची उपलब्ध कराने के संबंध में।

प्रसंग:– आपके कार्यालय का पत्रांक 841 दिनांक 11.02.2022

महाशय,

उपर्युक्त प्रसंगाधीन विषय के संबंध में सूचित करना है कि प्रासंगिक पत्र भोजपुर जिलान्तर्गत द्वारा सुरक्षित वन भूमि की मांगी गई सूची इस पत्र के साथ संलग्न कर समर्पित की जा रही है।

उल्लेखनीय है कि भोजपुर जिलान्तर्गत अवस्थित आर्द्र भूमि की विवरणी निम्नवत् है:–

क्र0 सं0	स्थल	GPS Reading	आर्द्र भूमि की स्थल विवरणी
1	2	3	4
1	Natural Ox Bow Lake/Cut off Meander	84.410715E 25.648682N 84.385802E 25.694273N	स्थानीय नाम– सुहिया भागड़, ग्राम+पंचायत– सुहिया, प्रखंड– शाहपुर।

अनुलग्नक– यथोक्त।

विश्वासभाजन

वन प्रमण्डल पदाधिकारी,
भोजपुर वन प्रमण्डल, आरा।

SEIAA, Bihar

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पर्यावरण, वन एवं जलवायु परिवर्तन विभाग।

भोजपुर वन प्रमण्डल, आरा।

क्रमांक	पथ का नाम	नहर की लम्बाई (कि०मी० में)	अभियुक्ति
1	2	3	4
1	आरा मुख्य नहर	69.00	
2	बिहियाँ शाखा नहर	49.60	
3	सकला रजवाहा	26.00	
4	अगौना रजवाहा	4.80	
5	देव रजवाहा	11.00	
6	जगदीशपुर चैनेल	8.40	
7	चिहटा रजवाहा	4.80	
8	कुरमुरी रजवाहा	28.00	
9	प्रीतमपुर माईनर	3.20	
10	ऐडज माईन	3.00	
11	पनदारी रजवाहा	8.10	
12	कोईलवर रजवाहा	41.60	
13	एकवारी रजवाहा	8.50	
14	पड़नपुर रजवाहा	3.80	
15	अफजलपुर रजवाहा	5.00	
16	बाधी माइनर	3.20	
17	बाशो डिहरी माइनर	2.50	
18	कोरी उपरजवाहा	11.20	
19	डिलिया / नारायणपुर रजवाहा	21.60	
20	पावर रजवाहा	11.00	
21	जैतपुर रजवाहा	22.40	
22	बेलाउर रजवाहा	4.80	
23	कुमरे माइनर	3.28	
24	असनी रजवाहा	9.60	
25	धोराई रजवाहा	3.30	
26	चन्दवा रजवाहा	6.50	
27	धनूपरा रजवाहा	11.00	
28	मुसहुला रजवाहा	4.80	
29	बिदियाय रजवाहा	9.60	
30	गहरुआ रजवाहा	5.60	
31	सिकरौल रजवाहा	8.60	
32	उड़नडिह माइनर	1.75	
33	कटेया रजवाहा	34.40	
34	गजहनी रजवाहा	18.40	
35	बरौत माइनर	4.80	
36	कंकिला माईनर	6.40	
37	नारायणपुर उप रजवाहा	7.20	
38	ज्ञानपुर रजवाहा	5.50	
39	कटेया फैक्ट्री माइनर	5.00	
40	बलिगाँव माइनर	4.00	
41	तार रजवाहा	14.40	
42	केसारी रजवाहा	8.00	
43	हेतमपुर रजवाहा	15.60	

SEIAA, Bihar

क्रमांक	पथ का नाम	नहर की लम्बाई (कि०मी० में)	अभियुक्ति
1	2	3	4
44	लकनथ उप रजवाहा	3.50	
45	सलेमा वितरणी	5.20	
46	सियाचक वितरणी	15 18	
47	बरईया लघु नहर	3 20	
48	भोजपुर उप वितरणी	10 80	
49	जयनगर बाया समानान्तर नाला	3 20	
50	जयनगर दाया समानान्तर नाला	2.78	
51	पखरिया लघु नहर	3.81	
52	लालगंज लघु नहर	3.81	
53	सिखण्डा बाँया समानान्तर नाला	4.95	
54	सिखण्डा दाँया समानान्तर नाला	1.63	
55	मानसी वितरणी	11.96	
56	अमेठी बाँया समानान्तर नाला	3.20	
57	अमेठी दाँया समानान्तर नाला	4.14	
58	मरना वितरणी	4 14	
59	रामपुर बाँया समानान्तर नाला	4 86	
60	रामपुर दाँया समानान्तर नाला	5.34	
61	नटवार बाँया समानान्तर नाला	4 80	
62	नटवार दाँया समानान्तर नाला	4 80	
63	बक्सर मुख्य नहर	25.60	
64	सिकरौल बाँया समानान्तर नाला	5 60	
65	बसौली रजवाहा	11.20	
66	बसुधर रजवाहा	6 49	
67	भखवा दाँया समानान्तर नाला	4.80	
68	भखवा बाँया समानान्तर नाला	5.60	
69	इटाढ़ी रजवाहा	5 60	
70	महदह रजवाहा	12.80	
71	मुकुन्दपुर रजवाहा	6.40	
72	जेल पैनल	4 80	
73	सारीपुर	2.40	
74	महदह आर०पी०सी०	6.49	
75	गुणसैज बाया समानान्तर नाला	3.38	
76	गुणसैज दाया समानान्तर नाला	3.20	
77	चौराटी बायां समानान्तर नाला	53 29	
78	चौराटी दायां समानान्तर नाला	4.33	
79	साथ रजवाहा	29 60	
80	गढ़िया रजवाहा	15 00	
81	पंगिला उप रजवाहा	9.66	
82	अमरपुर उपरजवाहा	8.00	
83	बसन्तपुर उपरजवाहा	4.80	
84	सिकरौल रजवाहा	21 30	
85	सिकरौल बाया समानान्तर नाला	8.00	
86	नेनुआ रजवाहा	4.80	

SEIAA, Bihar

वन प्रमण्डल पदाधिकारी,
मोतिहारी वन प्रमण्डल, ओरा।

© 2022 Survey Road 24-02-2022 Bhojpur

पर्यावरण, वन एवं जलवायु परिवर्तन विभाग।

भोजपुर वन प्रमण्डल, आरा।

क्रमांक	पथ का नाम	पथ की लम्बाई (किलोमीटर में)	सीमांकन जिलों का नाम		अभियुक्ति
1	2	3	4	5	6
1	आरा–शासाराम पथ	91.60	भूमि पर सड़कों के दोनों ओर पत्थर / खाई से सीमांकन	भोजपुर / रोहतास	
2	आरा–बक्सर पथ	66.50		बक्सर	
3	सकरडीह–सदेश - सहार पथ	55.00		भोजपुर	
4	बिहियां–जगदीशपुर–पीरो पथ	34.00		भोजपुर	
5	आरा–एकौना–सहार पथ	35.00		भोजपुर	
6	नासरीगंज–दनवारि–बिहिटा पथ	16.00		रोहतास / भोजपुर	
7	सदेश–पवना पथ	16.00		भोजपुर	
8	बिहिया–लियर पथ	13.00		भोजपुर	
9	कंशापुर–गुण्डी–सरैया पथ	13.25		भोजपुर	
10	आरा–बड़हरा पथ	15.00		भोजपुर	
11	पीरो–सकरडीह–बिहिटा पथ	23.00		भोजपुर	
12	आरा–तिहा पथ	16.00		भोजपुर	
13	आरा–सलेमपुर पथ	16.00		भोजपुर	
14	सरैया–बलुआ–सलेमपुर पथ	10.00		भोजपुर	
15	बिहियाँ–सलेमपुर पथ	10.40		भोजपुर	
16	शाहपुर धरौली पथ	6.00		भोजपुर	
17	सरना–करनामेपुर पथ	7.00		भोजपुर	
18	कोईलवर–बनुरा पथ	13.00		भोजपुर	
19	आरा–बक्सर लिंक पथ (घटाए)	3.00		भोजपुर	
20	आरा–बक्सर लिंक पथ (बाईपास)	1.60		भोजपुर	
21	कृष्णगढ़ लिंक पथ	1.50		भोजपुर	
22	करौली–सरना पथ	1.50		भोजपुर	
23	बाबू कुँअर सिंह लिंक पथ	3.00	भूमि पर सलकों के दोनों ओर पत्थर / खाई से सीमांकन	भोजपुर	
24	आरा–बड़हनी पथ	6.00		भोजपुर	
25	नवादा घाट से आरा रेलवे गुमटी चूर्व पथ	1.20		भोजपुर	
26	परड़ी–सोनवर्षा पथ	7.00		भोजपुर	

वन प्रमण्डल पदाधिकारी,
भोजपुर वन प्रमण्डल, आरा।

Annexure -XII

(Undertaking regarding aquatic animal found in river/ proposed sand ghat area)



जिला खनन कार्यालय, भोजपुर(आरा)

मोबाईल नं०–7549125357
E-mail ID-bhojpurmining@gmail.com

Letter No:.2122.

Date:.22/04/2022

UNDERTAKING

I, ANAND PRAKASH, Mineral Development Officer, District Mining Office, Bhojpur hereby undertake the following:

1. No sand Ghats has been proposed in the Dolphin zone.
2. The Potential sand mining areas are identified keeping in view the Ecological and Biological Environment.
3. The proposed area is not used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering & migration.

Anand Prakash 22/04/2022

Mineral Development Officer,
District Mining Office,
Bhojpur

SEIAA Bihar

जिला खनन कार्यालय, भोजपुर(आरा)

मोबाईल नं0–7549125357 E-mail ID-bhojpurmining@gmail.com

Letter No.-....2122.... Date:.....22/04/2022.....

UNDERTAKING

I, Anand Prakash, Mineral Development Officer, District Mining Office, Bhojpur hereby undertake the following:

1. The Sand ghats are proposed in dry Part of the river bed, where no aquatic animals are found.
2. The Potential sand mining areas are identified keeping in view the Ecological and Biological Environment.
3. The proposed area is not used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering & migration.

Anand Prakash

22/04/2022

Mineral Development Officer

(District Mining Office, Bhojpur)

समाधान निर्धारण प्राधिकार SEIAA, Bihar

Annexure -XIII

(Clear and high-resolution colour images)



Clear and high-resolution colour images provided as soft copy in pen drive.



Annexure -XIV

(Annexure as prescribed in the EMGSM, 2020)



Annexure-I

Details of Sand/M-Sand Sources

a) Rivers:

River Name/M-Sand Plant	Total Stretch of River (in KM)	Type of River (Perennial or Non-Perennial)
SON	80.50	Perennial
GANGA	39	Perennial

b) De-Siltation Location: (Lakes/Ponds/Dams etc.)

Name of Reservoir/Dams	Maintain/Controlled by State Govt./PSU etc.	Location	District	Tehsil	Village	Size(Ha)
Nil	Nil	Nil	Nil	Nil	Nil	Nil

c) Patta Lands/Khatedari Land:

Owner	Sy. No	Area (Ha)	District	Tehsil	Village	Agricultural Land (Yes/No)
None	Nil	Nil	Nil	Nil	Nil	Nil

d) M-Sand Plants:

Plant Name	Owner	District	Tehsil	Village	Geo-location	Quantity Tonnes /Annum
Nil	Nil	Nil	Nil	Nil	Nil	Nil

Note: For inclusion of M-Sand Plant/Patta Land in DSR the plant/landowners need to submit the request to the Mining Department with complete details. Inclusion in DSR does not give them the right to operate the M-Sand Plant/Sand Mining lease.

Annexure-II

List of Potential Mining Leases (existing & proposed)Rivers

EXISTING GHATS

River Details	Lease Details	Area(in Ha)	Distance (in KM) from PA/BR.WC.	Distance from Forest Area (in KM)	Miningleases within 500 meters(if yes chose area)	Total excavation in Tonnes /Annum considering digging depth max as 3 meters	Mineral to be mined (Sand Bajri RBM etc.)	Existing / Proposed
Son	NANSAGAR GHAT	24	NA	NA	No	852419	Sand	Existing
Son	NARAYANPUR GHAT	24	NA	NA	No	834653	Sand	Existing
Son	BHAGWATPUR GHAT	23	NA	NA	No	813352	Sand	Existing
Son	KHANGAON & BAHARA GHAT	22	NA	NA	No	781850	Sand	Existing
Son	KUBERCHAK GHAT	20	NA	NA	No	702829	Sand	Existing
Son	NEW HARIPUR (CHITTAMPUR) GHAT	22	NA	NA	No	786089	Sand	Existing
Son	HARIPUR & SADASHIVPUR GHAT	23	NA	NA	No	814019	Sand	Existing
Son	MANACHAK	15	NA	NA	No	523547	Sand	Existing
Son	KAMALUCHAK & SEMRA GHAT	20	NA	NA	No	706938	Sand	Existing
Son	SANDESH GHAT	16	NA	NA	No	465852	Sand	Existing
Son	KIRKIREE GHAT	15	NA	NA	No	778442	Sand	Existing
Son	BARJJI GHAT	15	NA	NA	No	778442	Sand	Existing
Son	PEUR GHAT	20	NA	NA	No	941021	Sand	Existing

Son	KARBASIN GHAT	15	NA	NA	No	742006	Sand	Existing
Son	FATEHPUR GHAT	14	NA	NA	No	692004	Sand	Existing
Son	ANDHERY GHAT	17	NA	NA	No	854755	Sand	Existing
Son	BIHTA GHAT	15	NA	NA	No	2395208	Sand	Existing
Son	CHILHAUNS GHAT	12	NA	NA	No	416437	Sand	Existing
Son	FARAHANGPUR GHAT	20	NA	NA	No	708746	Sand	Existing
Son	ABGILA GHAT	22	NA	NA	No	9,50,400	Sand	Existing
Son	ANDHARI-I GHAT	24.5	NA	NA	No	10,58,400	Sand	Existing
Son	BARUHI-I GHAT	20	NA	NA	No	8,64,000	Sand	Existing
Son	BIHTA-I GHAT	24.8	NA	NA	No	10,71,360	Sand	Existing
Son	DHANDIHA-I GHAT	24.8	NA	NA	No	10,71,360	Sand	Existing
Son	FARHANGPUR-I GHAT	17	NA	NA	No	7,34,400	Sand	Existing
Son	KAMALI CHAK MAHUI SEMARIYA GHAT	14.5	NA	NA	No	6,26,400	Sand	Existing
Son	KHAIRA GHAT	24	NA	NA	No	10,36,800	Sand	Existing
Son	KHANGAON GHAT	24.8	NA	NA	No	10,71,360	Sand	Existing
Son	KHANGAON GHAT I	24.8	NA	NA	No	10,71,360	Sand	Existing
Son	KHARAON KALAN GHAT	24.5	NA	NA	No	10,58,400	Sand	Existing
Son	KOILWAR CHITTAMPUR GHAT	15	NA	NA	No	6,48,000	Sand	Existing
Son	MAHUI GHAT	24.8	NA	NA	No	10,71,360	Sand	Existing
Son	SAHAR PUERCHAK GHAT	24.8	NA	NA	No	10,71,360	Sand	Existing

Son	SARIMPUR & BACHARI-I GHAT	24.8	NA	NA	No	10,71,360	Sand	Existing
Son	SURUNDHA GHAT	14.5	NA	NA	No	6,26,400	Sand	Existing
Son	SEMRA MAKDUMPUR GHAT	4	NA	NA	No	172800	Sand	Existing
Son	NONAUR GHAT	24.5	NA	NA	No	1242000	Sand	Existing
Son	KARBASIN NONAUR	24.6	NA	NA	No	1243620	Sand	Existing
Son	MEHANDAURA BRAHPUR GHAT	24	NA	NA	No	1197720	Sand	Existing
Son	NARAYNAGANJ GHAT	20	NA	NA	No	997380	Sand	Existing
Son	RAGA BHIKHAMCHAK	24.7	NA	NA	No	1251180	Sand	Existing
Son	KHAMKHERANPUR & AHMANCHAK GHAT	24.4	NA	NA	No	1236060	Sand	Existing
Son	PHUTARI GHAT	22	NA	NA	No	1105920	Sand	Existing
Son	KHANDAUL SARAIYA GHAT	22.8	NA	NA	No	1151820	Sand	Existing
Son	TRIKAUL GHAT	18	NA	NA	No	899100	Sand	Existing
Son	CHILHAUNS GHAT 1	24	NA	NA	No	1236060	Sand	Existing
Son	SARIMPUR BACHRI GHAT	24	NA	NA	No	1231740	Sand	Existing
Son	FATEHPUR GHAT 1	20	NA	NA	No	1001700	Sand	Existing
Son	LODIPUR GHAT	20	NA	NA	No	997920	Sand	Existing
Son	IMADPUR GHAT	18.5	NA	NA	No	927180	Sand	Existing
Son	TV SENETORIUM GHAT	20	NA	NA	No	1002780	Sand	Existing
Son	HARIPUR & SADASHIPUR GHAT 2	5.87	NA	NA	No	274860	Sand	Existing

SEIAA Bihar

PROPOSED GHATS

River Details	Lease Details	Area (in Ha)	Distance (in KM) from PA/BR/WC/	Distance from Forest Area (in KM)	Mining leases within 500 meters (if yes cluster area)	Total excavation in Tonnes /Annum considering digging depth max as 3 meter	Mineral to be mined (Sand/Bajri/ RBM etc.)	Existing / Proposed
Son	BHOJPUR SON 1	27	NA	NA	No	1312200	Sand	Proposed
Son	BHOJPUR SON 2	12	NA	NA	No	583200	Sand	Proposed
Son	BHOJPUR SON 3	34	NA	NA	No	1652400	Sand	Proposed
Son	BHOJPUR SON 4	13	NA	NA	No	631800	Sand	Proposed
Son	BHOJPUR SON 5	55	NA	NA	No	2673000	Sand	Proposed
Son	BHOJPUR SON 6	37	NA	NA	No	1798200	Sand	Proposed
Son	BHOJPUR SON 7	30	NA	NA	No	1458000	Sand	Proposed
Son	BHOJPUR SON 8	18	NA	NA	No	874800	Sand	Proposed
Son	BHOJPUR SON 9	51	NA	NA	Yes Area:- 536 Ha	2478600	Sand	Proposed
Son	BHOJPUR SON 10	72	NA	NA		3499200	Sand	Proposed
Son	BHOJPUR SON 11	77	NA	NA		3742200	Sand	Proposed
Son	BHOJPUR SON 12	95	NA	NA		4617000	Sand	Proposed
Son	BHOJPUR SON 13	71	NA	NA		3450600	Sand	Proposed

Son	BHOJPUR SON 14	46	NA	NA		2235600	Sand	Proposed
Son	BHOJPUR SON 15	94	NA	NA		4568400	Sand	Proposed
Son	BHOJPUR SON 16	10	NA	NA		486000	Sand	Proposed
Son	BHOJPUR SON 17	20	NA	NA		972000	Sand	Proposed
Son	BHOJPUR SON 18	79	NA	NA	No	3839400	Sand	Proposed
Son	BHOJPUR SON 19	33	NA	NA	No	1603800	Sand	Proposed
Son	BHOJPUR SON 20	98	NA	NA	Yes Area:- 306 Ha	4762800	Sand	Proposed
Son	BHOJPUR SON 21	92	NA	NA		4471200	Sand	Proposed
Son	BHOJPUR SON 22	70	NA	NA		3402000	Sand	Proposed
Son	BHOJPUR SON 23	46	NA	NA		2235600	Sand	Proposed
Son	BHOJPUR SON 24	51	NA	NA	No	2478600	Sand	Proposed
Son	BHOJPUR SON 25	77	NA	NA	Yes Area:- 454 Ha	3742200	Sand	Proposed
Son	BHOJPUR SON 26	75	NA	NA		3645000	Sand	Proposed
Son	BHOJPUR SON 27	68	NA	NA		3304800	Sand	Proposed
Son	BHOJPUR SON 28	55	NA	NA		2673000	Sand	Proposed
Son	BHOJPUR SON 29	80	NA	NA		3888000	Sand	Proposed
Son	BHOJPUR SON 30	99	NA	NA		4811400	Sand	Proposed

Son	BHOJPUR SON 31	46	NA	NA	No	2235600	Sand	Proposed
Son	BHOJPUR SON 32	70	NA	NA	Yes Area:- 127 Ha	3402000	Sand	Proposed
Son	BHOJPUR SON 33	57	NA	NA		2770200	Sand	Proposed
Son	BHOJPUR SON 34	86	NA	NA	No	4179600	Sand	Proposed
Son	BHOJPUR SON 35	65	NA	NA	No	3159000	Sand	Proposed
Son	BHOJPUR SON 36	45	NA	NA	No	2187000	Sand	Proposed
Son	BHOJPUR SON 37	45	NA	NA	No	2187000	Sand	Proposed
Son	BHOJPUR SON 38	96	NA	NA	No	4665600	Sand	Proposed
Son	BHOJPUR SON 39	24.5	NA	NA	Yes Area:- 64 Ha	1190700	Sand	Proposed
Son	BHOJPUR SON 40	39.5	NA	NA		1919700	Sand	Proposed
Son	BHOJPUR SON 41	98	NA	NA	Yes Area:- 284 Ha	4762800	Sand	Proposed
Son	BHOJPUR SON 42	90	NA	NA		4374000	Sand	Proposed
Son	BHOJPUR SON 43	96	NA	NA		4665600	Sand	Proposed

River Details	Lease Details	Area (in Ha)	Distance (in KM) from PA/ESZ/CWC	Distance from Forest Area (in KM)	Mining leases within 500 meters (if yes cluster area)	Total excavation in Tonnes Annum considering digging depth max as 3 meters	Mineral to be mined (Sand/Bajri RBM etc.)	Existing Proposed
GANGA	BHOJPUR GANGA 1	10.5	NA	NA	No	516500	Sand	Proposed
GANGA	BHOJPUR GANGA 2	14	NA	NA	No	680400	Sand	Proposed
GANGA	BHOJPUR GANGA 3	27.5	NA	NA	No	1336500	Sand	Proposed
GANGA	BHOJPUR GANGA 4	24	NA	NA	No	1166400	Sand	Proposed
GANGA	BHOJPUR GANGA 5	19	NA	NA	No	923400	Sand	Proposed

Patta Lands/Khatedari Land: (existing & proposed)

Owner	Sy. No	Area	District	Tehsil	Village	Total Reserve (MT)	Total Mineral to be mined (MT)	Existing /Proposed
None	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

De-Siltation Location :(Lakes/Ponds/Dams etc) (Existing&proposed)

Name of Reservoir /Dams	Maintain /Controlled by State Govt./PSU etc.	Location	District	Tehsil	Village	Size (Ha)	Quantity MT / Year	Existing /Proposed
None	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

M-Sand Plants :(existing & proposed)

Plant Name	Owner	District	Tehsil	Village	Geo- location	Quantity Tonnes/ Annum	Existing/ Proposed
None	Nil	Nil	Nil	Nil	Nil	Nil	None



Annexure-III

Cluster & Contiguous Cluster details

Clusters:

River Name	Cluster No.	Lease No	Location (Riverbed / Patta Land)	Village	Area (in Ha)	Total Excavation (Ton)	Total Mineral Excavation (Ton)
Son	1	Bhojpur Son 09,10,11,12,13,14,15,16 &17	Riverbed	Nil	536	26049600	26049600
Son	2	Bhojpur Son 20,21,22 & 23	Riverbed	Nil	306	14871600	14871600
Son	3	Bhojpur Son 25,26,27,28, 29 & 30	Riverbed	Nil	454	22064400	22064400
Son	4	Bhojpur Son 32 & 33	Riverbed	Nil	127	6172200	6172200
Son	5	Bhojpur Son 39 & 40	Riverbed	Nil	64	3110400	3110400
Son	6	Bhojpur Son 41,42 & 43	Riverbed	Nil	284	13802400	13802400
Ganga	Nil	Nil	Nil	Nil	Nil	Nil	Nil

Contiguous Clusters:

River Name	Contiguous Cluster No.	Cluster No	Number Of Leases in the cluster	Location (Riverbed/ Patta Land)	Distance between clusters	Village	Area of Cluster (Ha)	Total Mineral Excavation (Ton)
Son	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Ganga	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

Annexure-IV

Transportation Routes for individual leases and leases in Cluster

Lease No	Transportation Route No	Number Of tippers /day of lease	Number Of tippers /day of all the lease on route	Length of Route in KM	Type of Road (Black Topped / Unpaved)	Recommendation for road (Black Topped/ unpaved)	The road will be Constructed by Govt / Lease Owner	Route Map & Location
BHOJPUR SON 1	Baburn - Koilwar Road	162	NA	2.5	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 2	Baburn - Koilwar Road	72		2.0	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 3	Baburn - Koilwar Road	204		0.75	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 4	Baburn - Koilwar Road	78		0.90	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 5	Arrah-Chandi-Koilwar Road	330		0.95	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 6	Arrah-Chandi-Koilwar Road	222		0.38	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 7	Chandi-Nasriganj Road	180		0.40	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 8	Chandi-Nasriganj Road	108		0.58	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 9	Chandi-Nasriganj Road	306		1.74	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 10	Chandi-Nasriganj Road	432		1.72	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 11	Chandi-Nasriganj Road	462		1.5	Unpaved	Unpaved	Lease Owner	Route Map Attached

BHOJPUR SON 12	Chanda-Nasriganj Road	570		0.7	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 13	Chanda-Nasriganj Road	426		1.0	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 14	Chanda-Nasriganj Road	276		1.68	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 15	Chanda-Nasriganj Road	564		0.90	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 16	Chandi-Nasriganj Road	60		1.48	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 17	Chanda-Nasriganj Road	120		1.10	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 18	Chanda-Nasriganj Road	474		0.40	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 19	Chandi-Nasriganj Road	198		0.5	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 20	Chandi-Nasriganj Road	588		1.48	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 21	Chandi-Nasriganj Road	552		0.97	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 22	Chandi-Nasriganj Road	420		0.5	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 23	Chandi-Nasriganj Road	276		0.62	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 24	Chandi-Nasriganj Road	306		0.6	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 25	Chandi-Nasriganj Road	462		0.73	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 26	Chandi-Nasriganj Road	450		1.95	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 27	Chandi-Nasriganj Road	408		1.45	Unpaved	Unpaved	Lease Owner	Route Map Attached

BHOJPUR SON 28	Chandi-Nasriganj Road	330	1.30	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 29	Chandi-Nasriganj Road	480	0.80	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 30	Chandi-Nasriganj Road	594	0.40	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 31	Patna – Aurangabad Road	276	1.80	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 32	Chandi-Nasriganj Road	420	0.40	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 33	Chandi-Nasriganj Road	342	0.54	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 34	Chandi-Nasriganj Road	516	0.75	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 35	Chandi-Nasriganj Road	390	0.14	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 36	Chandi-Nasriganj Road	270	1.5	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 37	Chandi-Nasriganj Road	270	1.0	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 38	Chandi-Nasriganj Road	576	0.22	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 39	Chandi-Nasriganj Road	147	0.60	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 40	Chandi-Nasriganj Road	237	0.85	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 41	Chandi-Nasriganj Road	588	2.35	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 42	Chandi-Nasriganj Road	540	1.5	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 43	Chandi-Nasriganj Road	576	1.5	Unpaved	Unpaved	Lease Owner	Route Map Attached

