

AAA RESOURCES PRIVATE LIMITED

Registered Office : Industry House, 2nd Floor, 159 Churchgate Reclamation, Mumbai – 400020
Corporate Identity Number (CIN): U13209MH2006PTC160774
Email ID: bathiya.mine@birlacorp.com

Reference: AAA/Bathiya/MOEFCC/07
Date: 30 October 2023

To
The Member Secretary
EAC (Non Coal Mining Committee)
Ministry of Environment, Forest & Climate Change
3rd floor, Indira Paryavaran Bhavan,
Jorbag Road, Aligunj, New Delhi 110003

Respected Sir,

Sub: Bathiya Limestone Mine of M/s. AAA Resources Private Limited (Total Excavation: 8.84 MTPA (Limestone: 4.0 MTPA, Waste/reject: 4.43 MTPA Topsoil: 0.41 MTPA, in the Mine Lease Area of 266.302 Ha) situated at Bathiya, Barahiya, Karaundi, Chapna and Tamoria Villages, Tehsil: Maihar, District: Satna, State: Madhya Pradesh Detail - (SW No. : SW/103373/2022) for Environmental Clearance.

Ref: EC Recommendation on 29.09.2023 w.r.t Bathiya Limestone Mine of AAA Resources/ Further ADS Raised on 13.10.2023
(Proposal No. IA/MP/MIN/405276/2022; File No. J-11015/44/2020-IA-II(M))

This is with reference to ADS raised stating that “As per clause 1.4 of Ministry's OM dated 21.07.2022 (copy enclosed) states that Consideration and recommendation of NBWL/SCNBWL is required for the following: The Protected Areas constituting a Tiger Reserve attract all the provisions applicable for National Parks or Sanctuaries. In addition, as per section 38-0 (1) (g) of the Act, approval of NBWL and advice of the National Tiger Conservation Authority (NTCA) are required for activities within tiger reserves and in areas linking one Protected Area or tiger reserve with another Protected Area or tiger reserve for ecologically unsustainable uses, except in public interest. In view of the above, project proponent is requested to clarify/comments w.r.t clause 1.4.”

In reference to the above, we would like to inform you that clause No. 1.4 of Ministry's OM dated 21.07.2022 is not applicable to the project due to the reasons detailed below.

- There is no protected area/tiger Reserve/sanctuary/biosphere/wildlife corridor/elephant reserve/eco-sensitive zone within the study area (10 km.) from the mining lease (ML) boundary. Kindly refer to the letter issued by CWLW & PCCF (Wildlife) vide letter no. क्रमांक/ व. प्रा./ मा. चि./ माइन-85/3211 dated 08.04.2021 in this regard attached as **Annexure-1**.
- We are also enclosing herewith the location of the Bathiya mining lease in “Integrated Landscape Management Map” for greater Panna landscapes prepared by Wildlife Institute of India (WWI) in June'2022. The map illustrates that the closest distance from Bathiya mining lease boundary to the tiger corridor is 21.5 km. This distance is well beyond the 10 km study area refer to **Annexure-2**. The same map had also been submitted in reply to ADS point no. 2, and was discussed in detail in the 20th meeting of the committee of the reconstitution of expert appraisal committee for environmental appraisal of non-coal mining projects (EAC) dated 22.09.2023 (Sr. no. 2). Minutes of the above meeting is attached in **Annexure-3**.

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- We would like to draw your kind attention to the fact that the Bathiya limestone mine is located in a mining cluster having 21 mining leases & stone quarries. Locations of nearby stone quarries & mining leases are shown in **Annexure-4**. This matter was also discussed in the EAC meeting referred above.

We hope that the above information satisfies your query. We request you to grant EC for the Bathiya ML.

Thanking you,

Yours faithfully,
AAA Resources Private Limited



Prahlad Kumar Choudhary
Authorized Signatory

कार्यालय प्रधान मुख्य वन संरक्षक (वन्यप्राणी), मध्य प्रदेश

प्रगति भवन, भोपाल विकास प्राधिकरण, तृतीय तल, एम.पी.नगर, भोपाल

दूरभाष : 0755-2674318, 2674337, फ़ैक्स : 0755-2766315

E-mail : pccfwl@mp.gov.in

क्रमांक/व.प्रा./मा.चि./माइन