Lease No	Transportation Route No	Number Of tippers /day of lease	Number Of tippers /day of all the lease on route	Length of Route in KM	Type of Road (Black Topped / Unpaved)	Recommendation for road (Black Topped/ unpaved)	The road will be Constructed by Govt./ Lense Owner	Route Map & Location
BHOJPUR GANGA 1	Road towards Bakhorapur	63	NA	1.95	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR GANGA 2	Road towards Bakhorapur	84		4.9	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR GANGA 3	Road towards Majhaul	165		1.8	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR GANGA 4	Road towards Salempur	144		1.35	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR GANGA 5	Road towards Bhuwal Chhapra	114		2.6	Unpaved	Unpaved	Lease Owner	Route Map Attached

Cluster No	Transportation Route No	Number of tippers /day of cluster	Number of tippers /day of all the clusters on route	Length of Route in KM	Type of Road (Black Topped/ unpaved)	Recommendation for Road (Black Topped/ unpaved)	The road will be Constructed by Govt. / Lease Owner	Route Map & Location
NA	NA	NA	NA	NA	NA	NA	NA	NA



Annexure-V

Final List of Potential Mining Leases (existing & proposed)Rivers

EXISTING GHATS

River Details	Lease Details	Area(in Ha)	Distance (in KM) from PA/SR/WC	Distance from Forest Area (in KM)	Mininglcases within 500 meters (if yes cluster area)	Total excavation in Tonnes /Annum considering digging depth max as 3 meters	Mineral to be mined (Sand-Boji RBM etc.)	Existing / Proposed
Son	NANSAGAR GHAT	24	NA	NA	No	852419	Sand	Existing
Son	NARAYANPUR GHAT	24	NA	NA	No	834553	Sand	Existing
Son	BHAGWATPUR GHAT	23	NA	NA	No	813352	Sand	Existing
Son	KHANGAON & BAHIARA GHAT	22	NA	NA	No	781850	Sand	Existing
Son	KUBERCHAK GHAT	20	NA	NA	No	702829	Sand	Existing
Son	NEW HARIPUR (CHITTANIPUR) GHAT	22	NA	NA	No	786089	Sand	Existing
Son	HARIPUR & SADASHIVPUR GHAT	23	NA	NA	No	814019	Sand	Existing
Son	MANAICHAK	15	NA	NA	No	523547	Sand	Existing
Son	KAMALUCHAK & SEMRA GHAT	20	NA	NA	No	706938	Sand	Existing
Son	SANDESH GHAT	10	NA	NA	No	465852	Sand	Existing
Son	KIRKIREE GHAT	15	NA	NA	No	778442	Sand	Existing
Son	BARUHI GHAT	15	NA	NA	No	778442	Sand	Existing

Son	PEUR GHAT	20	NA	NA	No	941021	Sand	Existing
Son	KARBASIN GHAT	15	NA	NA	No	742006	Sand	Existing
Son	FATEHPUR GHAT	14	NA	NA	No	692004	Sand	Existing
Son	ANDHERY GHAT	17	NA	NA	No	854755	Sand	Existing
Son	BHITA GHAT	15	NA	NA	No	2395208	Sand	Existing
Son	CHILHAUNS GHAT	12	NA	NA	No	416437	Sand	Existing
Son	FARAHANUPUR GHAT	20	NA	NA	No	708746	Sand	Existing
Son	ABGILA GHAT	22	NA	NA	No	9,50,400	Sand	Existing
Son	ANDHARI-I GHAT	24.5	NA	NA	No	10,58,400	Sand	Existing
Son	BARUHI-I GHAT	20	NA	NA	No	8,64,000	Sand	Existing
Son	BHITA-I GHAT	24.8	NA	NA	No	10,71,360	Sand	Existing
Son	DHANDIHA-I GHAT	24.8	NA	NA	No	10,71,360	Sand	Existing
Son	FARHANGPUR-I GHAT	17	NA	NA	No	7,34,400	Sand	Existing
Son	KAMALUCHAK MAHUI SEMARIYA GHAT	14.5	NA	NA	No	6,26,400	Sand	Existing
Son	KHAIRA GHAT	24	NA	NA	No	10,36,800	Sand	Existing
Son	KHANGAON GHAT	24.8	NA	NA	No	10,71,360	Sand	Existing
Son	KHANGAON GHAT I	24.8	NA	NA	No	10,71,360	Sand	Existing
Son	KHARAON KALAN GHAT	24.5	NA	NA	No	10,58,400	Sand	Existing
Son	KOILWAR CHITTAMPUR GHAT	15	NA	NA	No	6,48,000	Sand	Existing
Son	MAHUI GHAT	24.8	NA	NA	No	10,71,360	Sand	Existing

Son	SAHAR PUERCHAK GHAT	24.8	NA	NA	No	10,71,360	Sand	Existing
Son	SARIMPUR & BACHARI-1 GHAT	24.8	NA	NA	No	10,71,360	Sand	Existing
Son	SURUNDHA GHAT	14.5	NA	NA	No	6,26,400	Sand	Existing
Son	SEMRA MAKDUMPUR GHAT	4	NA	NA	No	172800	Sand	Existing
Son	NONAUR GHAT	24.5	NA	NA	No	1242000	Sand	Existing
Son	KARBASIN NONAUR	24.6	NA	NA	No	1243620	Sand	Existing
Son	MEHANDAURA BRAHPUR GHAT	24	NA	NA	No	1197720	Sand	Existing
Son	NARAYNAGANJ GHAT	20	NA	NA	No	997380	Sand	Existing
Son	BAGA BHIKHANCHAK	24.7	NA	NA	No	1257180	Sand	Existing
Son	KHAMKHERANPUR & AHMANCHAK GHAT	24.4	NA	NA	No	1236060	Sand	Existing
Son	PIPLARI GHAT	22	NA	NA	No	1105920	Sand	Existing
Son	KHANDAUL SARAIYA GHAT	22.8	NA	NA	No	1151820	Sand	Existing
Son	TRIKAUL GHAT	18	NA	NA	No	899100	Sand	Existing
Son	CHITHAUNS GHAT 1	24	NA	NA	No	1236060	Sand	Existing
Son	SARIMPUR BACHRI GHAT	24	NA	NA	No	1231740	Sand	Existing
Son	FATEHPUR GHAT 1	20	NA	NA	No	1001700	Sand	Existing
Son	LODIPUR GHAT	20	NA	NA	No	997920	Sand	Existing
Son	IMADPUR GHAT	18.5	NA	NA	No	927180	Sand	Existing
Son	TV SENETORIUM GHAT	20	NA	NA	No	1002780	Sand	Existing
Son	HARIPUR & SADASHIPUR GHAT 1	5.87	NA	NA	No	274860	Sand	Existing

PROPOSED GHATS

River Details	Lease Details	Area (in Ha)	Distance (In KM) from PA/BR/WC/	Distance from Forest Area (in KM)	Mining leases within 500 meters (if yes cluster area)	Total excavation in Tonnes /Annum considering digging depth max as 3 meter	Mineral to be mined (Sand/Bajri/ RBM etc.)	Existing / Proposed
Son	BHOJPUR SON 1	27	NA	NA	No	1312200	Sand	Proposed
Son	BHOJPUR SON 2	12	NA	NA	No	583200	Sand	Proposed
Son	BHOJPUR SON 3	34	NA	NA	No	1652400	Sand	Proposed
Son	BHOJPUR SON 4	13	NA	NA	No	631800	Sand	Proposed
Son	BHOJPUR SON 5	55	NA	NA	No	2673000	Sand	Proposed
Son	BHOJPUR SON 6	37	NA	NA	No	1798200	Sand	Proposed
Son	BHOJPUR SON 7	30	NA	NA	No	1458000	Sand	Proposed
Son	BHOJPUR SON 8	18	NA	NA	No	874800	Sand	Proposed
Son	BHOJPUR SON 9	51	NA	NA	Yes Area:- 536 Ha	2479600	Sand	Proposed
Son	BHOJPUR SON 10	72	NA	NA		3499200	Sand	Proposed
Son	BHOJPUR SON 11	77	NA	NA		3742200	Sand	Proposed
Son	BHOJPUR SON 12	95	NA	NA		4617000	Sand	Proposed

Son	BHOJPUR SON 13	71	NA	NA		3450600	Sand	Proposed
Son	BHOJPUR SON 14	46	NA	NA		2235600	Sand	Proposed
Son	BHOJPUR SON 15	94	NA	NA		4568400	Sand	Proposed
Son	BHOJPUR SON 16	10	NA	NA		486000	Sand	Proposed
Son	BHOJPUR SON 17	20	NA	NA		972000	Sand	Proposed
Son	BHOJPUR SON 18	79	NA	NA	No	3839400	Sand	Proposed
Son	BHOJPUR SON 19	33	NA	NA	No	1603800	Sand	Proposed
Son	BHOJPUR SON 20	98	NA	NA		4762800	Sand	Proposed
Son	BHOJPUR SON 21	92	NA	NA	Yes Area:- 306 Ha	4471200	Sand	Proposed
Son	BHOJPUR SON 22	70	NA	NA		3402000	Sand	Proposed
Son	BHOJPUR SON 23	46	NA	NA		2235600	Sand	Proposed
Son	BHOJPUR SON 24	51	NA	NA	No	2478600	Sand	Proposed
Son	BHOJPUR SON 25	77	NA	NA		3742200	Sand	Proposed
Son	BHOJPUR SON 26	75	NA	NA		3645000	Sand	Proposed
Son	BHOJPUR SON 27	68	NA	NA	Yes Area:- 454 Ha	2304800	Sand	Proposed
Son	BHOJPUR SON 28	55	NA	NA		2673000	Sand	Proposed
Son	BHOJPUR SON 29	80	NA	NA		3888000	Sand	Proposed

Son	BHOJPUR SON 30	99	NA	NA		4811400	Sand	Proposed
Son	BHOJPUR SON 31	46	NA	NA	No	2235600	Sand	Proposed
Son	BHOJPUR SON 32	70	NA	NA	Yes Area:- 127 Ha	3402000	Sand	Proposed
Son	BHOJPUR SON 33	57	NA	NA		2770200	Sand	Proposed
Son	BHOJPUR SON 34	86	NA	NA	No	4179600	Sand	Proposed
Son	BHOJPUR SON 35	65	NA	NA	No	3159000	Sand	Proposed
Son	BHOJPUR SON 36	45	NA	NA	No	2187000	Sand	Proposed
Son	BHOJPUR SON 37	45	NA	NA	No	2187000	Sand	Proposed
Son	BHOJPUR SON 38	96	NA	NA	No	4665600	Sand	Proposed
Son	BHOJPUR SON 39	24.5	NA	NA	Yes Area:- 64 Ha	1190700	Sand	Proposed
Son	BHOJPUR SON 40	39.5	NA	NA		1919700	Sand	Proposed
Son	BHOJPUR SON 41	98	NA	NA	Yes Area:- 284 Ha	4762800	Sand	Proposed
Son	BHOJPUR SON 42	90	NA	NA		4374000	Sand	Proposed
Son	BHOJPUR SON 43	96	NA	NA		4665600	Sand	Proposed

River Details	Lease Details	Area (in Ha)	Distance (in KM) from PA/BR/WC/	Distance from Forest Area (in KM)	Mining leases within 500 meters (if yes cluster area)	Total excavation in Tonnes /Annum considering digging depth max as 2 meters	Mineral to be mined (Sand Bajri RBM etc.)	Existing Proposed
GANGA	BHOJPUR GANGA 1	10.5	NA	NA	No	510300	Sand	Proposed
GANGA	BHOJPUR GANGA 2	14	NA	NA	No	680400	Sand	Proposed
GANGA	BHOJPUR GANGA 3	27.5	NA	NA	No	1336500	Sand	Proposed
GANGA	BHOJPUR GANGA 4	24	NA	NA	No	1166400	Sand	Proposed
GANGA	BHOJPUR GANGA 5	19	NA	NA	No	923400	Sand	Proposed

Patta Lands/Khatedari Land: (existing & proposed)

Owner	Sy. No	Area	District	Tehsil	Village	Total Reserve (MT)	Total Mineral to be mined (MT)	Existing /Proposed
NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

De-Siltation Location: (Lakes/Ponds/Dams etc.) (Existing &proposed)

Name of Reservoir/ Dams	Maintain: Controlled by State Govt./PSU etc.	Location	Distt.	Tehsil	Village	Size(Ha)	Quantity MT/Year	Existing/ Proposed
NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

M-Sand Plants :(existing & proposed)

Plant Name	Owner	District	Tehsil	Village	Geo-location	Quantity MT/Annum	Existing/Proposed
NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL



Annexure-VI

Final List of Cluster & Contiguous Cluster

Clusters:

River Name	Cluster No.	Lease No	Location (Riverbed / Patta Land)	Village	Area (in Ha)	Total Excavation (Ton)	Total Mineral Excavation (Ton)
Son	1	Bhojpur Son 09,10,11,12,13,14,15,16 &17	Riverbed	Nil	536	26049600	26049600
Son	2	Bhojpur Son 20,21,22 & 23	Riverbed	Nil	306	14871600	14871600
Son	3	Bhojpur Son 25,26,27,28, 29 & 30	Riverbed	Nil	454	22064400	22064400
Son	4	Bhojpur Son 32 & 33	Riverbed	Nil	127	6172200	6172200
Son	5	Bhojpur Son 39 & 40	Riverbed	Nil	64	3110400	3110400
Son	6	Bhojpur Son 41,42 & 43	Riverbed	Nil	284	13802400	13802400
Ganga	Nil	Nil	Nil	Nil	Nil	Nil	Nil

Contiguous Clusters:

River Name	Contiguous Cluster No	Cluster No	Number of leases in the cluster	Location (Riverbed /Patta/Land)	Distance between clusters	Village	Area of Cluster (in Ha.)	Total Mineral Excavation (Ton)
Son	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Son
Ganga	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Ganga



Annexure-VII

Final Transportation Routes for individual leases and leases in Cluster

Lease No	Transportation Route No	Number Of tippers /day of lease	Number Of tippers /day of all the lease on route	Length of Route in KM	Type of Road (Black Topped / Unpaved)	Recommendation for road (Black Topped/ unpaved)	The road will be Constructed by Govt./ Lease Owner	Route Map & Location
BHOJPUR SON 1	Babura - Koilwar Road	162	NA	2.5	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 2	Babura - Koilwar Road	72		2.0	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 3	Babura - Koilwar Road	204		0.75	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 4	Babura - Koilwar Road	78		0.90	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 5	Arrah-Chandi-Koilwar Road	330		0.95	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 6	Arrah Chandi-Koilwar Road	222		0.38	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 7	Chandi-Nasriganj Road	180		0.40	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 8	Chandi-Nasriganj Road	108		0.58	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 9	Chandi-Nasriganj Road	306		1.74	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 10	Chandi-Nasriganj Road	432		1.72	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 11	Chandi-Nasriganj Road	462		1.5	Unpaved	Unpaved	Lease Owner	Route Map Attached

BHOJPUR SON 12	Chandi-Nasriganj Road	530		0.7	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 13	Chandi-Nasriganj Road	426		1.0	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 14	Chandi-Nasriganj Road	276		1.68	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 15	Chandi-Nasriganj Road	564		0.90	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 16	Chandi-Nasriganj Road	60		1.48	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 17	Chandi-Nasriganj Road	320		1.10	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 18	Chandi-Nasriganj Road	474		0.40	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 19	Chandi-Nasriganj Road	198		0.5	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 20	Chandi-Nasriganj Road	588		1.48	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 21	Chandi-Nasriganj Road	552		0.97	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 22	Chandi-Nasriganj Road	420		0.5	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 23	Chandi-Nasriganj Road	276		0.62	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 24	Chandi-Nasriganj Road	306		0.6	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 25	Chandi-Nasriganj Road	462		0.73	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 26	Chandi-Nasriganj Road	450		1.95	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 27	Chandi-Nasriganj Road	408		1.45	Unpaved	Unpaved	Lease Owner	Route Map Attached



BHOJPUR SON 28	Chandi-Nasriganj Road	330		1.30	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 29	Chandi-Nasriganj Road	480		0.80	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 30	Chandi-Nasriganj Road	594		0.40	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 31	Patna – Aurangabad Road	276		1.80	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 32	Chandi-Nasriganj Road	420		0.40	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 33	Chandi-Nasriganj Road	342		0.54	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 34	Chandi-Nasriganj Road	516		0.75	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 35	Chandi-Nasriganj Road	390		0.14	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 36	Chandi-Nasriganj Road	270		1.5	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 37	Chandi-Nasriganj Road	270		1.0	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 38	Chandi-Nasriganj Road	576		0.22	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 39	Chandi-Nasriganj Road	147		0.60	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 40	Chandi-Nasriganj Road	237		0.85	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 41	Chandi-Nasriganj Road	588		2.35	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 42	Chandi-Nasriganj Road	540		1.5	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR SON 43	Chandi-Nasriganj Road	576		1.5	Unpaved	Unpaved	Lease Owner	Route Map Attached

Lease No	Transportation Route No	Number Of tippers /day of lease	Number Of tippers /day of all the lease on route	Length of Route in KM	Type of Road (Black Topped / Unpaved)	Recommendation for road (Black Topped/ unpaved)	The road will be Constructed by Govt / Lease Owner	Route Map & Location
BHOJPUR GANGA 1	Road towards Bakhorapur	63	NA	1.95	Unpaved	Unpaved	Lease Owner	Rome Map Attached
BHOJPUR GANGA 2	Road towards Bakhorapur	84		4.9	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR GANGA 3	Road towards Majhaul	165		1.8	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR GANGA 4	Road towards Salempur	144		1.35	Unpaved	Unpaved	Lease Owner	Route Map Attached
BHOJPUR GANGA 5	Road towards Bhiwal Chhapra	114		2.6	Unpaved	Unpaved	Lease Owner	Route Map Attached

Cluster No	Transportation Route No	Number of tippers /day of cluster	Number of tippers /day of all the clusters on route	Length of Route in KM	Type of Road (Black Topped/ unpaved)	Recommendation For road (Black Topped/ unpaved)	The road will be Constructed by Govt. / Lease Owner	Route Map & Location
NA	NA	NA	NA	NA	NA	NA	NA	NA



HAUL ROAD MAP

(SON RIVER)

SEIAA, Bihar



HAUL ROAD MAP OF THE PROJECT SITE

Legend

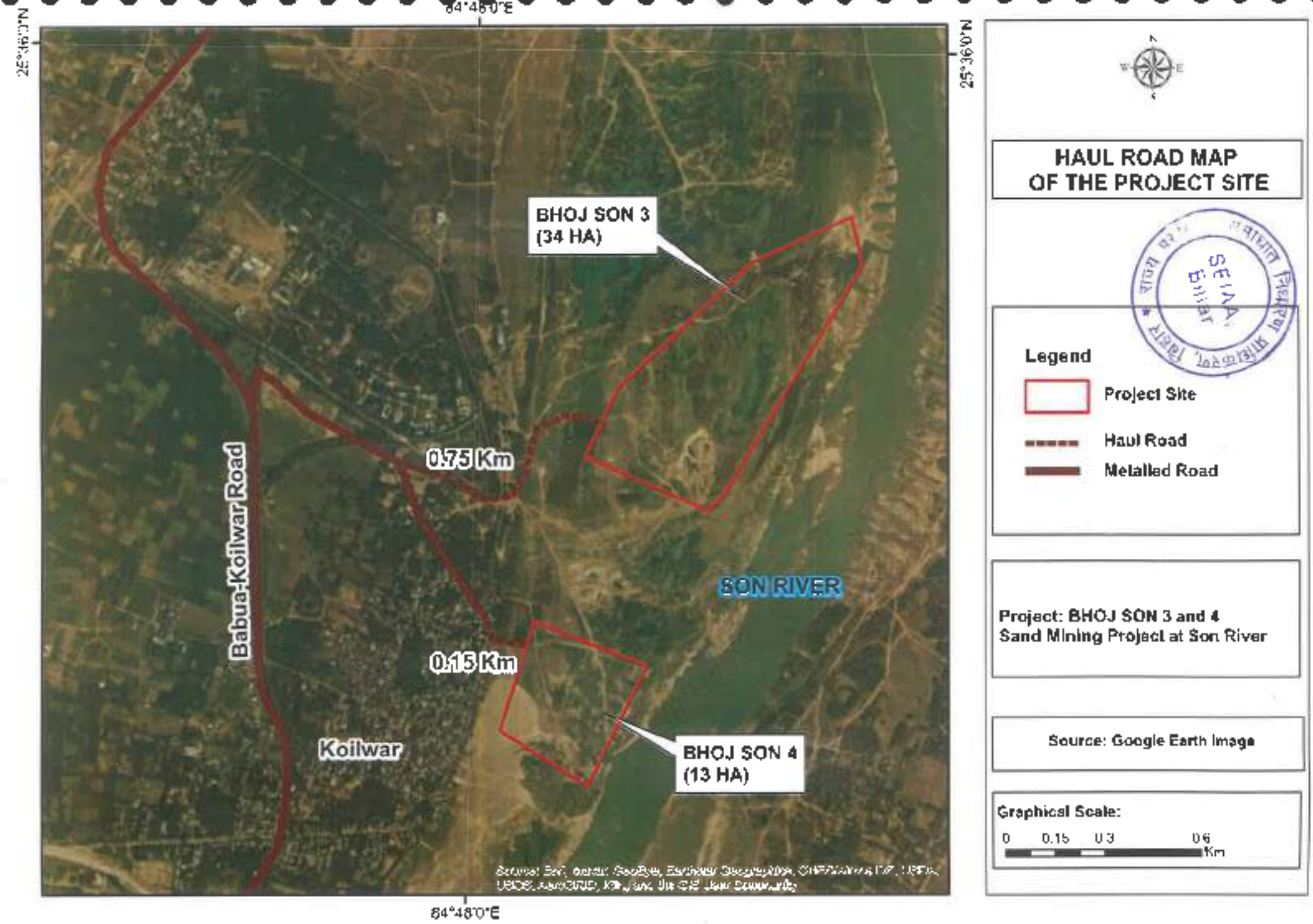
- Project Site
- Haul Road
- Metalled Road

Project: BHOJ SON 1 and 2
Sand Mining Project at Son River

Source: Google Earth Image

Graphical Scale:

0 0.25 0.5 1 Km



HAUL ROAD MAP OF THE PROJECT SITE

SEIAA Bihar

Legend

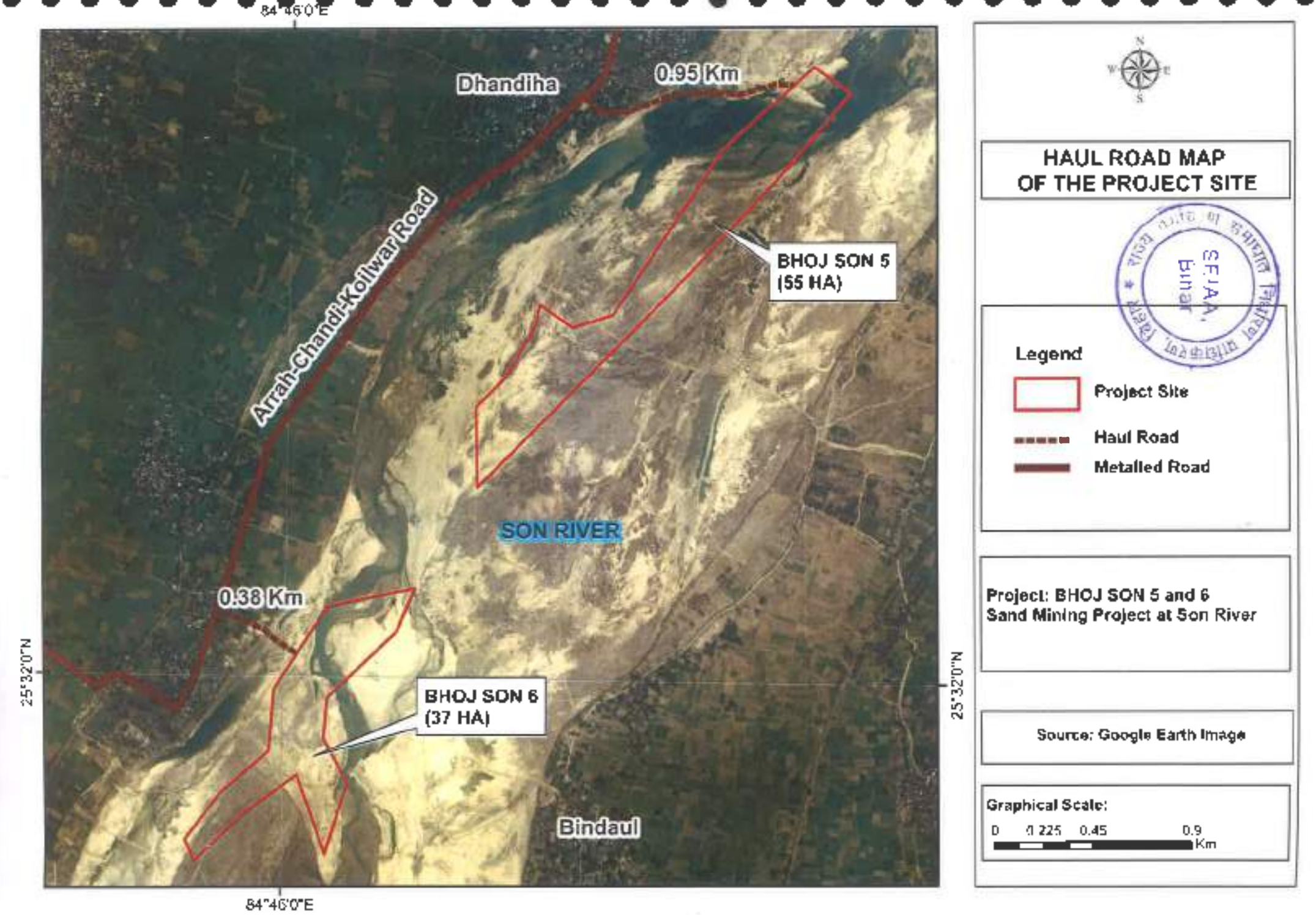
- Project Site
- Haul Road
- Metalled Road

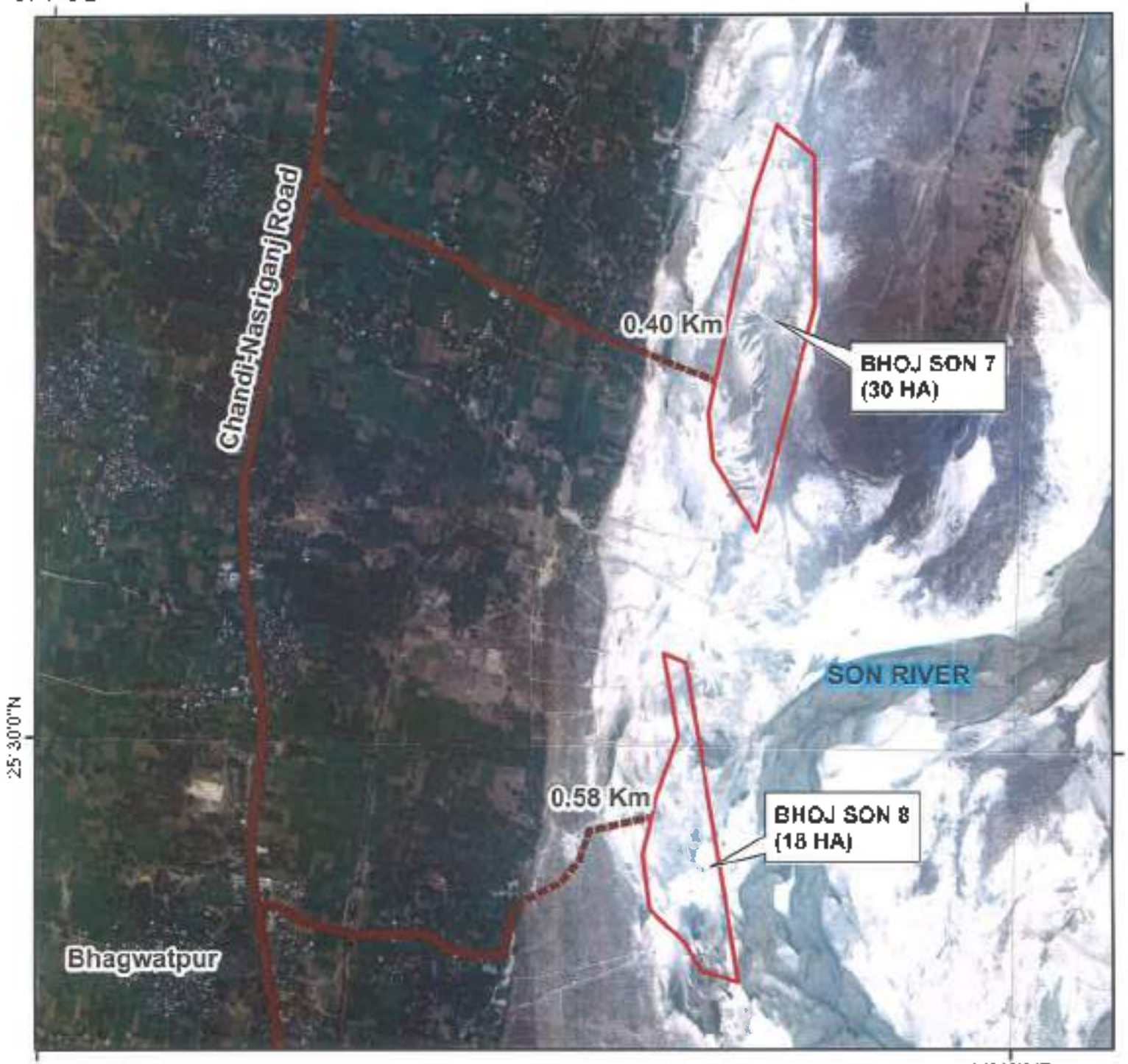
Project: BHOJ SON 3 and 4
Sand Mining Project at Son River

Source: Google Earth Image

Graphical Scale:

0 0.15 0.3 0.6 Km


84°46'0"E
Dhandiha
0.95 Km
Arrah-Chandi-Koilwar Road
BHOJ SON 5
(55 HA)
SON RIVER
0.38 Km
BHOJ SON 6
(37 HA)
Bindaul
25°32'0"N
84°46'0"E
25°32'0"N
N
W
E
S
HAUL ROAD MAP
OF THE PROJECT SITE
SFJAA,
Bihar
Legend
Project Site
Haul Road
Metalled Road
Project: BHOJ SON 5 and 6
Sand Mining Project at Son River
Source: Google Earth Image
Graphical Scale:
0 0.225 0.45 0.9
Km



HAUL ROAD MAP OF THE PROJECT SITE

Legend

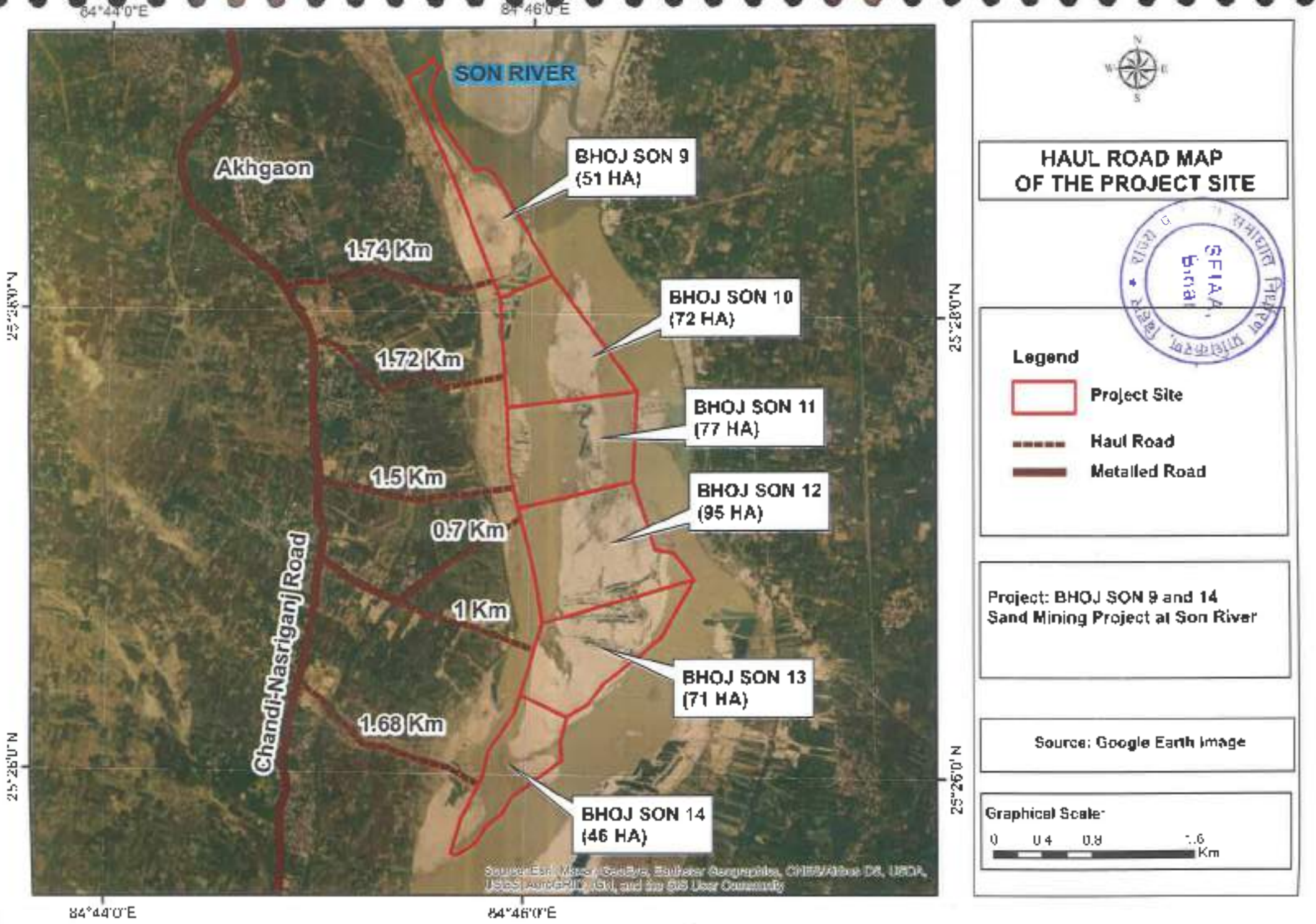
- Project Site
- Haul Road
- Metalled Road

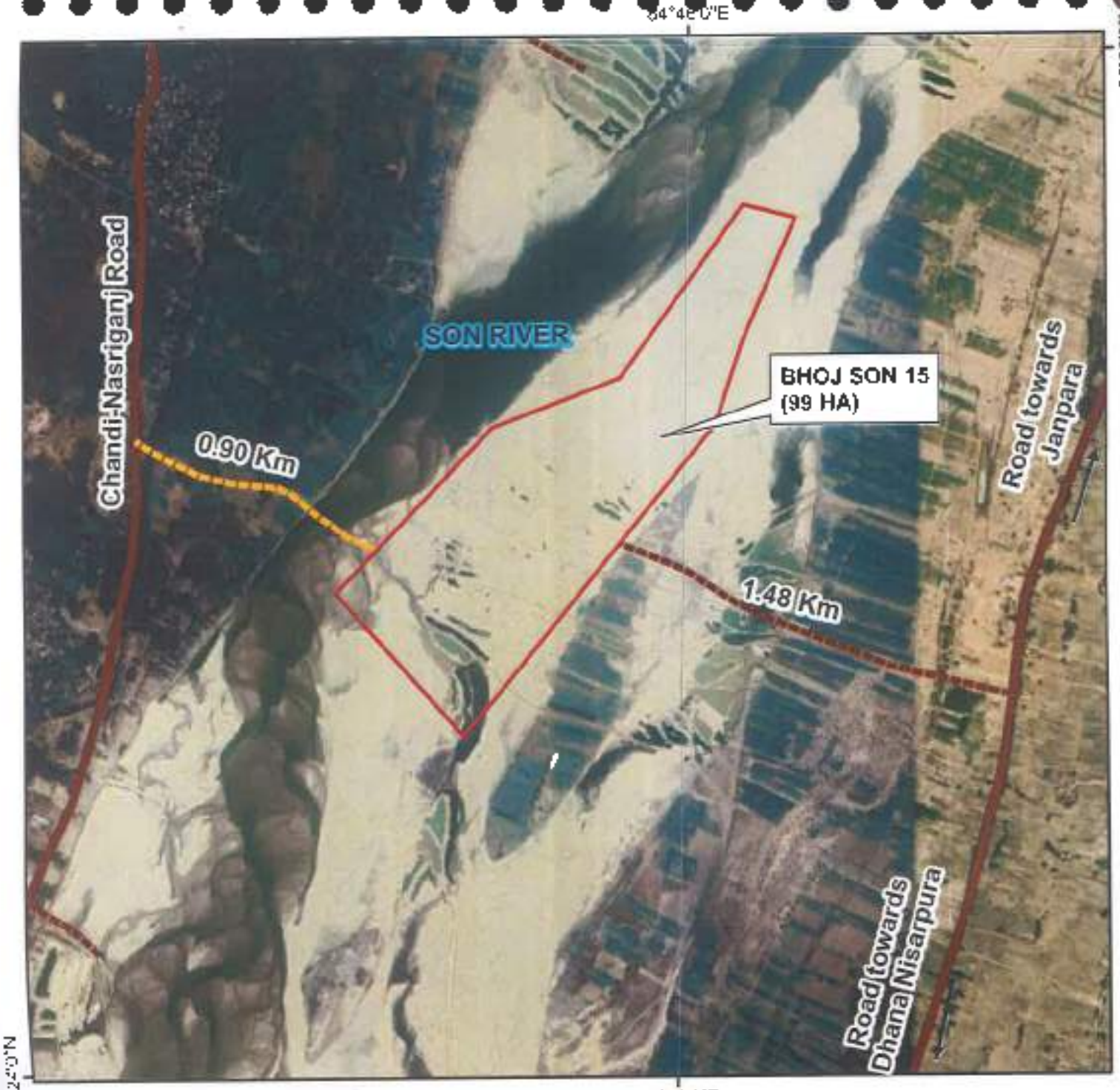
Project: BHOJ SON 7 and 8
Sand Mining Project at Son River

Source: Google Earth Image

Graphical Scale:

0 0.2 0.4 0.8 Km


84°44'0"E
84°46'0"E
25°28'0"N
25°26'0"N
SON RIVER
Akhgaon
1.74 Km
1.72 Km
1.5 Km
0.7 Km
1 Km
1.68 Km
Chandi-Nasriganj Road
BHOJ SON 9
(51 HA)
BHOJ SON 10
(72 HA)
BHOJ SON 11
(77 HA)
BHOJ SON 12
(95 HA)
BHOJ SON 13
(71 HA)
BHOJ SON 14
(46 HA)
HAUL ROAD MAP
OF THE PROJECT SITE
Legend
Project Site
Haul Road
Metalled Road
Project: BHOJ SON 9 and 14
Sand Mining Project at Son River
Source: Google Earth Image
Graphical Scale
0 0.4 0.8 1.6
Km



HAUL ROAD MAP OF THE PROJECT SITE

Legend

- Project Site
- Haul Road
- Metalled Road
- Alternative Road

Project: BHOJ SON 15
Sand Mining Project at Son River
Area- 99 Ha

Source: Google Earth Image

Graphical Scale:

0 0.2 0.4 0.8 Km



HAUL ROAD MAP OF THE PROJECT SITE

Legend

- Project Site
- Haul Road
- Metalled Road

Project: BHOJ SON 16
Sand Mining Project at Son River
Area- 10 Ha

Source: Google Earth Image

Graphical Scale:

0 0.125 0.25 0.5 Km



HAUL ROAD MAP OF THE PROJECT SITE

Legend

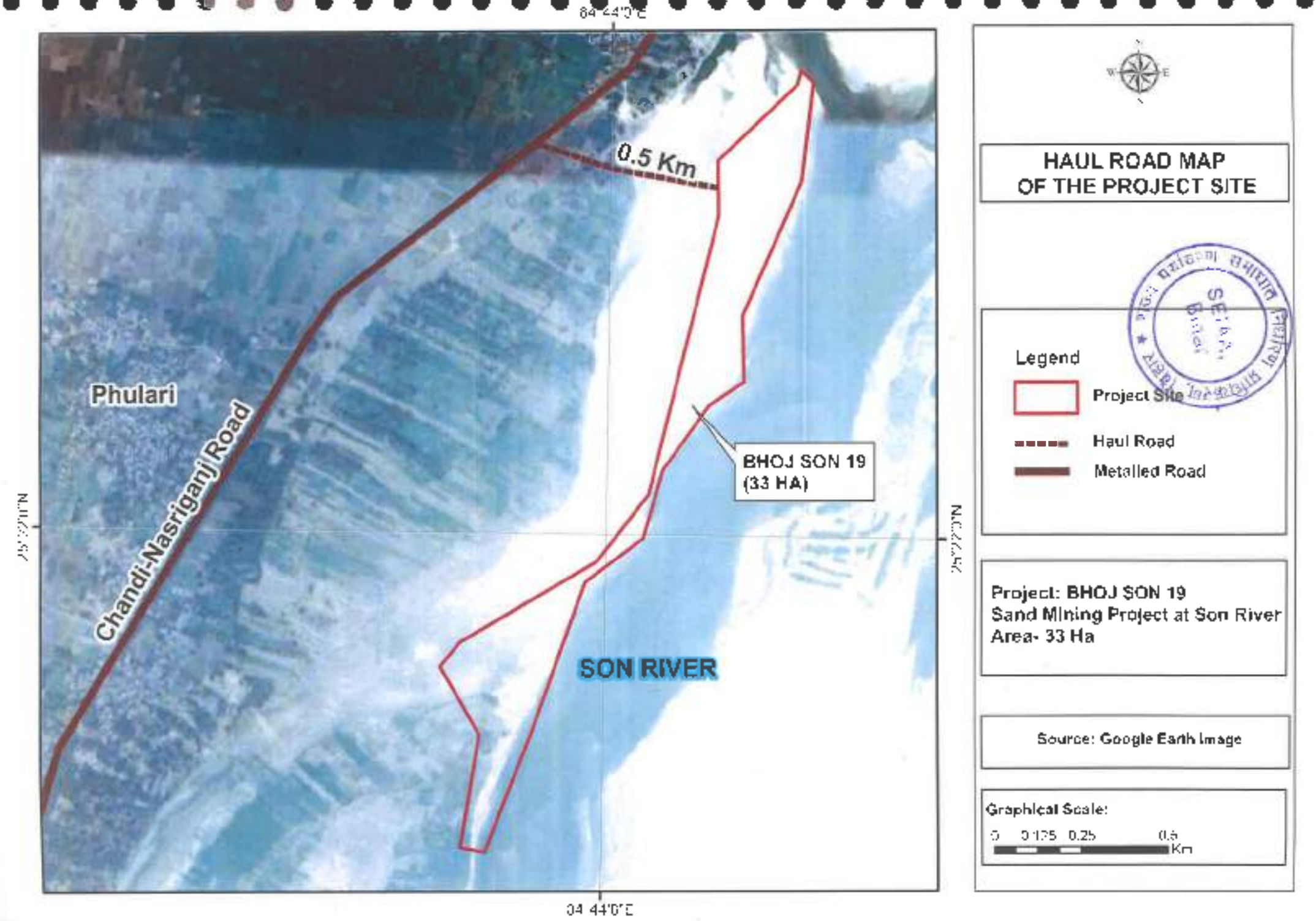
- Project Site
- Haul Road
- Metalled Road
- Alternative Road

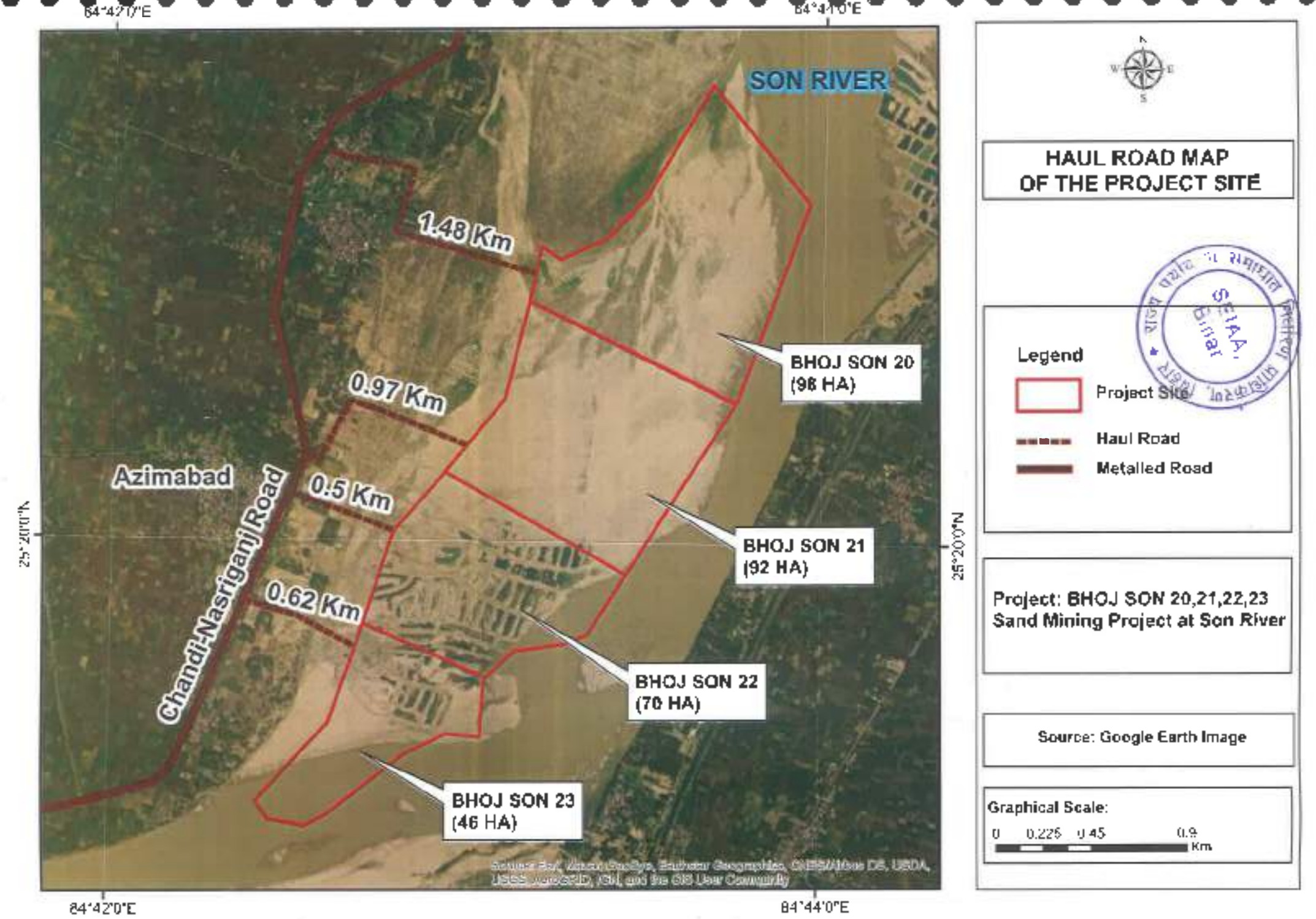
Project: BHOJ SON 17 and 18
Sand Mining Project at Son River

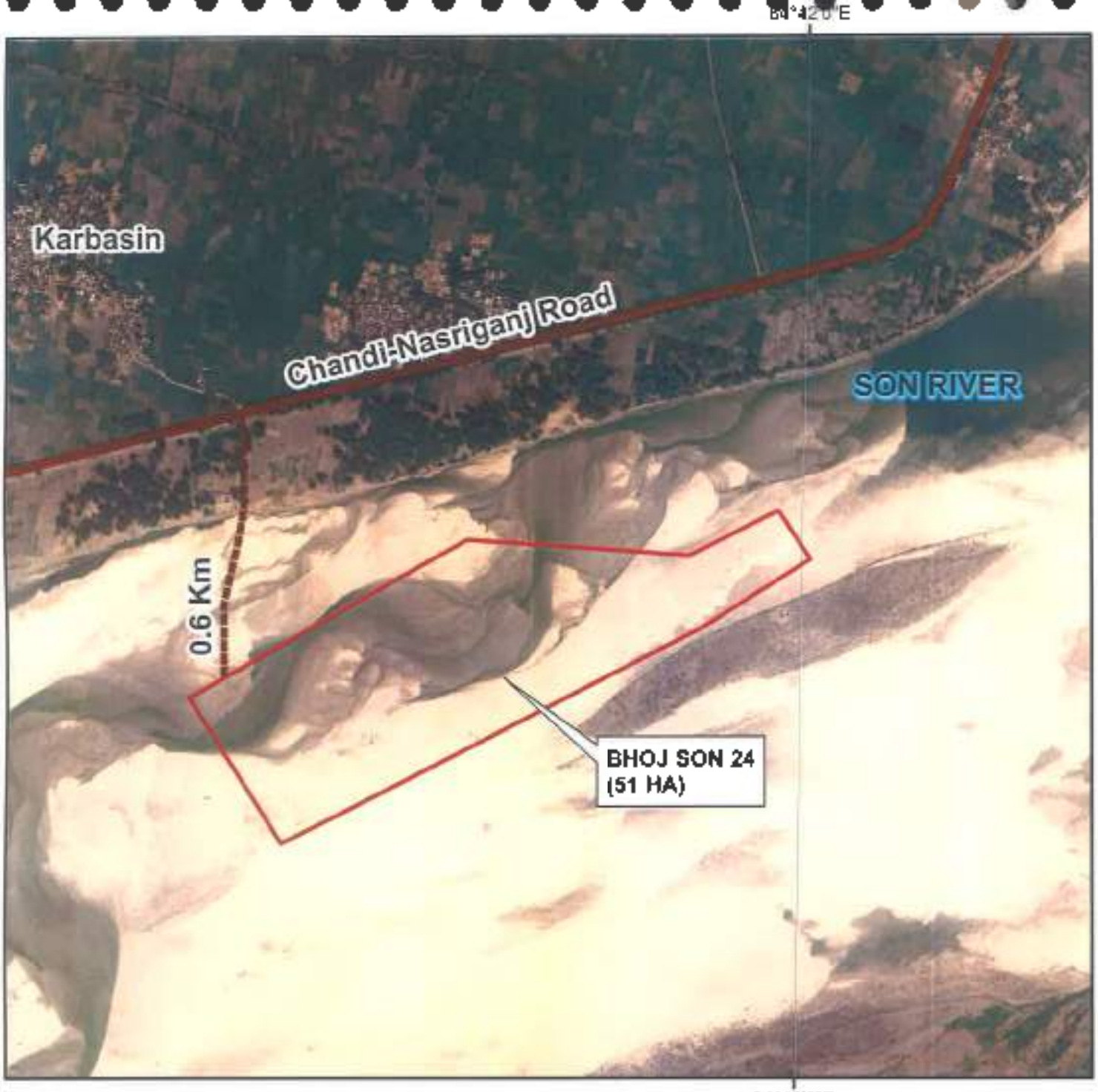
Source: Google Earth Image

Graphical Scale:

0 0.25 0.5 1 Km


84°44'0"E
0.5 Km
Phulari
Chandi-Nasriganj Road
BHOJ SON 19
(33 HA)
SON RIVER
24°42'0"N
84°44'0"E
HAUL ROAD MAP
OF THE PROJECT SITE
Legend
Project Site
Haul Road
Metalled Road
Project: BHOJ SON 19
Sand Mining Project at Son River
Area- 33 Ha
Source: Google Earth Image
Graphical Scale:
0 0.125 0.25 0.5
Km


84°42'0"E
84°44'0"E
25°20'0"N
SON RIVER
1.48 Km
0.97 Km
0.5 Km
0.62 Km
Azimabad
Chandi-Nasriganj Road
BHOJ SON 20
(98 HA)
BHOJ SON 21
(92 HA)
BHOJ SON 22
(70 HA)
BHOJ SON 23
(46 HA)
HAUL ROAD MAP
OF THE PROJECT SITE
Legend
Project Site
Haul Road
Metalled Road
SEIAA, Bihar
Project: BHOJ SON 20,21,22,23
Sand Mining Project at Son River
Source: Google Earth Image
Graphical Scale:
0 0.225 0.45 0.9
Km



N
W E
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HAUL ROAD MAP OF THE PROJECT SITE

SEIAA, Bihar

Legend

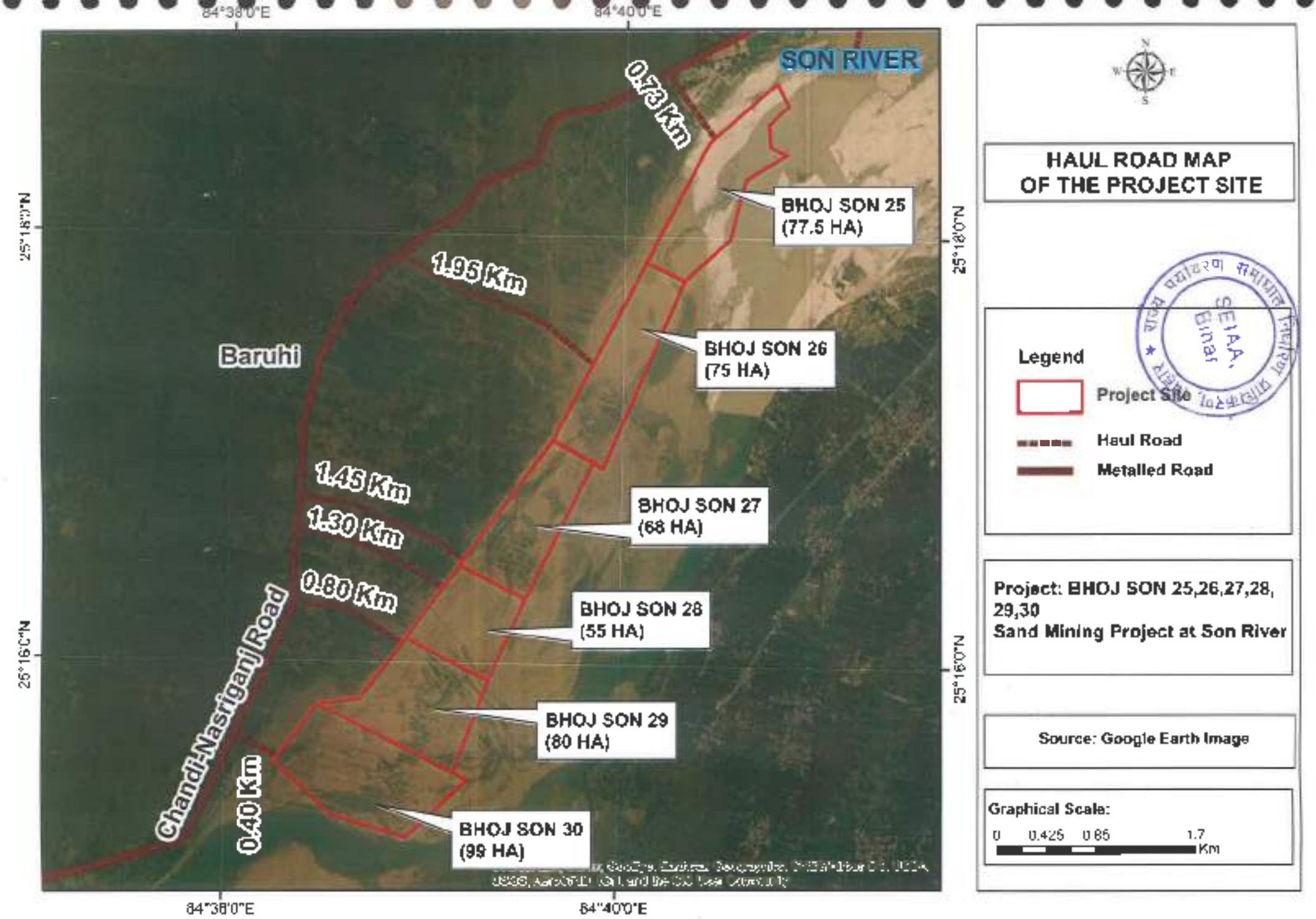
- Project Site
- Haul Road
- Metalled Road

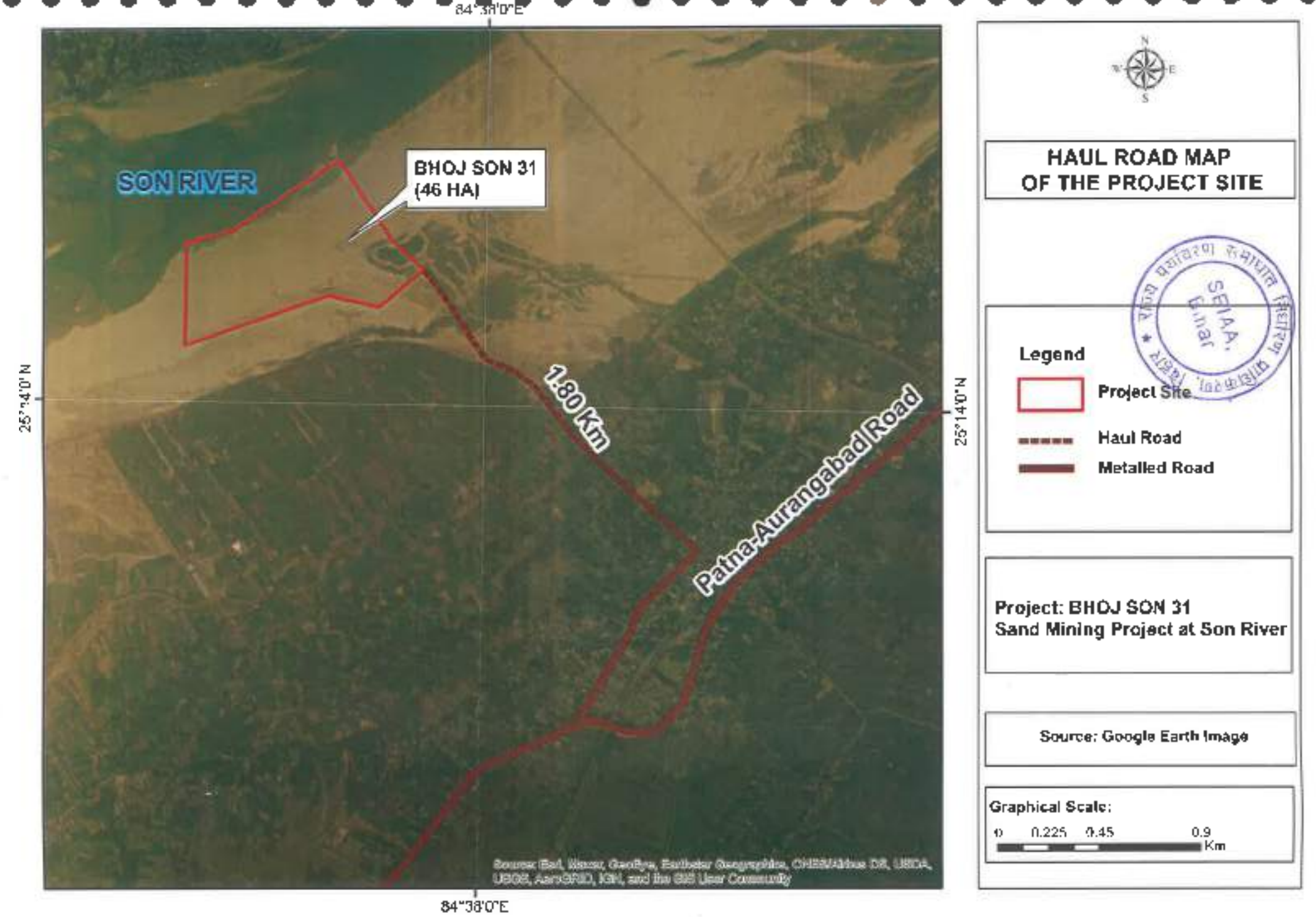
Project: BHOJ SON 24
Sand Mining Project at Son River
Area- 51 Ha

Source: Google Earth Image

Graphical Scale:

0 0.15 0.3 0.6 Km


84°38'0"E
84°40'0"E
25°18'0"N
25°16'0"N
SON RIVER
0.73 Km
1.95 Km
1.45 Km
1.30 Km
0.80 Km
0.40 Km
Baruhi
Chandi-Nasriganj Road
BHOJ SON 25
(77.5 HA)
BHOJ SON 26
(75 HA)
BHOJ SON 27
(68 HA)
BHOJ SON 28
(55 HA)
BHOJ SON 29
(80 HA)
BHOJ SON 30
(99 HA)
HAUL ROAD MAP
OF THE PROJECT SITE
Legend
Project Site
Haul Road
Metalled Road
SEIAA, Bihar
Project: BHOJ SON 25,26,27,28, 29,30
Sand Mining Project at Son River
Source: Google Earth Image
Graphical Scale:
0 0.425 0.85 1.7
Km



N

W E

S

HAUL ROAD MAP OF THE PROJECT SITE

SEIAA, Bihar

Legend

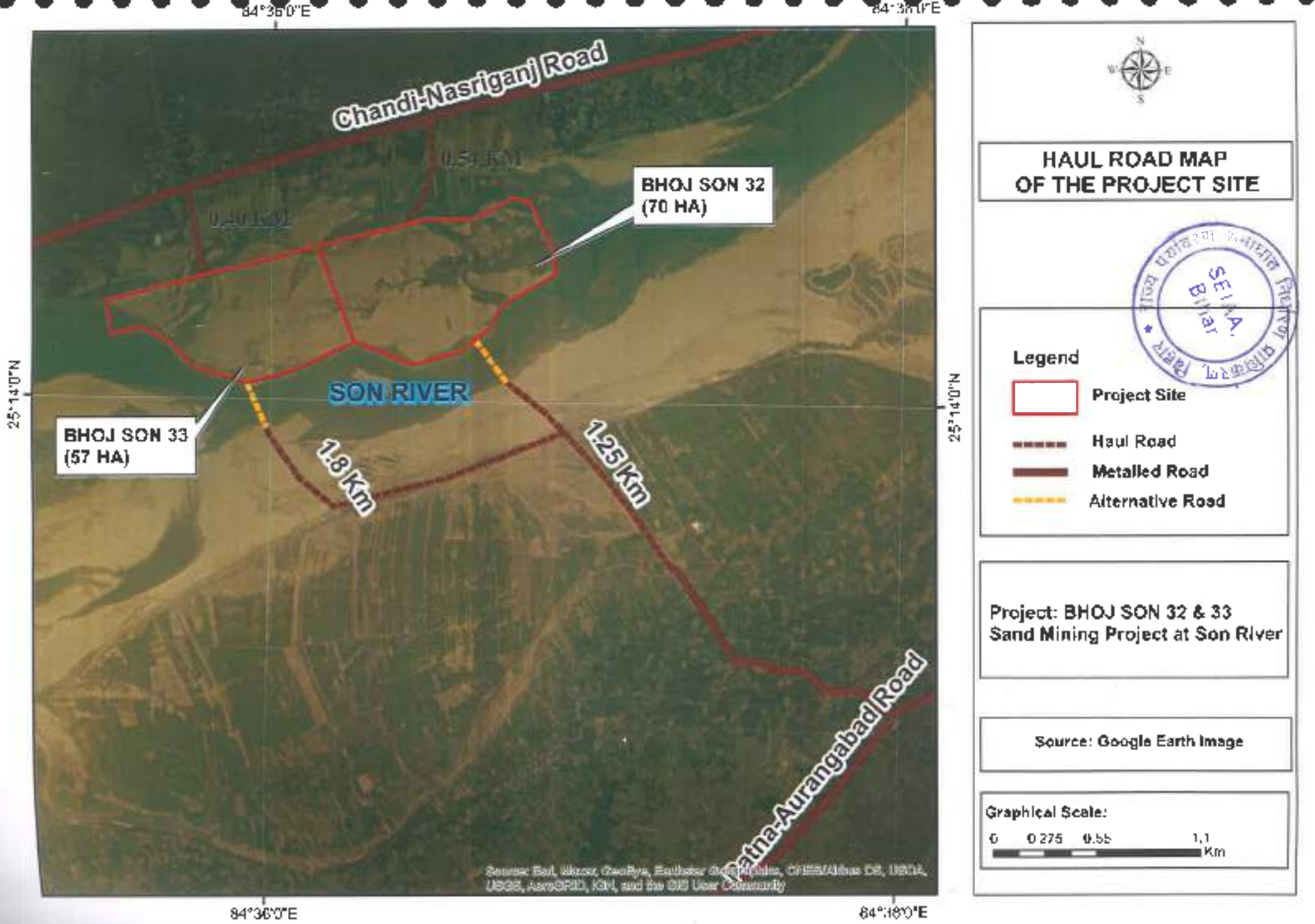
- Project Site
- Haul Road
- Metalled Road

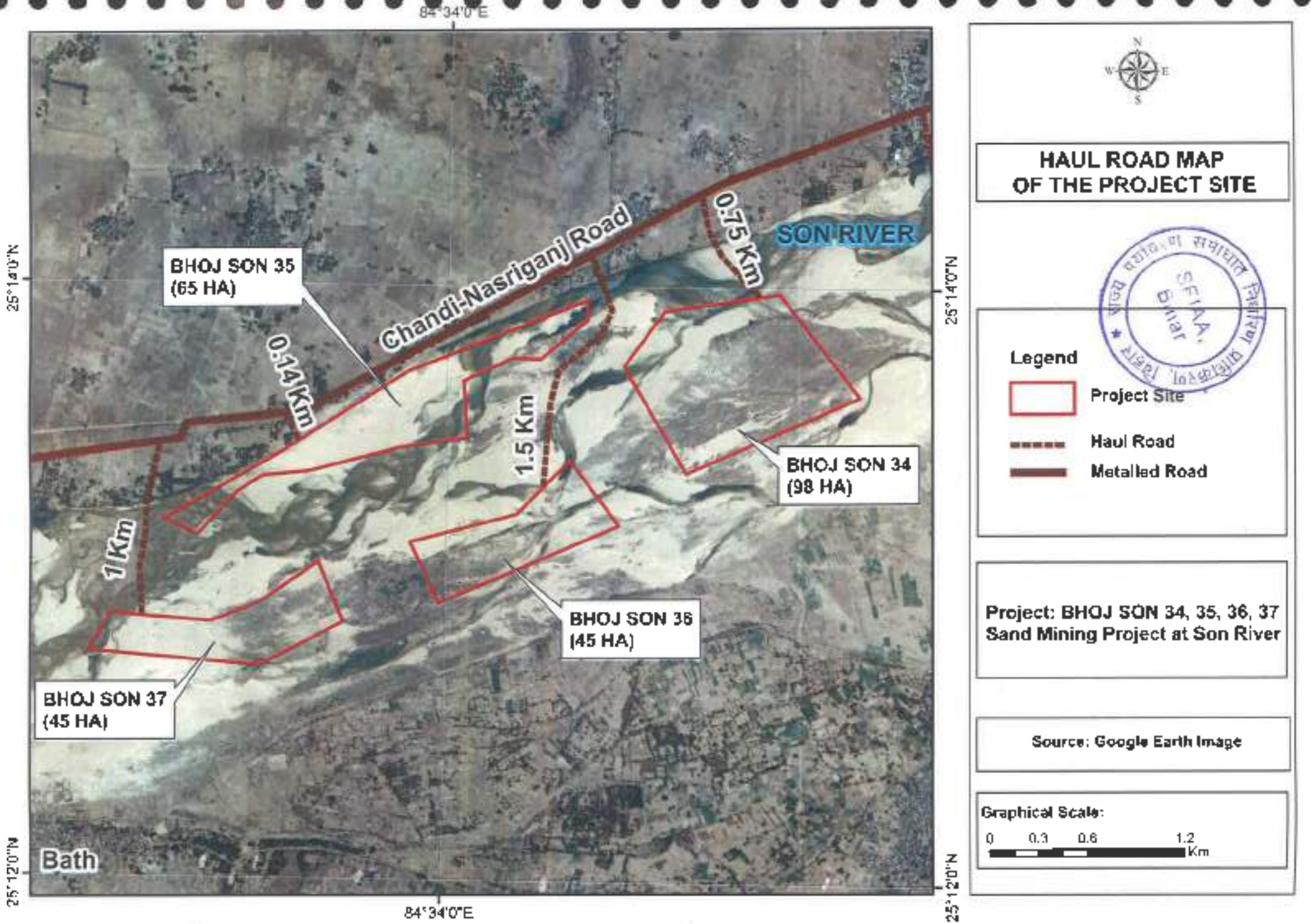
Project: BHOJ SON 31
Sand Mining Project at Son River

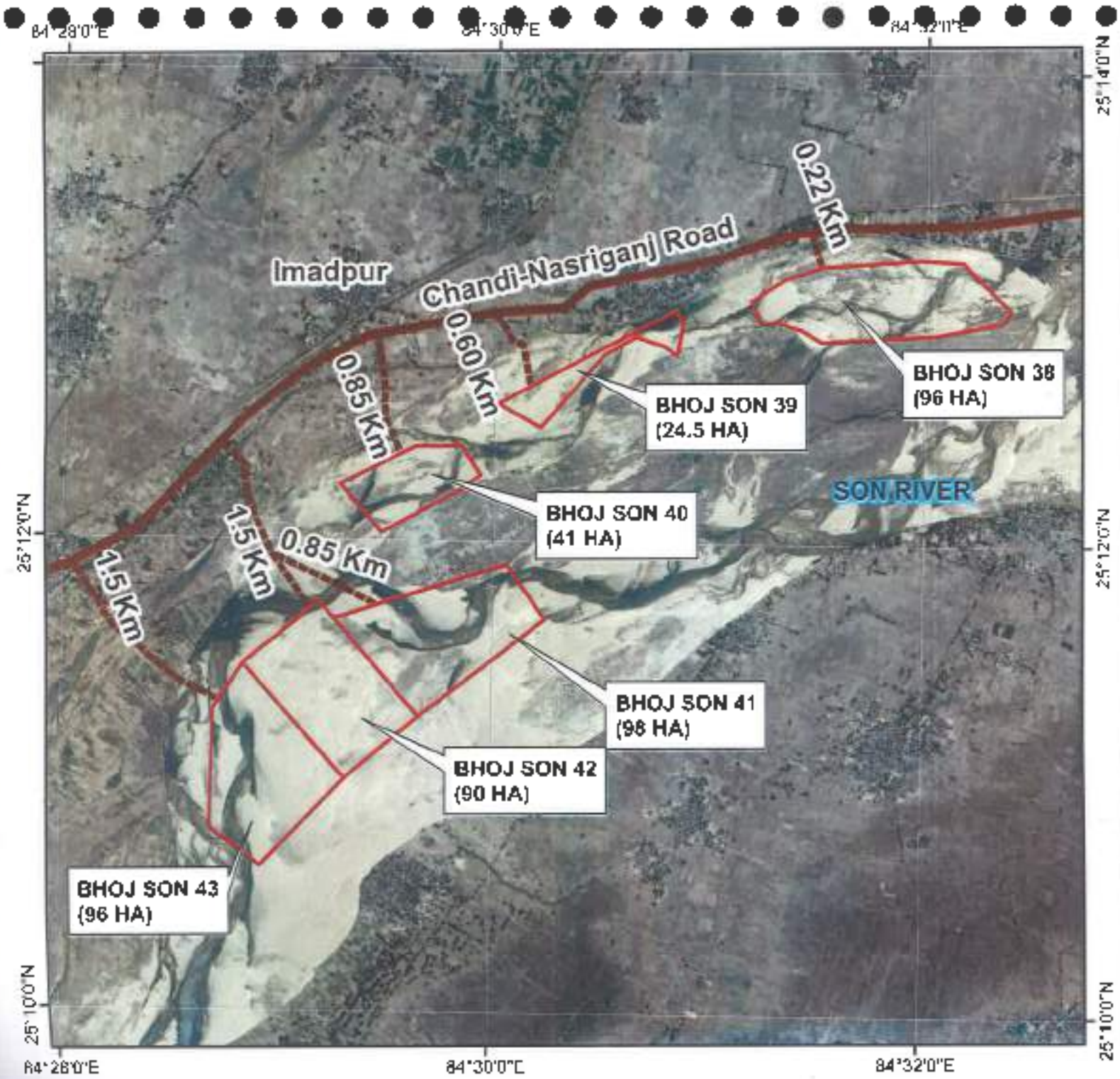
Source: Google Earth Image

Graphical Scale:

0 0.225 0.45 0.9 Km


84°35'0"E
84°36'0"E
25°14'0"N
Chandi-Nasriganj Road
BHOJ SON 32
(70 HA)
SON RIVER
BHOJ SON 33
(57 HA)
1.8 Km
1.25 Km
Patna-Aurangabad Road
N
W
E
S
HAUL ROAD MAP
OF THE PROJECT SITE
SEIAA
Bihar
Legend
Project Site
Haul Road
Metalled Road
Alternative Road
Project: BHOJ SON 32 & 33
Sand Mining Project at Son River
Source: Google Earth Image
Graphical Scale:
0 0.275 0.55 1.1
Km


84°34'0"E
25°14'0"N
25°12'0"N
BHOJ SON 35
(65 HA)
Chandi-Nasriganj Road
0.75 Km
SON RIVER
0.14Km
1.5 Km
1Km
BHOJ SON 34
(98 HA)
BHOJ SON 36
(45 HA)
BHOJ SON 37
(45 HA)
Bath
HAUL ROAD MAP
OF THE PROJECT SITE
Legend
Project Site
Haul Road
Metalled Road
SEIAA, Bihar
Project: BHOJ SON 34, 35, 36, 37
Sand Mining Project at Son River
Source: Google Earth Image
Graphical Scale:
0 0.3 0.6 1.2
Km



HAUL ROAD MAP OF THE PROJECT SITE

Legend

- Project Site
- Haul Road
- Metalled Road

SEIAA Bihar

Project: BHOJ SON 38,39,40,41, 42,43
Sand Mining Project at Son River

Source: Google Earth Image

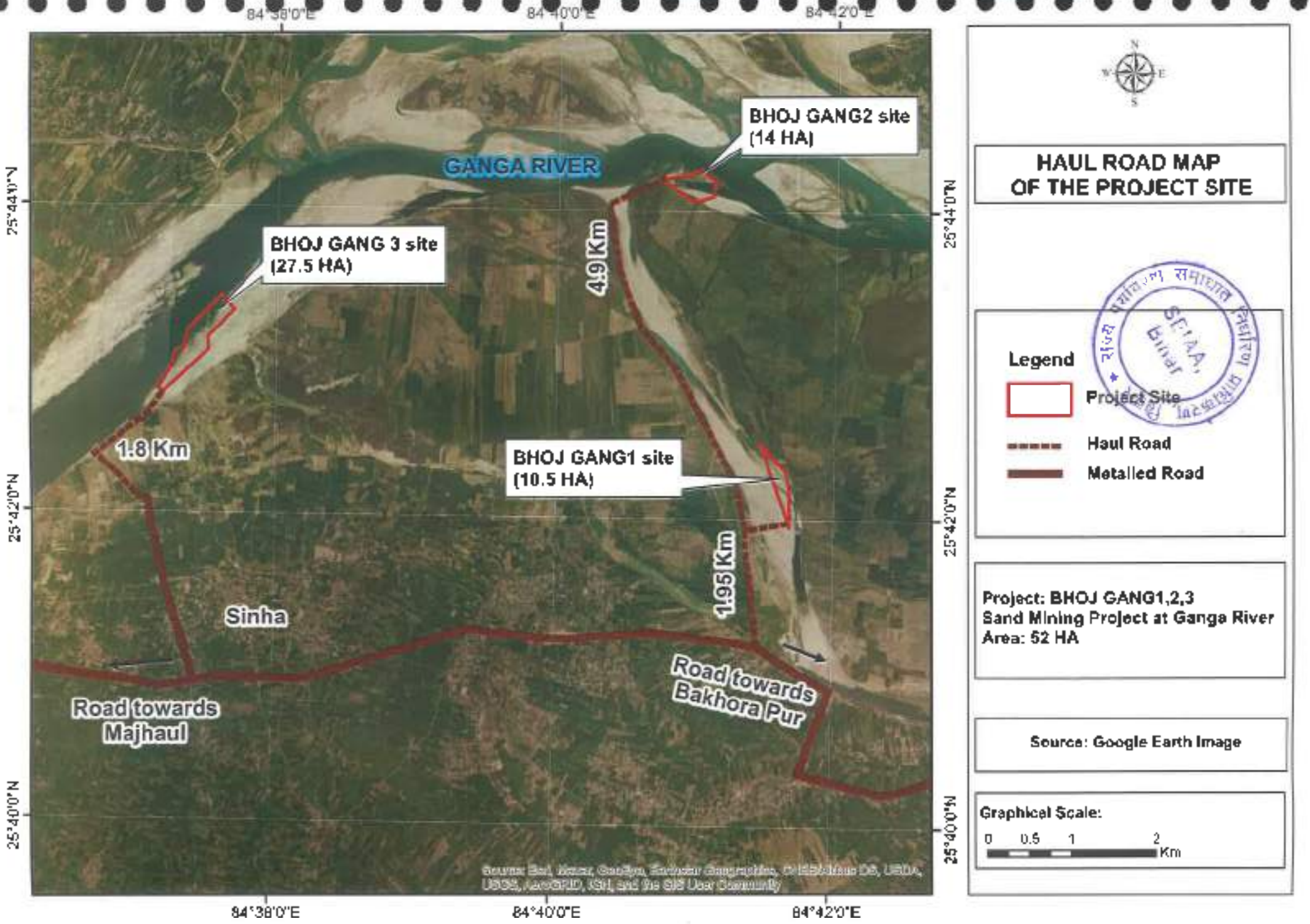
Graphical Scale:

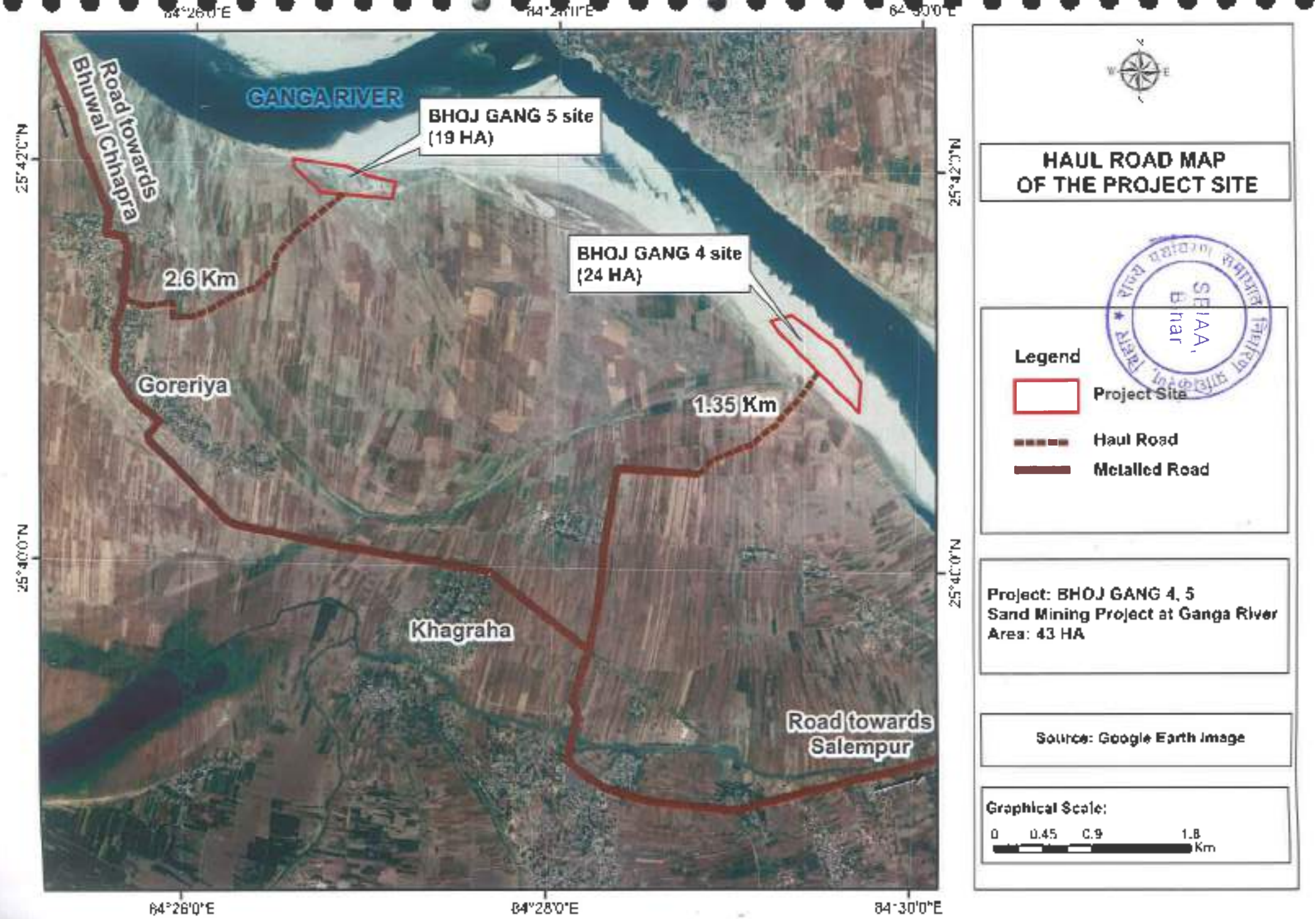
0 0.45 0.9 1.8 Km

HAUL ROAD MAP

(GANGA RIVER)




84°38'0"E
84°40'0"E
84°42'0"E
25°44'0"N
25°42'0"N
25°40'0"N
GANGA RIVER
BHOJ GANG2 site
(14 HA)
BHOJ GANG 3 site
(27.5 HA)
BHOJ GANG1 site
(10.5 HA)
4.9 Km
1.8 Km
1.95 Km
Sinha
Road towards
Majhaul
Road towards
Bakhora Pur
HAUL ROAD MAP
OF THE PROJECT SITE
Legend
Project Site
Haul Road
Metalled Road
Project: BHOJ GANG1,2,3
Sand Mining Project at Ganga River
Area: 52 HA
Source: Google Earth Image
Graphical Scale:
0 0.5 1 2
Km


84°26'0"E
84°28'0"E
84°30'0"E
25°42'0"N
25°40'0"N
GANGA RIVER
BHOJ GANG 5 site
(19 HA)
BHOJ GANG 4 site
(24 HA)
Road towards
Bhuwal Chhapra
2.6 Km
Goreriya
1.35 Km
Khagraha
Road towards
Salempur
HAUL ROAD MAP
OF THE PROJECT SITE
Legend
Project Site
Haul Road
Metalled Road
SEIAA,
Bihar
Project: BHOJ GANG 4, 5
Sand Mining Project at Ganga River
Area: 43 HA
Source: Google Earth Image
Graphical Scale:
0 0.45 0.9 1.8
Km

Annexure -XV

(Letter to FMISC (Flood Management Improvement Support Center), a R&D unit under WRD (Water Resource Department) at Anishabad regarding requirement of high-resolution satellite maps of river systems of Bihar)



जिला खनन कार्यालय, भोजपुर(आरा)

मोबाईल नं0–7549125357 E-mail ID-bhojpurmining@gmail.com

पत्रांक– 2124 /खनन, आरा, दिनांक– 22/04/2022

To,

The Member Secretary,
State Environment Impact Assessment Authority,
Patna, Bihar

Sub: **Regarding Procurement of geo-referenced maps of the river to support DSR.**

Ref. No.: **SEAC letter no.-132, dt:07-04-2022**

Dear Sir,

With reference to the above mentioned subject and letter, we would like to inform you that, SEAC during its meeting held on dated 25-03-2022 has directed the District Authorities to contact the office of FMISC for procurement of geo-referenced maps of the river to support the DSR.

In this connection, we have contacted the FMISC for procurement of the aforesaid map, but FMISC has not provided the required maps so far.

Further we would like to bring to your notice that we have provided ESRI BASE MAP (Pre- Monsoon) having resolution 5 M & FCC-USGS LANDSET 8 (Post-Monsoon) having resolution 30 M in the DSR.
These Maps have high resolution and may be used in place of FMISC Maps.

We request you to kindly consider the same and do the needful.

Thanking you

Yours faithfully, 22/04/2022

Mineral Development Officer,
Bhojpur, Ara

SEIAA, Bihar

Plate-1

(Plate showing sandbars in pre-monsoon & post monsoon)

SEIAA, Bihar

SEIAA, Bihar

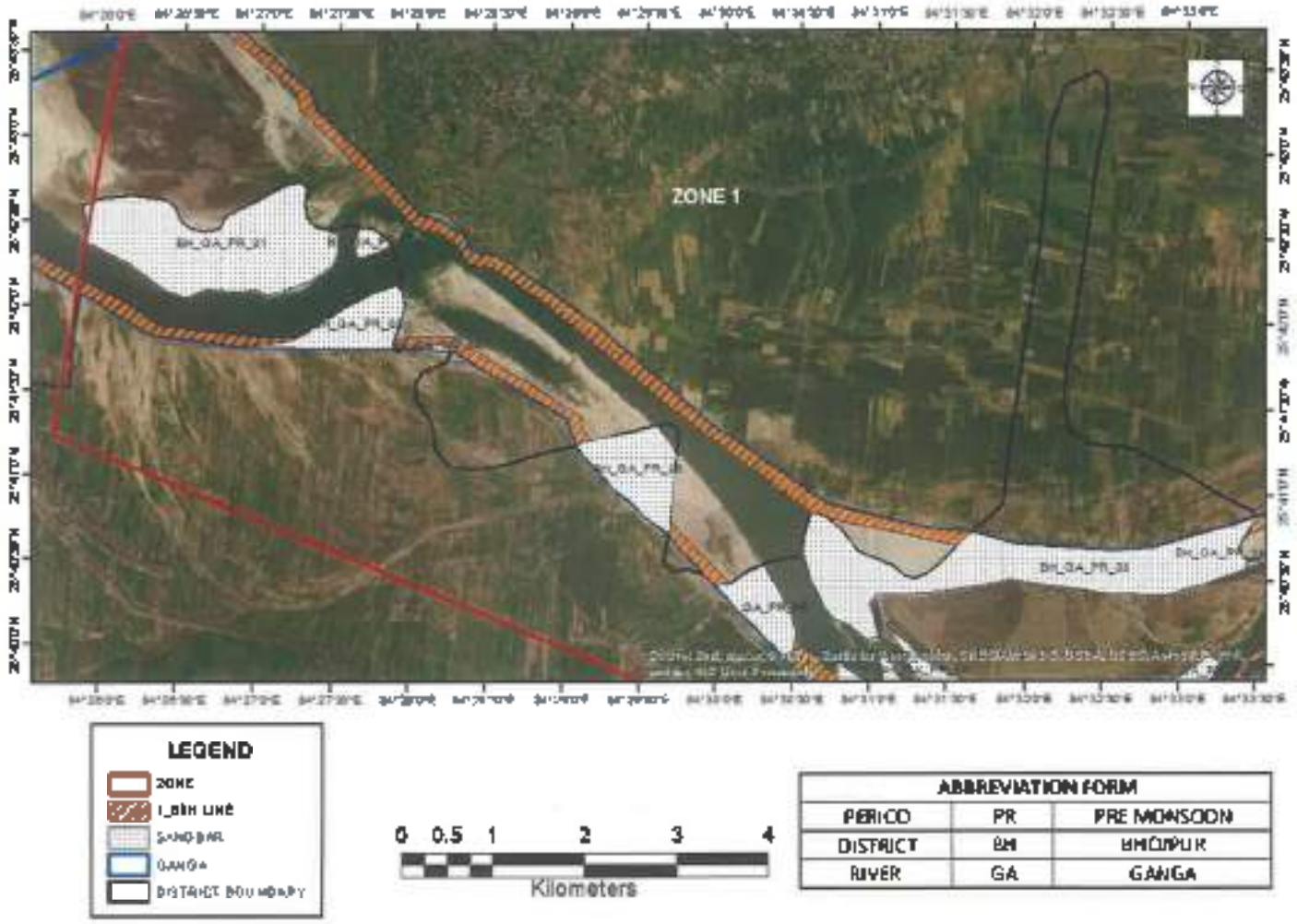
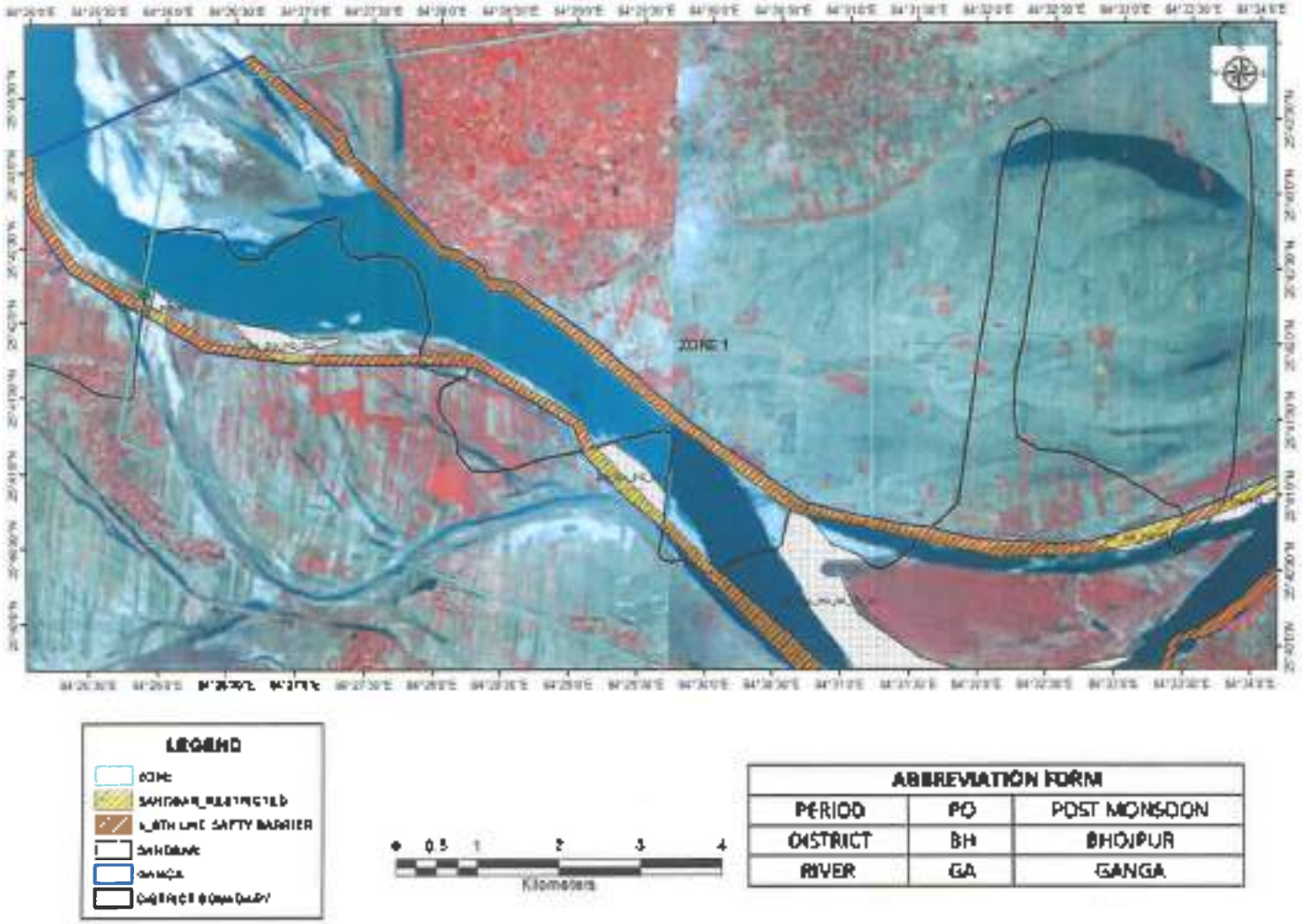


Figure No. 1A: Figure showing sandbars in pre-monsoon of Ganga River (ZONE 1)



राज्य पर्यावरण समाघात निर्धारण प्राधिकार, बिहार
SEIAA, Bihar

Figure No. 1A': Figure showing potential Zone in post-monsoon for Ganga River (Zone 1)

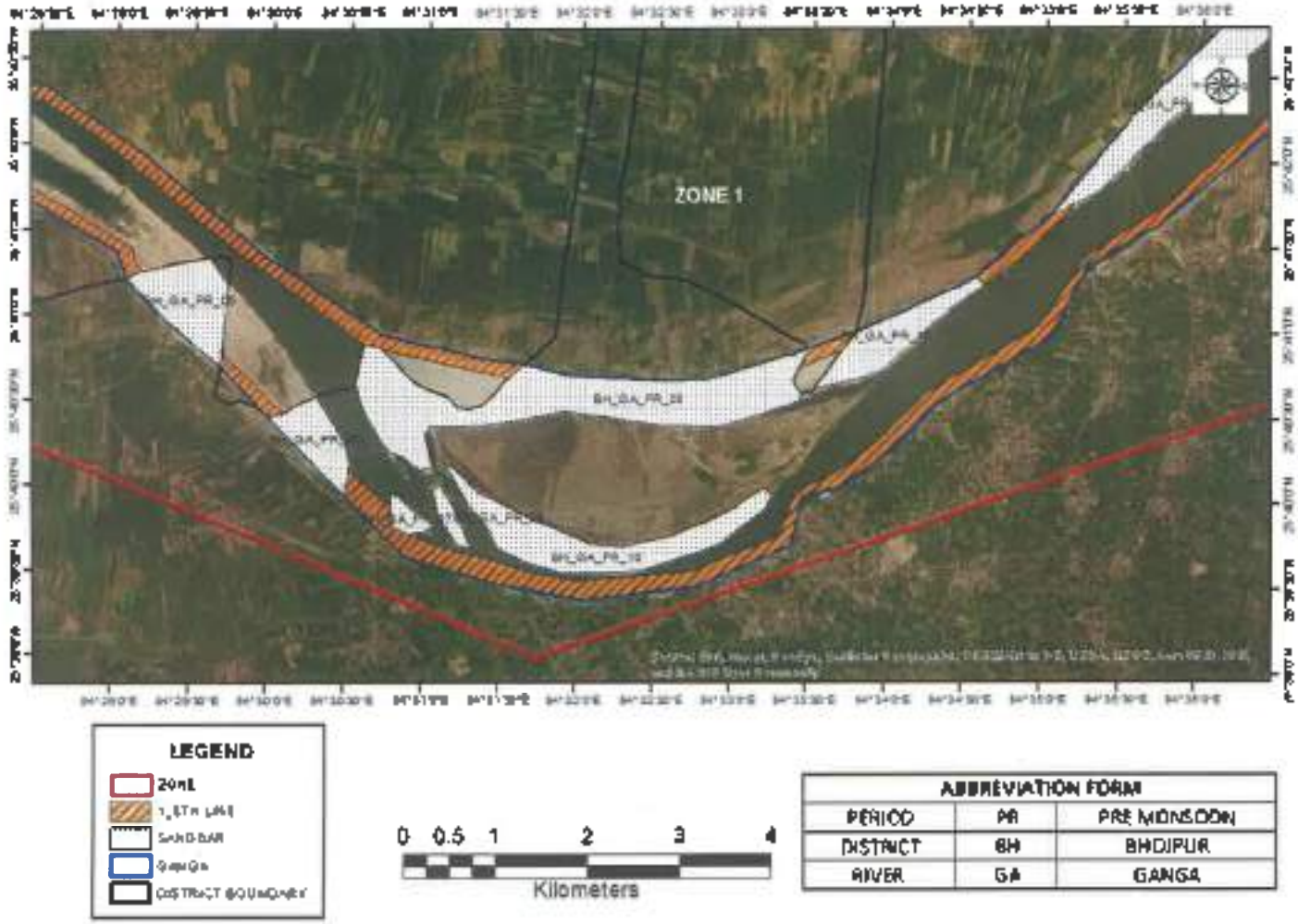


Figure No. 1B: Figure showing sandbars in pre-monsoon of Ganga River (ZONE 1)

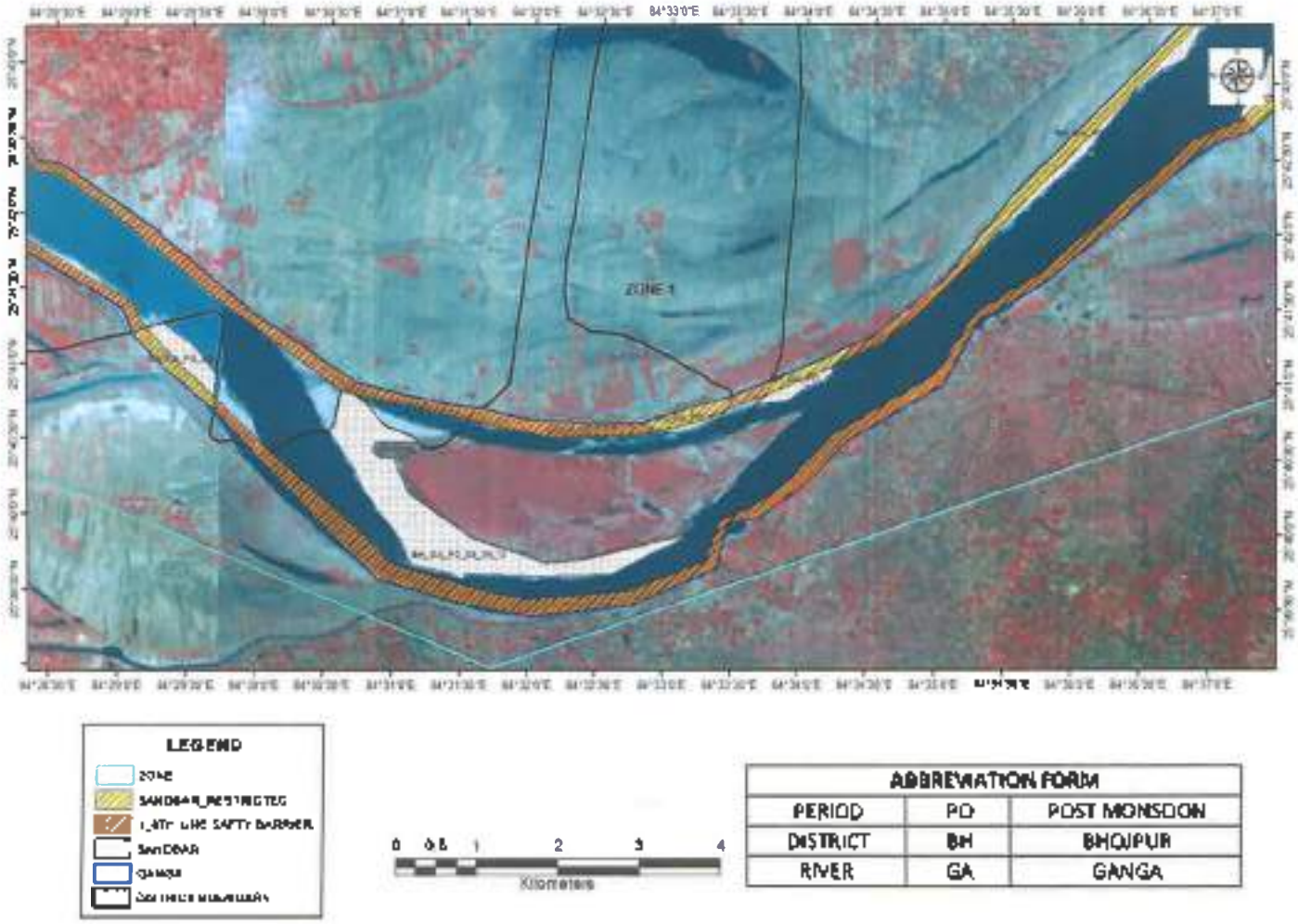


Figure No. 1B': Figure showing potential Zone in post-monsoon for Ganga River (Zone 1)

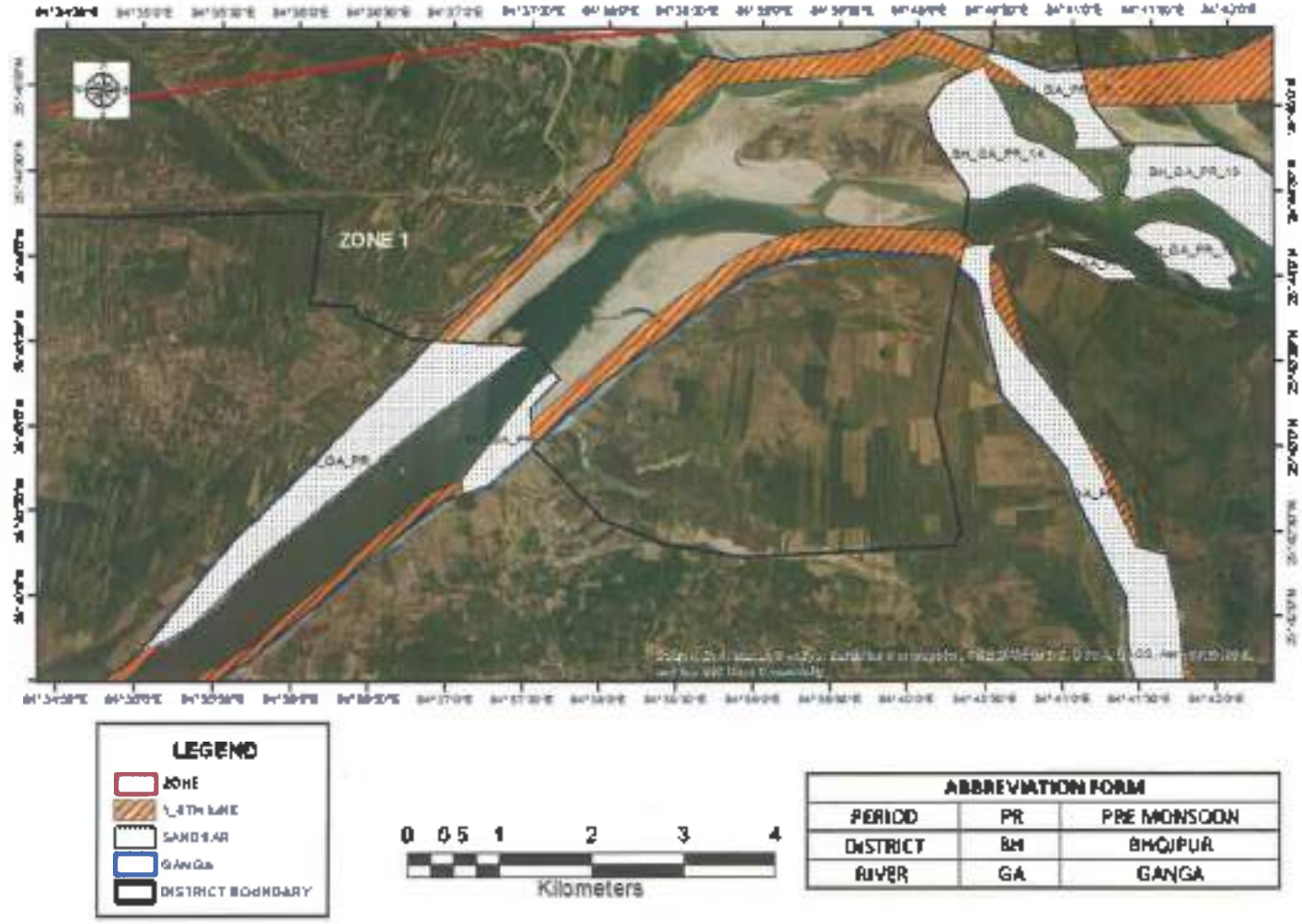
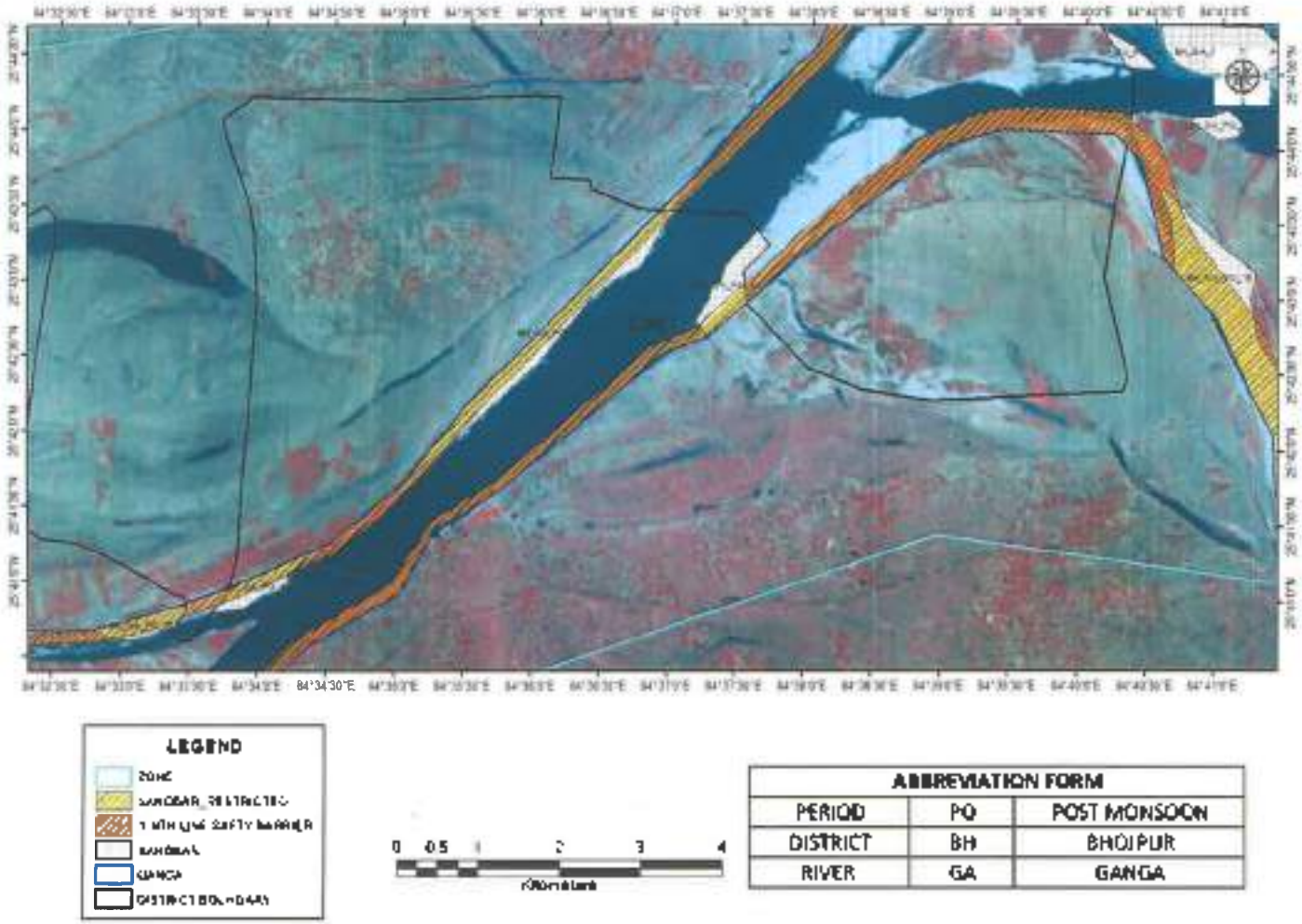


Figure No. 1C: Figure showing sandbars in pre-monsoon of Ganga River (ZONE 1)



ABBREVIATION FORM		
PERIOD	PO	POST MONSOON
DISTRICT	BH	BHOJPUR
RIVER	GA	GANGA

Figure No. 1C': Figure showing potential Zone in post-monsoon for Ganga River (Zone 1)

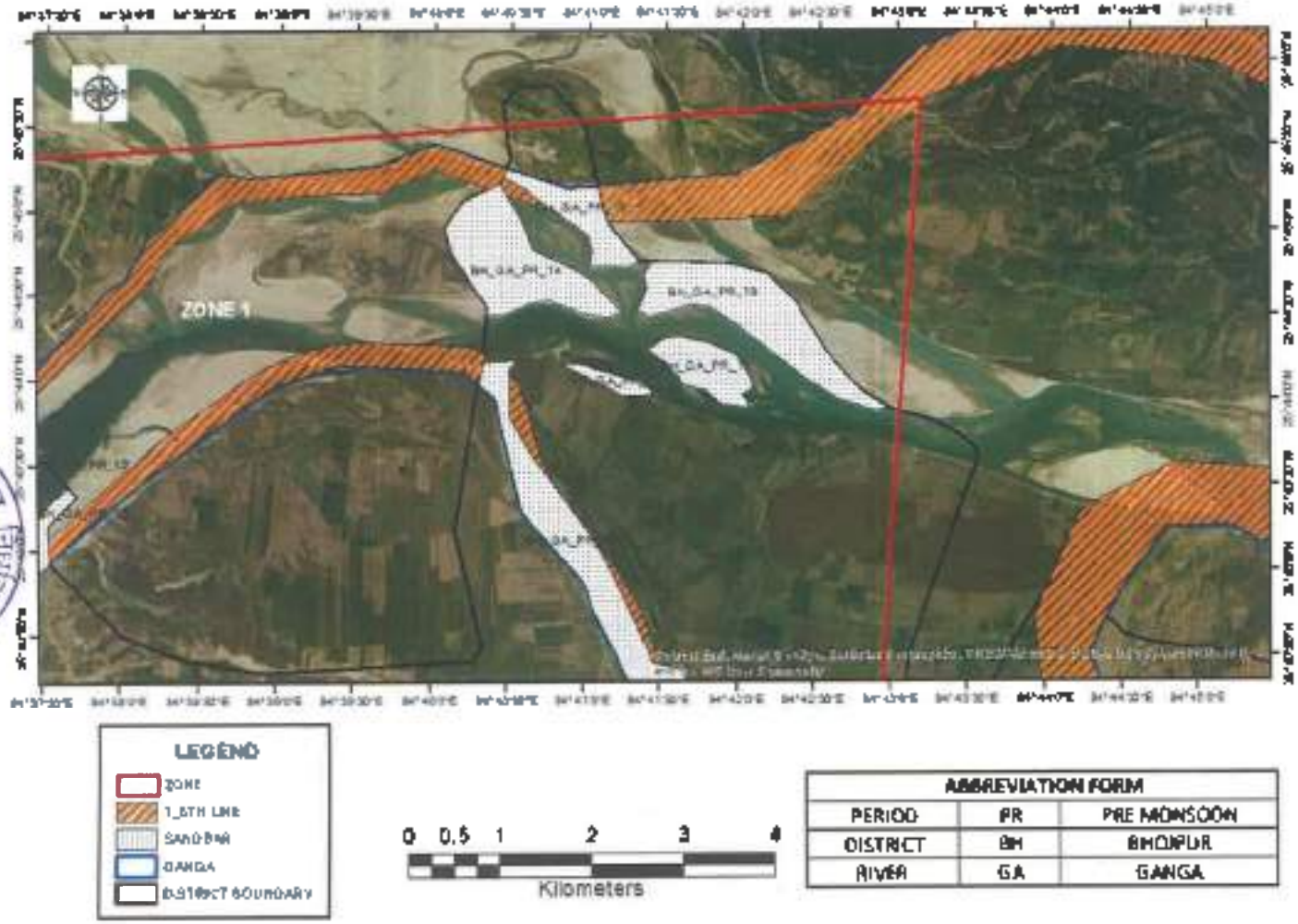


Figure No. 1D: Figure showing sandbars in pre-monsoon of Ganga River (ZONE 1)

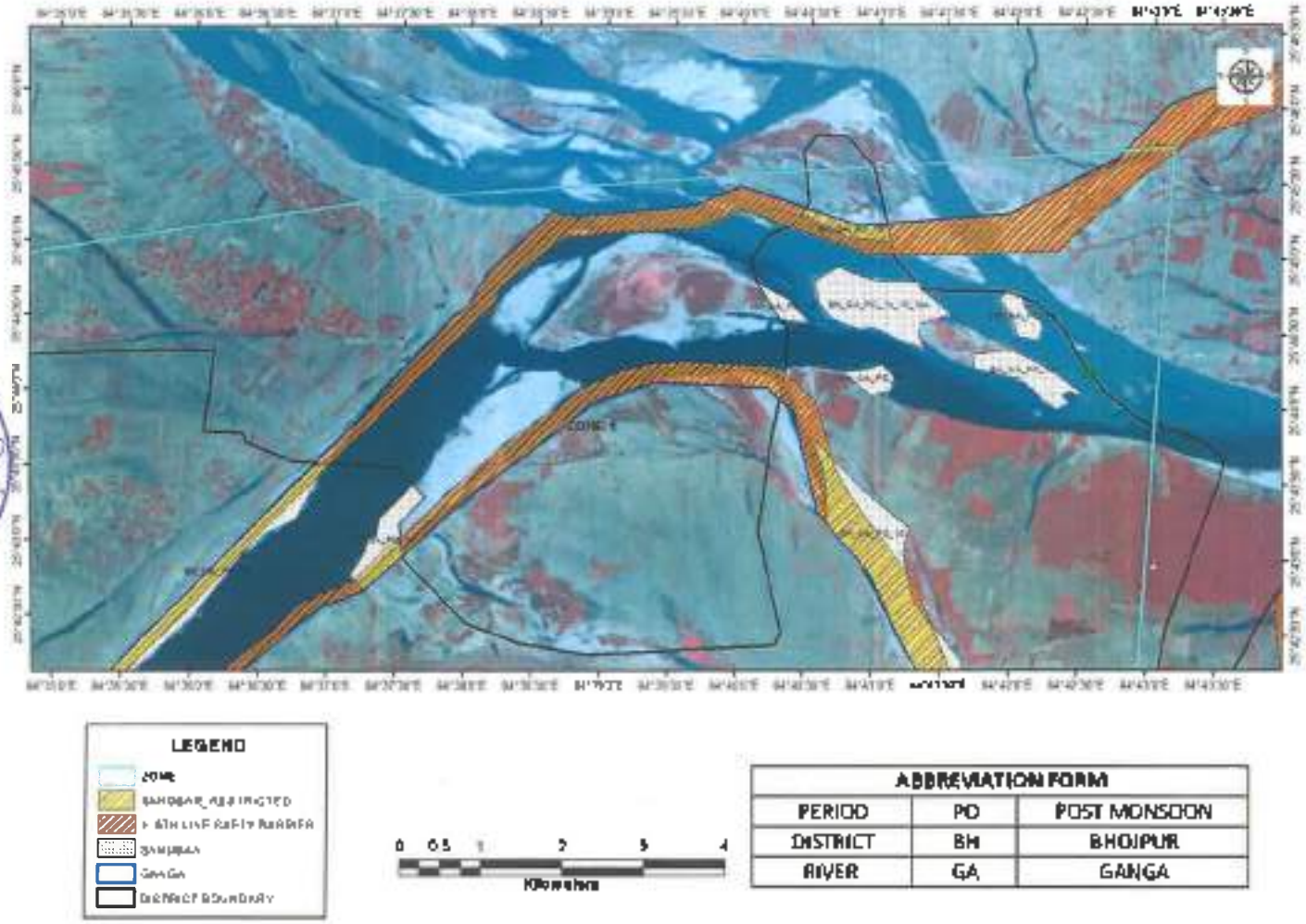


Figure No. 1D': Figure showing potential Zone in post-monsoon for Ganga River (Zone 1)

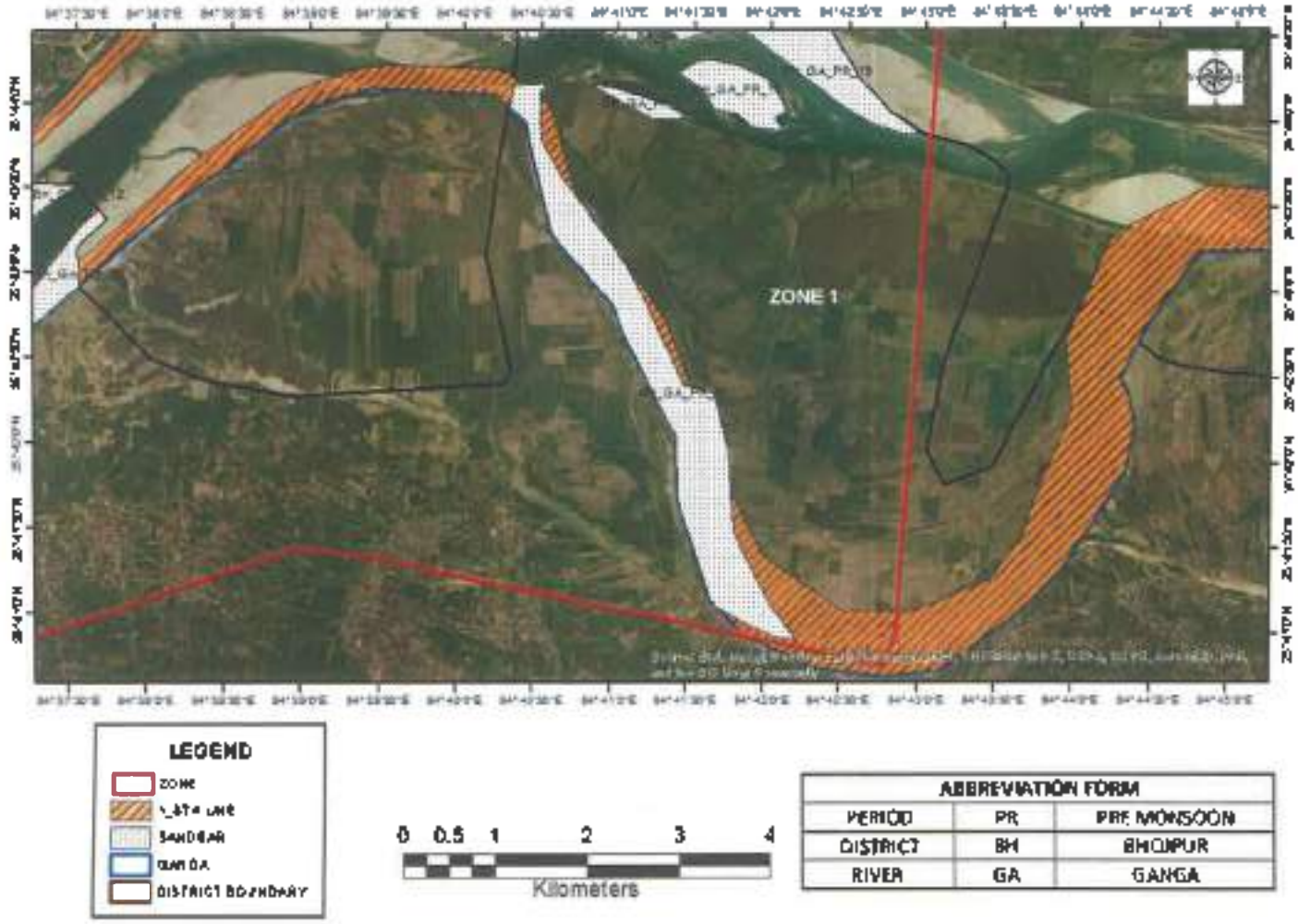


Figure No. 1E: Figure showing sandbars in pre-monsoon of Ganga River (ZONE 1)

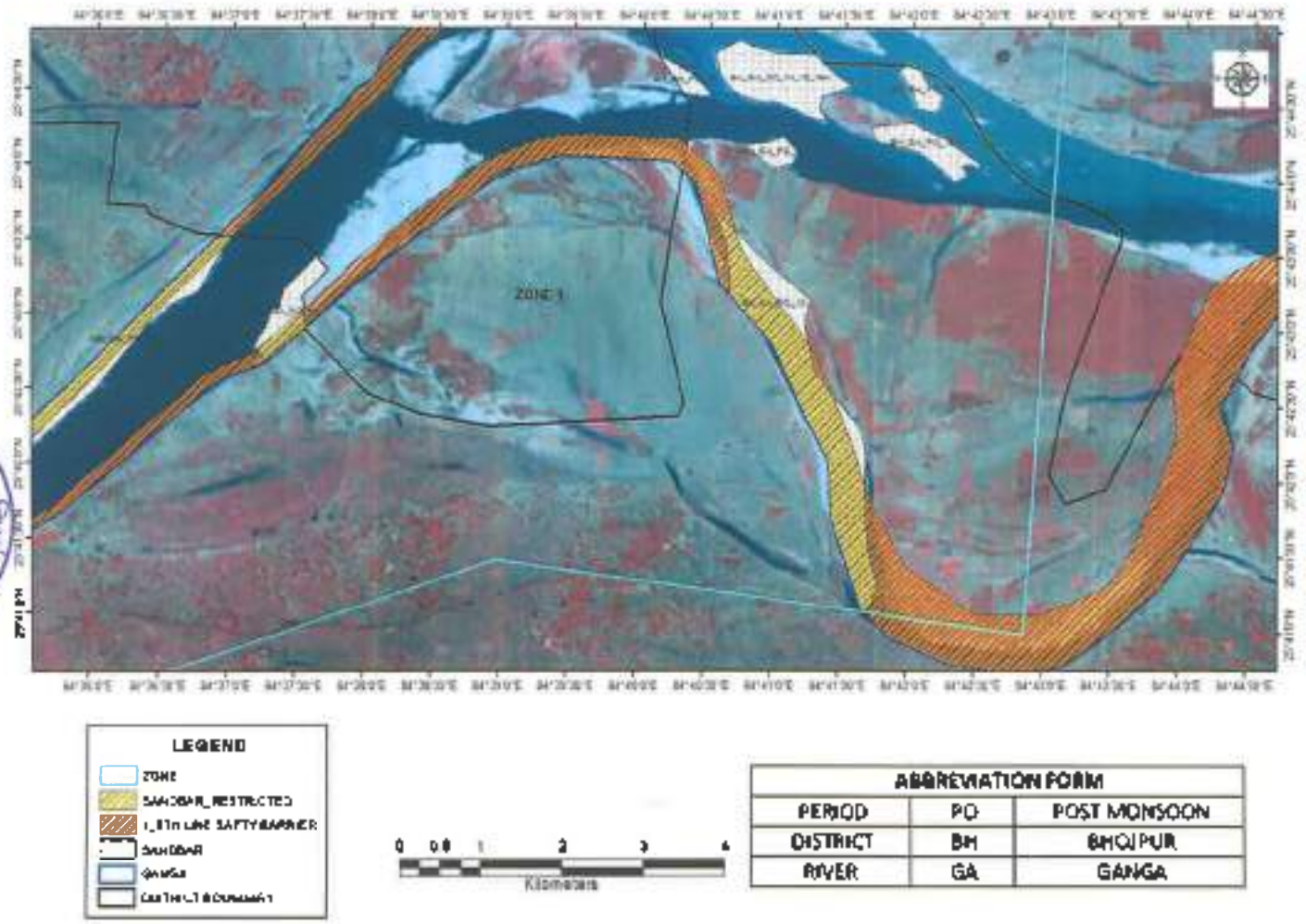


Figure No. 1E': Figure showing potential Zone in post-monsoon for Ganga River (Zone 1)

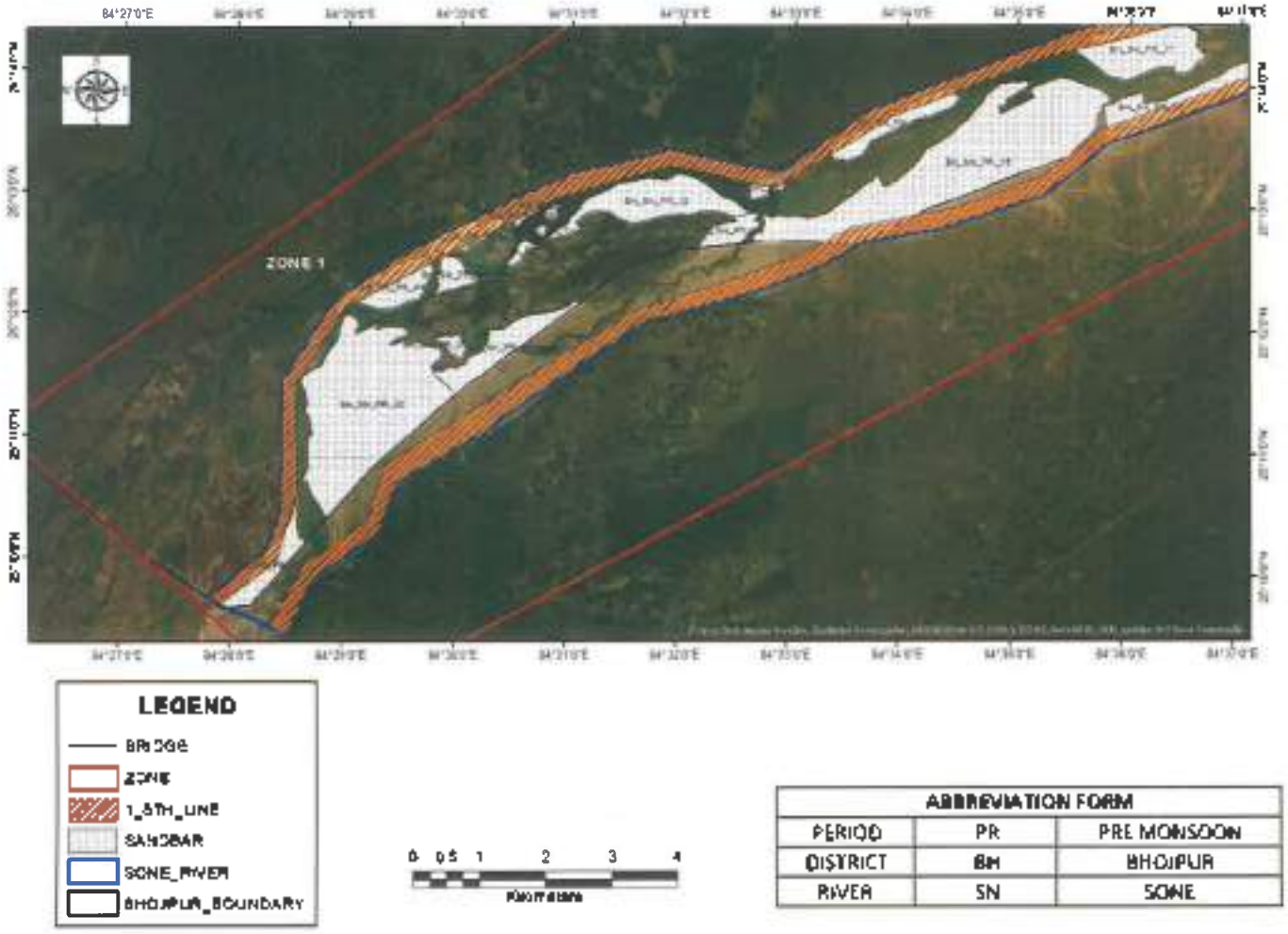
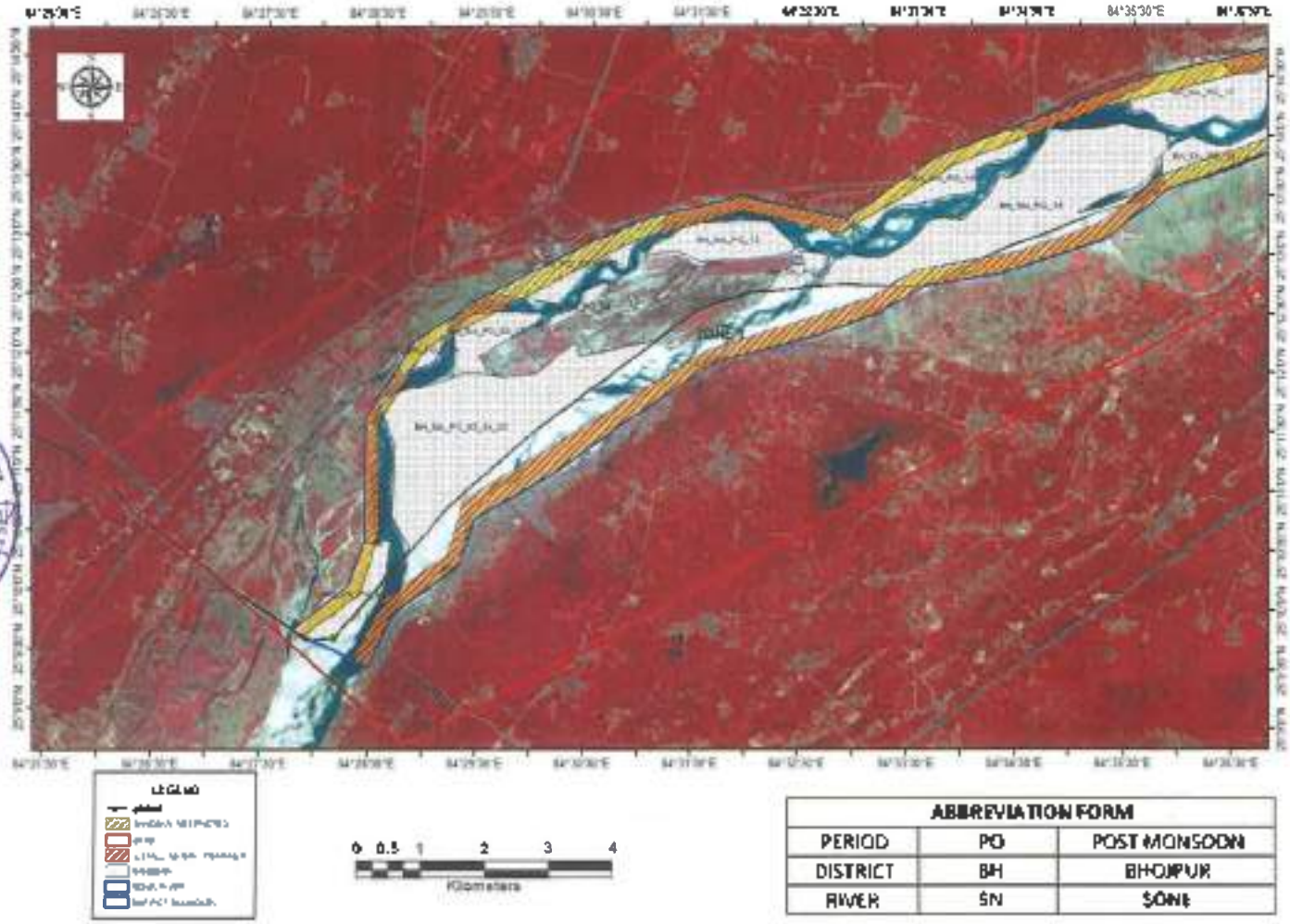


Figure No. 1F: Figure showing sandbars in pre-monsoon Sone River (Zone 1)



SEIAA
Bihar

Figure No. 1F': Figure showing sandbars in post-monsoon Sone River (Zone 1)

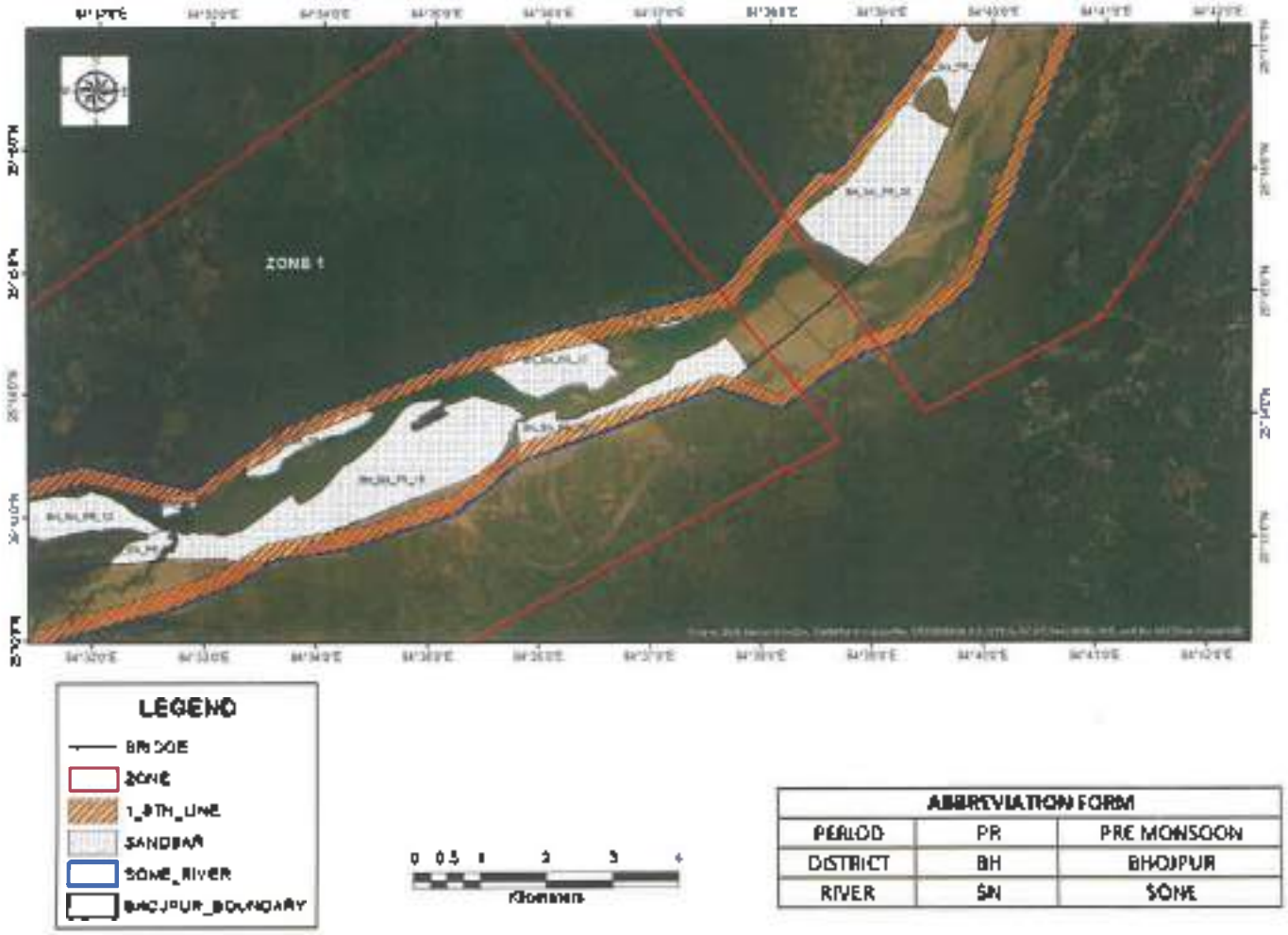


Figure No. 1G: Figure showing sandbars in pre-monsoon Sone River (Zone 1)

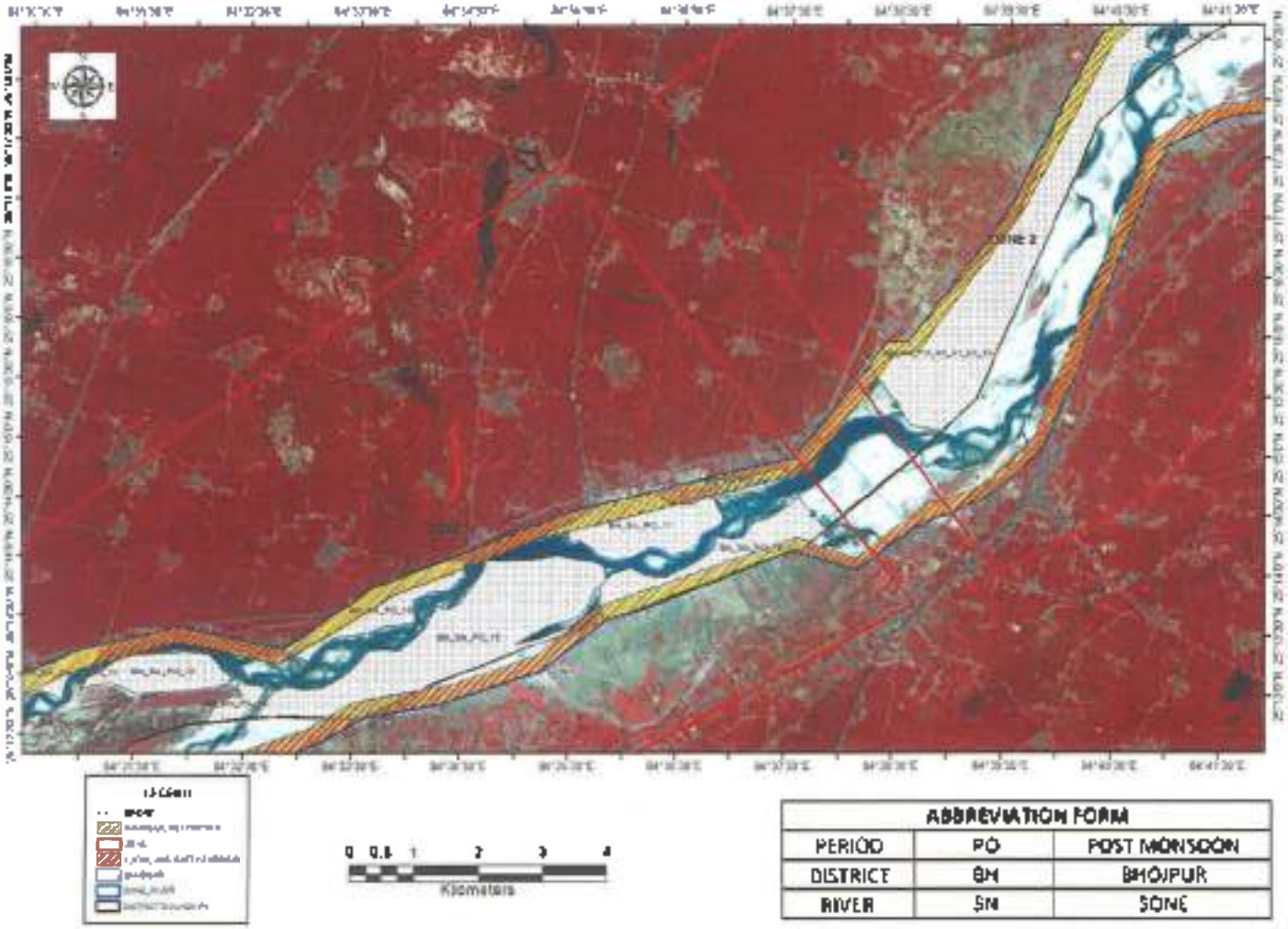


Figure No. 1G': Figure showing sandbars in post-monsoon Sone River (Zone 1)

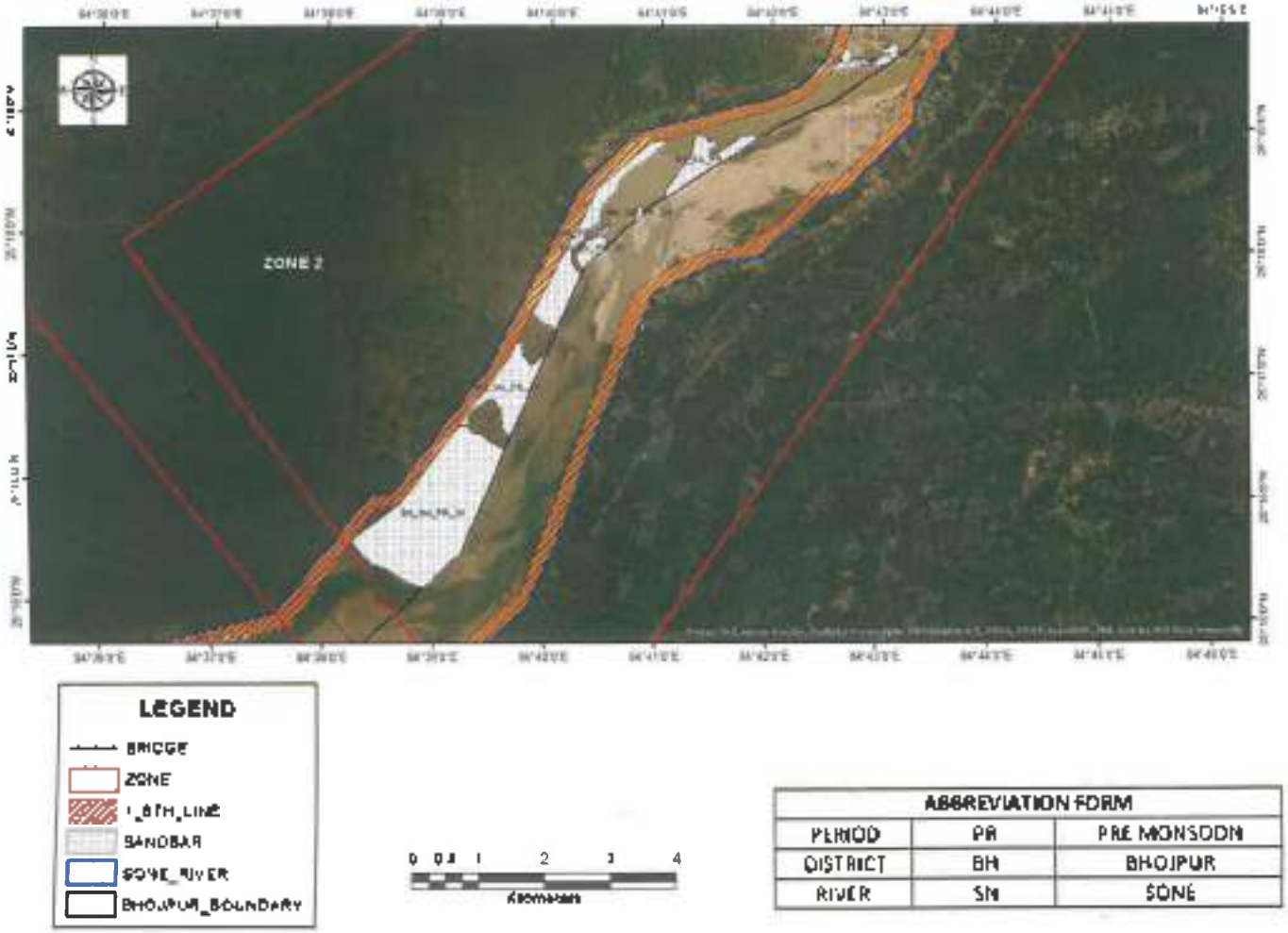


Figure No. III: Figure showing sandbars in pre-monsoon Sone River (Zone 2)

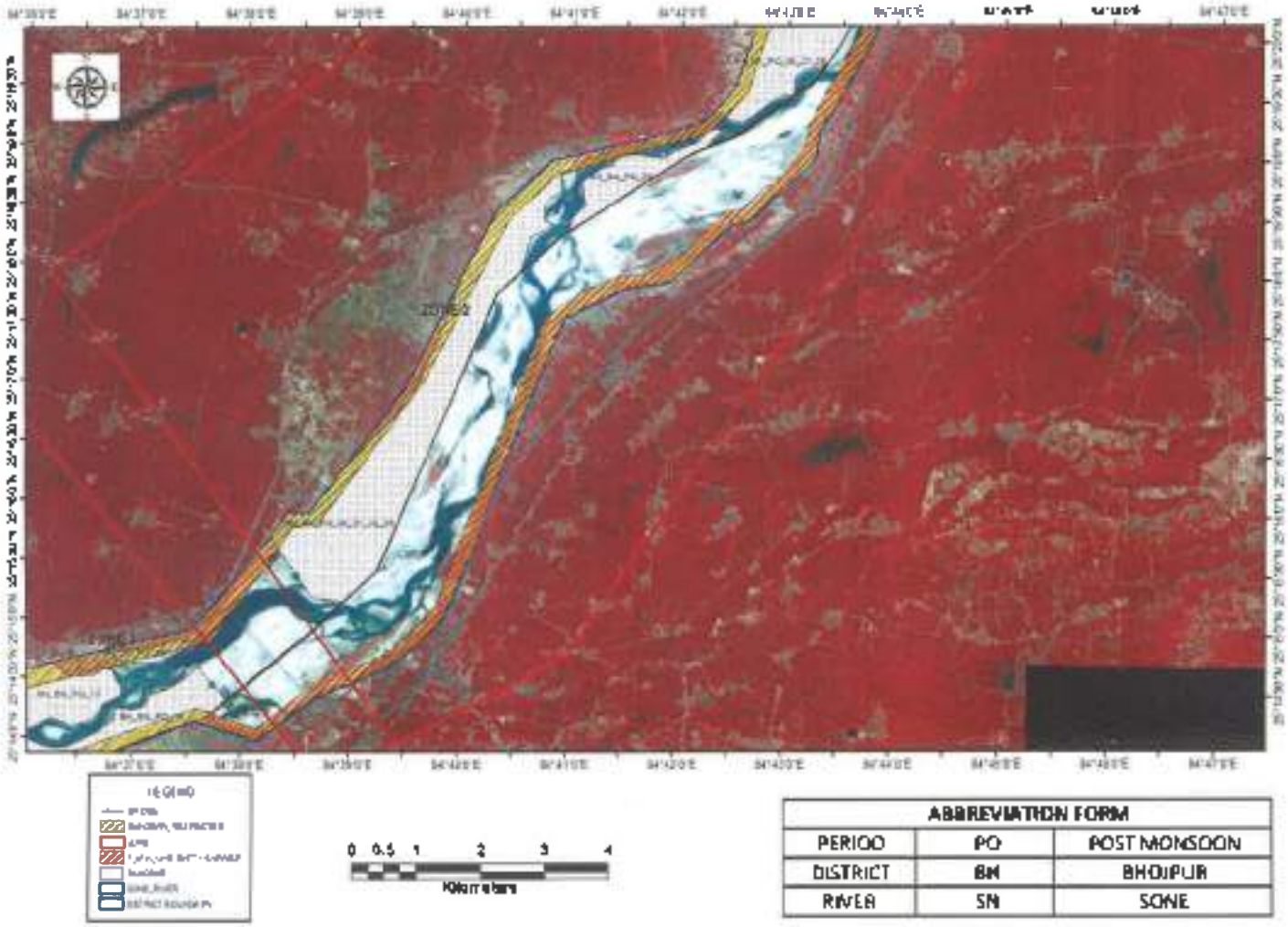


Figure No. 1H': Figure showing sandbars in post-monsoon Sone River (Zone 2)

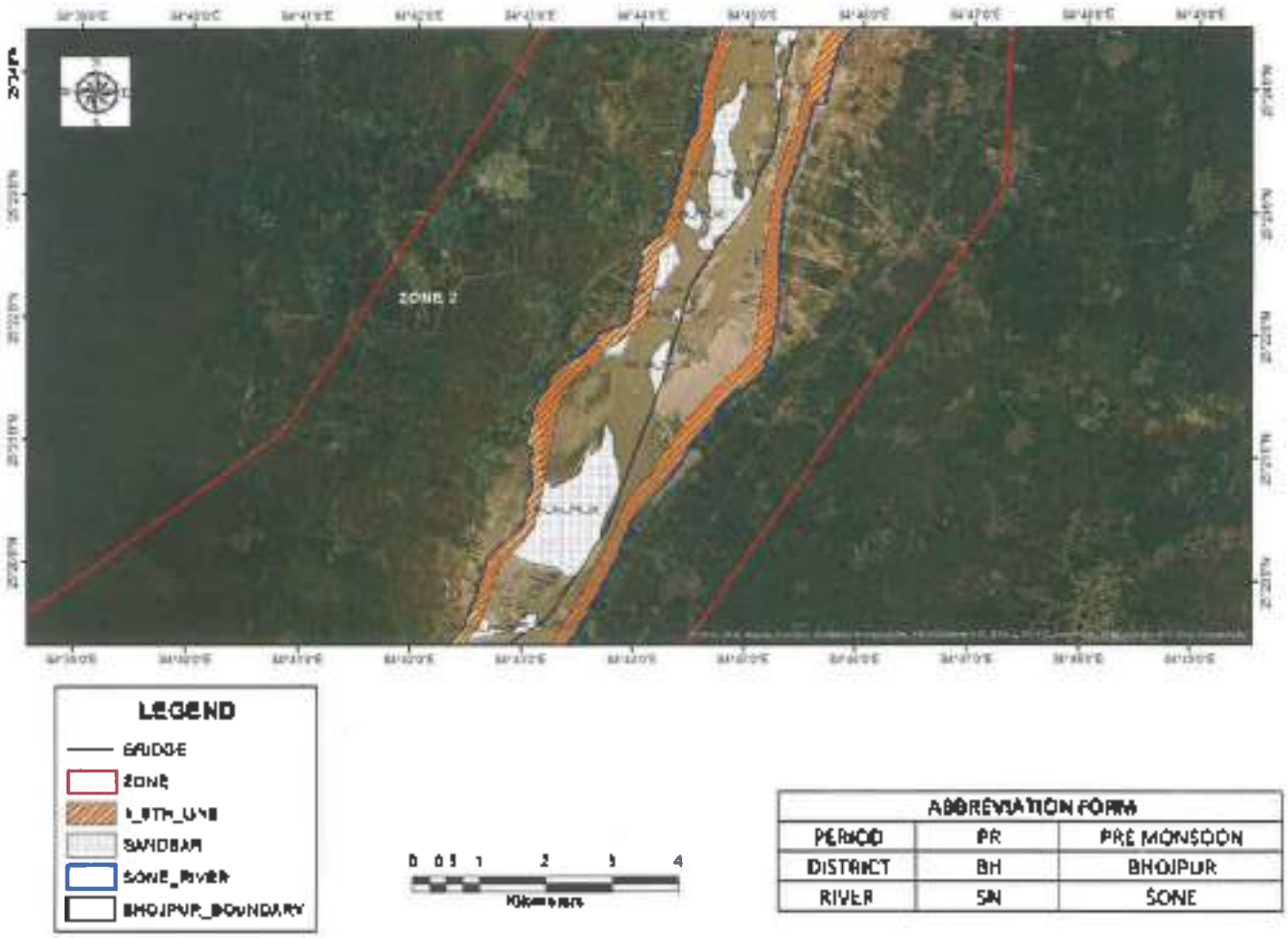


Figure No. 1I: Figure showing sandbars in pre-monsoon Sone River (Zone 2)

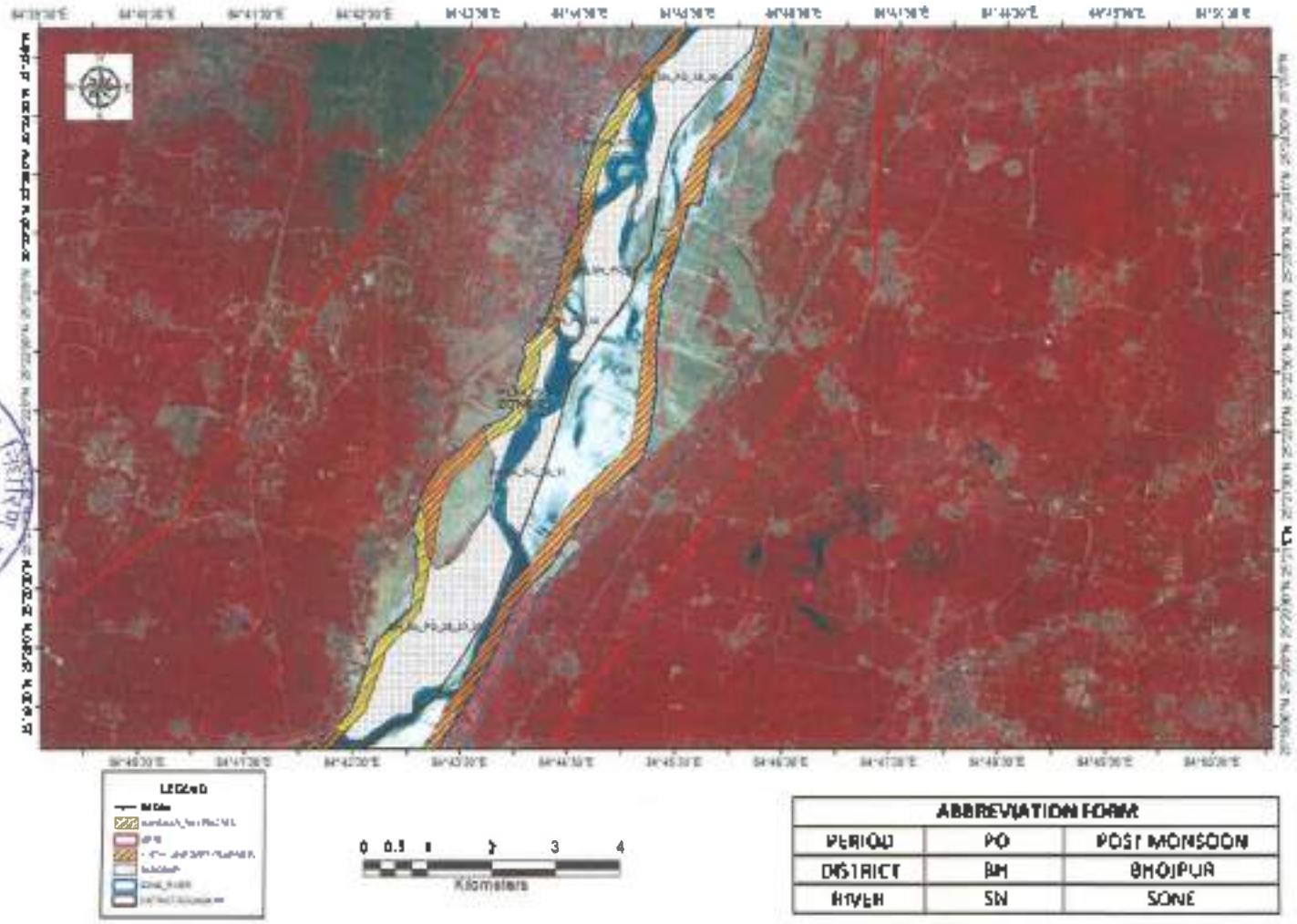


Figure No. 11': Figure showing sandbars in post-monsoon Sone River (Zone 2)

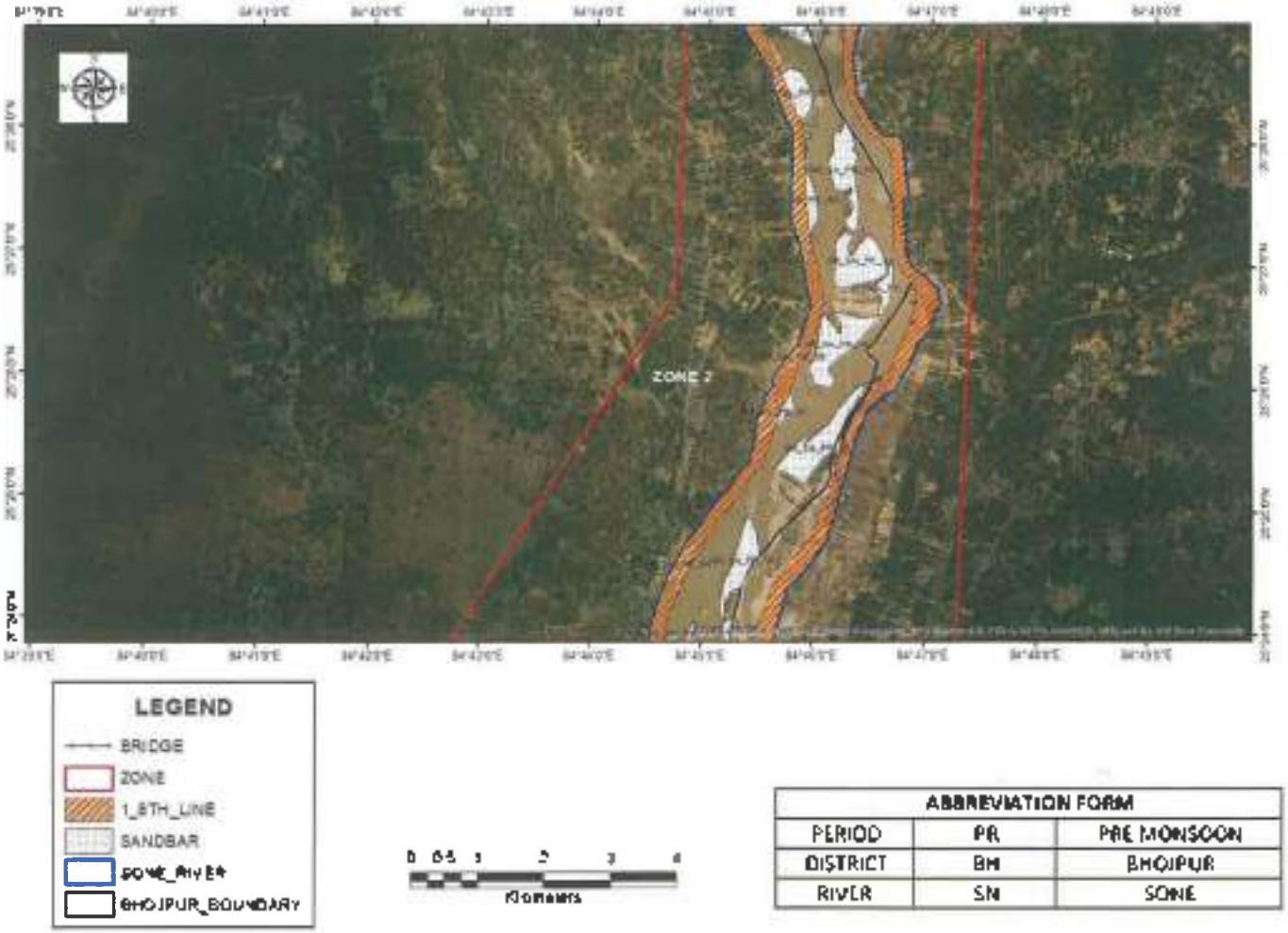


Figure No. 1J: Figure showing sandbars in pre-monsoon Sone River (Zone 2)

SEIAA, Bihar

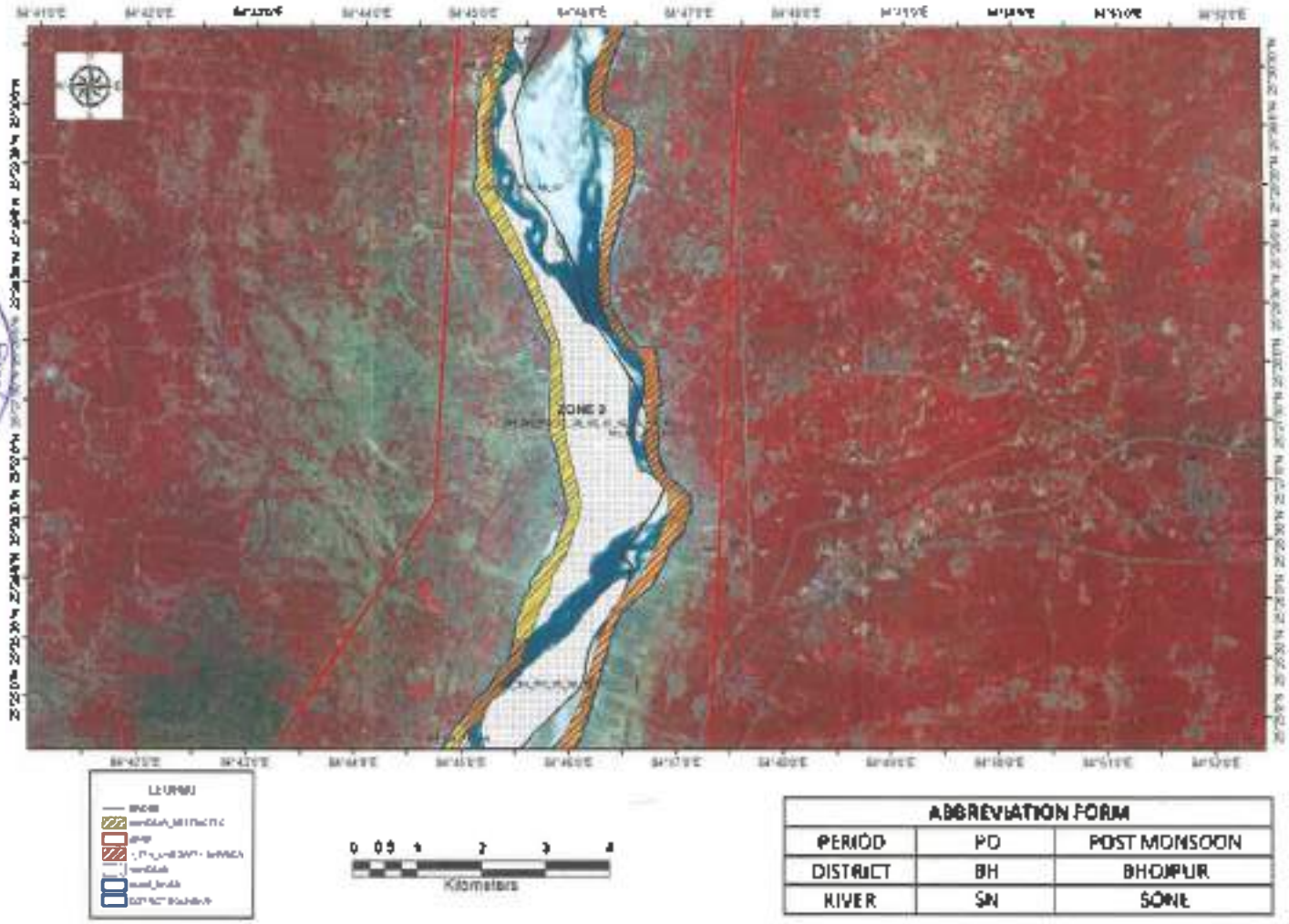


Figure No. 1J': Figure showing sandbars in post-monsoon Sone River (Zone 2)

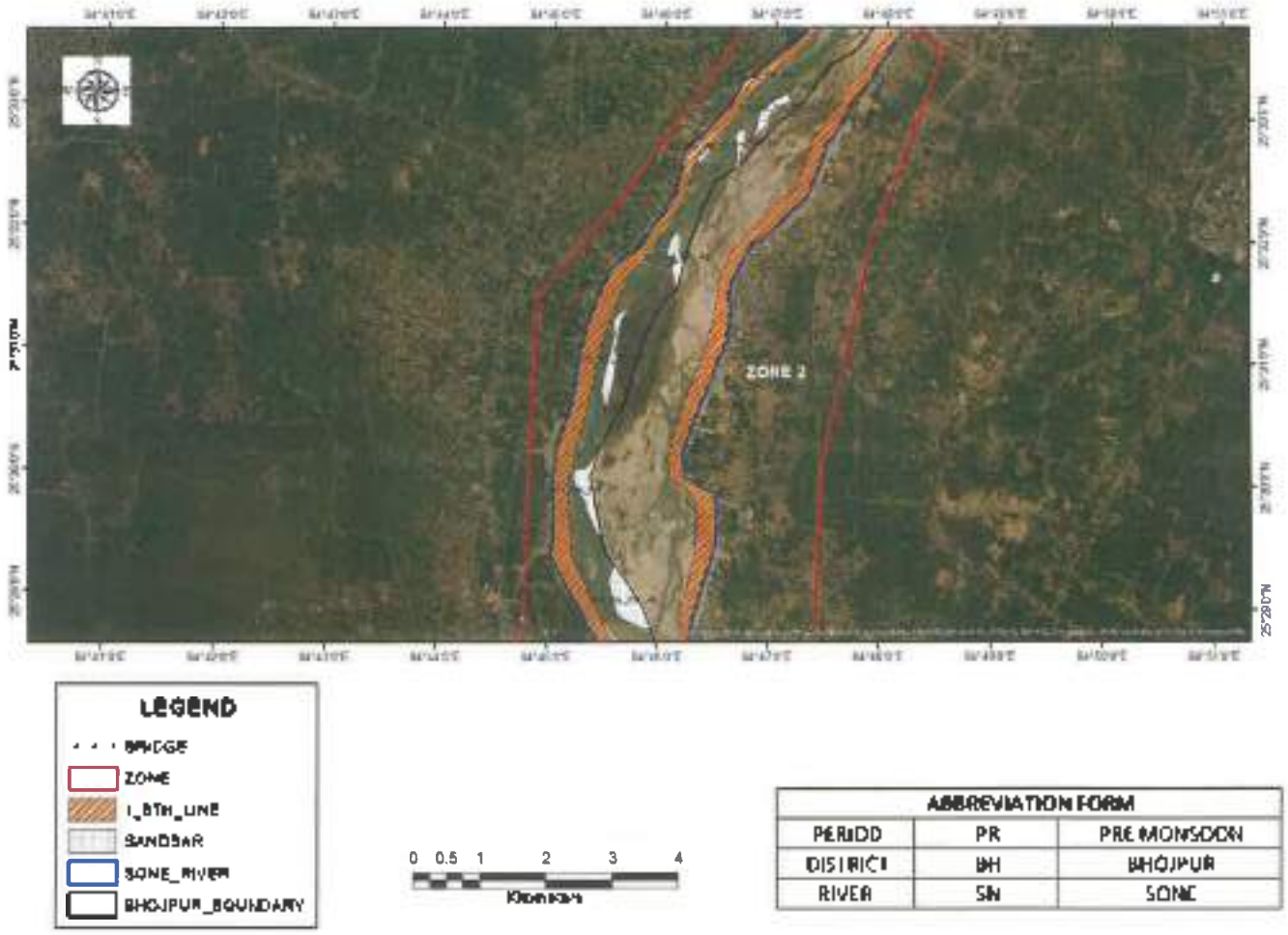
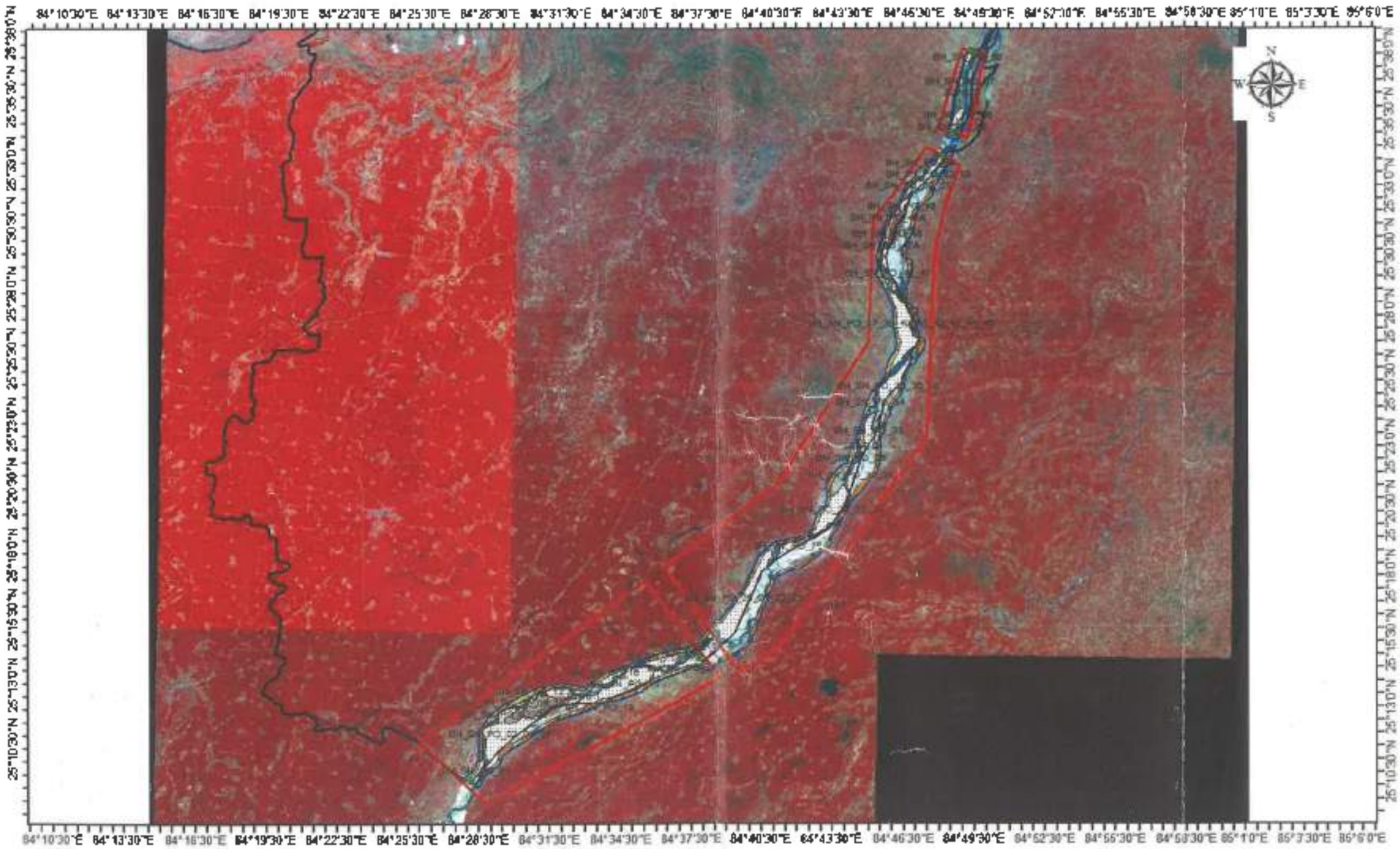


Figure No. 1K: Figure showing sandbars in pre-monsoon Sone River (Zone 2)

Plate 2A

(Composite Map of Son River)

पर्यावरण स्वीकृति निर्धारण प्राधिकार, बिहार
SEIAA, Bihar



LEGEND
- BRIDGE
- ZONE
- LATH_LINE SAFTY BARRIER
- SANDBAR
- SONE_RIVER
- DISTRICT BOUNDARY

0 3.5 7 14 21 28
Kilometers

ABBREVIATION FORM		
PERIOD	PO	POST MONSOON
DISTRICT	BH	BHOJPUR
RIVER	SN	SONE

Plate 2B

(Composite Map of Ganga River)

SEIAA, Bihar



SEIAA Bihar

LEGEND

- ZONE
- SANDBAR_RESTRICTED
- 1_8TH LINE SAFTY BARRIER
- SANDBAR
- GANGA
- DISTRICT BOUNDARY

0 1.25 2.5 5 7.5 10
Kilometers

ABBREVIATION FORM		
PERIOD	PO	POST MONSOON
DISTRICT	BH	BHOJPUR
RIVER	GA	GANGA

Plate 3

(Composite Map of Bhojpur District)

SEIAA, Bihar



District Survey Report (Draft 2022)

SEIAA, Bihar

सेवा में,

मुख्य सचिव,
बिहार सरकार, पटना।

विषय :— विभिन्न न्यायालयों में पारित आदेशों के विरुद्ध घाट नं०–17, मौजा–नोनअर, थाना नं०–357, खाता नं०–285 की रैयती जमीन से की जा रही बालू निकासी को बन्द करने एवं अवैध तरीका से हड़पी गई संपत्ति वापस कराने के संबंध में।

उपरोक्त विषय के संबंध में सादर निवेदन है कि बगैर सहमति लिए बगैर सरकारी रेकार्डों का अवलोकन किये बिगार द्वारा विभिन्न ठेकेदारों के माध्यम से बालू खनन एवं परिवहन किया जा रहा है। इसे तत्काल रोका जाय ताकि विभिन्न न्यायालयों द्वारा रैयतों के पक्ष में पारित न्यायादेशों की गरीमा बनी रहे तथा न्यायालयों के प्रति आम जन की आस्था कायम रहे। नीचे बिन्दुवार रैयतों के पक्ष में न्यायालयों द्वारा पारित आदेशों का ब्योरा तथा छायाप्रति श्रीमान् को अवलोकनार्थ आवेदन के साथ प्रस्तुत किया जा रहा है।

(क) घाट नं०–17, मौजा–नोनअर, इस घाट से बालू निकासी हेतु तीन ठेकेदारों द्वारा तीन रास्ता बनाकर भानक को धाता देते हुए रात–दीन रैयतों की संपति लूटी जा रही है। स्थल निरीक्षण वरीय पदाधिकारी के द्वारा करने पर स्वतः स्पष्ट होगा।

(ख) खाता नं०–285, थाना नं०–357 का कुल रकवा 593 एकड़ 73 डी० है। भूतपूर्व जमींदारों द्वारा जगीन को स्थानीय रैयतों के पक्ष में वन्दोवस्त किया जा चुका है। यह भूमि पूर्णतः रैयती भूमि है। इसके लिए अनुमंडल न्यायाल, आरा मो० नं० 12 सन् 1957, फैसला दिनांक– 19.10.2057 तफा 146 (1) के तहत माननीय द्वितीय मुसिफ आरा मिसलेनियस केश नं०–08/1963 में पूर्ण विवेचनोपरांत पारित न्यायादेश के तहत शांतिपूर्ण कब्जा रैयतों को प्रदान किया जा चुका है। (छायाप्रति संलग्न)

(ग) माननीय न्यायालय जिला जज गोजपुर, आरा द्वारा मिसलेनियस केस नं०–257/1963 में निचले न्यायालयों द्वारा पारित आदेशों की सम्पुष्टि की जा चुकी है। (छायाप्रति संलग्न)

(घ) शांतिपूर्ण दखल कब्जा बनी रहे इसके लिए रैयतों द्वारा क्रिमिनल मो० नं०–18, सन् 1975 न्यायालय, जिला दंडाधिकारी, भोजपुर को दाखिल अर्जी की छायाप्रति

संलग्न है साथ ही जिला पुलिस अधीक्षक, भोजपुर एवं अनुमंडल पदाधिकारी, सदर आरा की अनुशंसा पत्र की छायाप्रति संलग्न है।

(ङ) सर्वे अमलेगान के द्वारा की गयी गलती की निवेचना हेतु रैयतगण के तरफ से दाखिल स्वत्व वाद सं०–110/76 एवं 80 सी०पी०सी० के तहत प्राप्त कराई गई नोटिस की प्राप्ति डाक अधीक्षक, भोजपुर, आरा के प्रमाण पत्र तदोपरान्त अपर समाहर्ता, भोजपुर के द्वारा दाखिल लिखित बयान तहरीरी की छायाप्रति संलग्न है।

(च) कन्हैया कुमार अधिवक्ता सिविल कोर्ट, आरा द्वारा दाखिल वकालतन नोटिस दिनांक–02.02.2022 की छायाप्रति संलग्न है।

(छ) रैयतगण के द्वारा दाखिल समाहर्ता, जिला पदाधिकारी भोजपुर को संबोधित आवेदन दिनांक–05.12.2018 की छायाप्रति 02 नग में संलग्न।

श्रीमान् विदित हो कि कलस्टरों (बालू घाटों) की निलामी लेने के बाद संवेदक अपने अधीनस्थ एक घाट के स्थान पर स्थानीय दबंग लोगों को मिलाकर अनेक घाट निर्मित कर बालू का उठाव एवं परिवहन कर रहे हैं। कलस्टर नं०–17 एवं 18 में तीन अलग–अलग लोग (छः घाट) बनाकर बालू का उठाव एवं परिवहन कर रहे हैं. इस कारण स्थानीय स्तर पर वृहद आवासीय क्षेत्र में प्रदूषण फैल रहा है एवं प्रदूषण के कारण फलदार वृक्ष फल से वंचित हो रहे हैं। मानक से अधिक गहरायी तक बालू खनन से आस–पास के गाँवों का भूजल का स्तर भी गिर रहा है, जो नियम का घोर उल्लंघन है।

श्रीमान् आवेद्रन के साथ संलग्न कागजातों की छायाप्रति अवलोकनोपरांत पाया जायेगा कि निचले स्तर पर बालू खनन हेतु तैयार किया गया जिला सर्वे रिपोर्ट एवं बालू खनन हेतु प्राप्त कराई गई जिला का मंतव्य हड़बड़ी में कार्यालय में बैठकर खानापूर्ति किया गया रिपोर्ट है। बिना स्थानीय स्थल पर स्थानीय लोगों से विचार–विमर्श किये सरकारी रेकार्ड का अवलोकन किये वगैर बनाया गया रिपोर्ट के आधार पर निलामी करना न्यायसंगत नहीं है। यह कदम सरकार एवं सरकार के पदाधिकारियों द्वारा कुछ प्रभावशाली शासकीय राजनीतिक दलों के व्यक्तियों को निजी स्वार्थपूर्ति हेतु एक शासकीय खाका तैयार कर रैयतों की संपत्ति लूटने का रास्ता बनाया गया है। जिस रास्ते से नियम कानून की धज्जियाँ उड़ाते हुए रैयतों की करोड़ों की संपत्ति ठेकेदारों द्वारा लूटी जा रही है।

अतः श्रीमान् से प्रार्थना है कि इस लूट को तत्काल प्रभाव से रोका जाय एवं लूटी गई संपत्ति वापस कराये जाने हेतु आदेश पारित करने की कृपा प्रदान किया जाय, ताकि न्यायालय एवं सरकार के प्रति आम जन की आस्था बनी रहे।

नोट :– दिनांक–28.03.2022 को सदस्य सचिव एवं अन्य को समर्पित आवेदन की प्रति आवेदन के साथ संलग्न साक्ष्यों की पृष्ठ पर संलग्न है।

विश्वासभाजन

06-04-22

(राजकुमार सिंह)

ग्राम–नोनअर, थाना–सहार

अंचल–अगिआँव, जिला–भोजपुर (आरा)

पीन कोड–802201

मो०–7739286448

प्रतिलिपी –

(1) श्री [illegible]
जिला पदाधिकारी–
जिला - भोजपुर (आरा)

(2) श्री शिवशंकर हुसैन खान
संयुक्त सचिव
स्था भू०प्र० विभाग बिहार सरकार

(3) श्री अमर अग्रवाल
महाप्रबन्धक
ईस्ट इनर्जेटिक प्राईवेट लिमिटेड
रजौनवार
202 को 401 मंगल मार्केट
निकट सिटी नं-2 औरंगाबाद
पिन-824001

SEIAA, Bihar

जिला खनन कार्यालय, भोजपुर(आरा)

मोबाईल नं०–7549125387 E-mail ID-bhojpurmining@gmail.com

पत्रांक– 2042 दिनांक– 19/04/2022

प्रेषक,

सक्षम पदाधिकारी,
भोजपुर, आरा।

सेवा में,

अंचलाधिकारी
सदर/आरा
जिला– भोजपुर।

विषय:– मौजा– खलन आहराओ के प्लाट पारित आलेख का जिरात प्लाट नं०–17, थाना–नोनहर, थाना नं०–057 खाता नं० 225 के रकबे जमीन से प्रवेश रुप से बंद या रही गाड़ी निकासी पथ करने एवं अवैध तरीके से खोदी गई खनिज वापस करने के संबंध में।

प्रसंग:– परिवादी का आवेदन दिनांक 06.04.2022 एवं जिलाधिकारी का ज्ञापन सं०–66/05, दिनांक– 09.04.2022

महाशय,

उपरोक्त प्रासंगिक विषय के संबंध में कहना है कि परिवादी श्री राज कुमार सिंह द्वारा प्राप्त आवेदन में यह शिकायत किया गया है कि मौजा–नोनहर प्लाट नं०–17, नोनहर के सर्वेक्षक द्वारा थाना नं०–357, खाता नं०–265 का रकबा जमीन से प्रवेश रुप से गाड़ी का निकासी एवं परिवहन की जा रही है (आवेदन की छायाप्रति संलग्न)। जिस पर शीघ्र संज्ञान लेना अति आवश्यक है। आवेदक के आवेदक व परिवादी के आवेदन में उल्लेखित बिंदुओं की जाँच करते हुए प्रतिवेदन उपलब्ध कराना सुनिश्चित करें। साथ ही दिनांक–21.04.2022 को परिवादी के आवेदन में उल्लेखित बिंदुओं की संयुक्त जाँच/निरीक्षण का कार्यक्रम लिखित रुप से उपलब्ध करायें।

अतः अनुरोध है कि उपरोक्त के आलोक में उल्लेखित बिंदुओं की जाँच कर प्रतिवेदन संबंधित अंचलाधिकारी को उपलब्ध कराना सुनिश्चित करें एवं दिनांक–21.04.2022 को संयुक्त जाँच/निरीक्षण में विषयांकित स्थल पर जाँच हेतु उपस्थित रहें।

अनु०–यथोपरि।

विश्वासभाजन

खनिज विकास पदाधिकारी,
भोजपुर, आरा।

Annexure –XI
(MCA Certificate)

Ministry Of Corporate Affairs

Date : 29-08-2024 12:20:20 pm

Company Information

CIN	U45400BR2010PTC015580
Company Name	SHIVSHANKAR KAUSHIK INFRASTRUCTURE PRIVATE LIMITED
ROC Name	ROC Patna
Registration Number	015580
Date of Incorporation	23/04/2010
Email Id	sskaushik.infra@gmail.com
Registered Address	C/O MANOJ KUMAR SINGH KAUSHIK KSHATRIYA COLONY, RAM NAGAR, ANDAR DHALA, SIWAN, Bihar, India, 841226
Address at which the books of account are to be maintained	-
Listed in Stock Exchange(s) (Y/N)	No
Category of Company	Company limited by shares
Subcategory of the Company	Non-government company
Class of Company	Private
ACTIVE compliance	ACTIVE Compliant
Authorised Capital (Rs)	1,00,00,000
Paid up Capital (Rs)	76,50,000
Date of last AGM	30/09/2023
Date of Balance Sheet	31/03/2023
Company Status	Active

Jurisdiction	
ROC (name and office)	ROC Patna
RD (name and Region)	RD, Eastern Region

Index of Charges

Sr. No	SRN	Charge Id	Charge Holder Name	Date of Creation	Date of Modification	Date of Satisfaction	Amount	Address	Whether charge registered by other entity	Asset Holder Name
1	AA7356233	100925108	Axis Bank Limited	07/03/2024	-	-	41,52,000	Trishul', 3rd Floor, Opp to Samartheshwar Temple,Law Garden, Ellis Bridge,Ahmedabad, Ahmadabad City, Gujarat, India, 380006	No	-
2	AA7270413	100925103	Axis Bank Limited	29/02/2024	-	-	30,00,000	Trishul', 3rd Floor, Opp to Samartheshwar Temple,Law Garden, Ellis Bridge,Ahmedabad, Ahmadabad City, Gujarat, India, 380006	No	-

Sr. No	SRN	Charge Id	Charge Holder Name	Date of Creation	Date of Modification	Date of Satisfaction	Amount	Address	Whether charge registered by other entity	Asset Holder Name
3	AA5895080	100903766	Axis Bank Limited	10/10/2023	-	-	81,90,000	Trishul', 3rd Floor, Opp to Samartheshwar Temple,Law Garden, Ellis Bridge,Ahmedabad, Ahmadabad City, Gujarat, India, 380006	No	-
4	AA5885742	100796611	Axis Bank Limited	10/10/2023	-	-	30,29,000	Trishul', 3rd Floor, Opp to Samartheshwar Temple,Law Garden, Ellis Bridge,Ahmedabad, Ahmadabad City, Gujarat, India, 380006	No	-
5	AA6098346	100807166	INDUSIND BANK LTD.	26/09/2023	-	-	40,00,000	No 34 G.N. Chetty Road,T.Nagar,Chennai, Chennai, Tamil Nadu, India, 600017	No	-
6	AA6098604	100808831	INDUSIND BANK LTD.	23/08/2023	-	-	40,00,000	No 34 G.N. Chetty Road,T.Nagar,Chennai, Chennai, Tamil Nadu, India, 600017	No	-
7	AA1943596	100708577	HDB FINANCIAL SERVICES LIMITED	28/03/2023	-	-	5,10,000	Radhika, 2nd Floor, Law Garden Road, Navrangpura, Navrangpura,Ahmedabad, City Taluka, Gujarat, India, 380009	No	-
8	AA1943039	100707462	HDB FINANCIAL SERVICES LIMITED	28/03/2023	-	-	28,00,000	Radhika, 2nd Floor, Law Garden Road, Navrangpura, Navrangpura,Ahmedabad, City Taluka, Gujarat, India, 380009	No	-
9	AA1942184	100707458	HDB FINANCIAL SERVICES LIMITED	28/03/2023	-	-	30,00,000	Radhika, 2nd Floor, Law Garden Road, Navrangpura, Navrangpura,Ahmedabad, City Taluka, Gujarat, India, 380009	No	-
10	AA1941461	100707454	HDB FINANCIAL SERVICES LIMITED	28/03/2023	-	-	25,00,000	Radhika, 2nd Floor, Law Garden Road, Navrangpura, Navrangpura,Ahmedabad, City Taluka, Gujarat, India, 380009	No	-
11	AA1173441	100733565	Axis Bank Limited	19/11/2022	-	-	58,68,000	Trishul', 3rd Floor, Opp to Samartheshwar Temple,Law Garden, Ellis Bridge,Ahmedabad, Ahmadabad City, Gujarat, India, 380006	No	-
12	F09258674	100588673	HDB FINANCIAL SERVICES LIMITED	31/05/2022	-	-	31,20,735	Radhika, 2nd Floor, Law Garden Road, Navrangpura, Ahmedabad, , India, 380009	No	-
13	T90332008	100549551	HDB FINANCIAL SERVICES LIMITED	28/02/2022	-	-	96,00,000	Radhika, 2nd Floor, Law Garden Road, Navrangpura, Ahmedabad, , India, 380009	No	-
14	T75520015	100543194	Axis Bank Limited	30/12/2021	-	-	1,03,26,000	Trishul', 3rd Floor, Opp to Samartheshwar Temple,Law Garden, Ellis Bridge,Ahmedabad, Gujarat, India, 380006	No	-
15	T61335923	100517093	Axis Bank Limited	29/10/2021	-	-	68,84,000	Trishul', 3rd Floor, Opp to Samartheshwar Temple,Law Garden, Ellis Bridge,Ahmedabad, Gujarat, India, 380006	No	-

Sr. No	SRN	Charge Id	Charge Holder Name	Date of Creation	Date of Modification	Date of Satisfaction	Amount	Address	Whether charge registered by other entity	Asset Holder Name
16	T12949103	100432829	Axis Bank Limited	25/03/2021	-	-	23,98,000	Trishul', 3rd Floor, Opp to Samartheshwar Temple,Law Garden, Ellis Bridge,Ahmedabad, Gujarat, India, 380006	No	-
17	R53338026	100364145	Axis Bank Limited	24/08/2020	-	-	20,00,000	Trishul, 3rd Floor,Opp to Samartheshwar Temple,Law Garden Ellis Bridge,Ahmedabad, Gujarat, India, 380006	No	-
18	R53337051	100364144	Axis Bank Limited	24/08/2020	-	-	18,99,000	Trishul, 3rd Floor,Opp to Samartheshwar Temple,Law Garden Ellis Bridge,Ahmedabad, Gujarat, India, 380006	No	-
19	R35944800	100331335	Canara Bank	02/03/2020	-	-	31,00,000	SOUTH GANDHI MAIDAN, PATNA MAIN BRANCH,PATNA, Bihar, India, 800001	No	-
20	AA2276639	10504165	State Bank of India	11/03/2014	31/03/2023	-	6,76,00,000	SME SIWAN BRANCH,BABUNIA MORE,Siwan, Siwan, Bihar, India, 841226	Yes	Manoj Kumar Singh and Sarita Devi

Director/Signatory Details

Sr. No	DIN/PAN	Name	Designation	Date of Appointment	Cessation Date	Signatory
1	03029518	SARITA DEVI	Managing Director	23/04/2010	-	Yes
2	10753700	SHASHI KAPOOR PRASAD	Director	27/08/2024	-	Yes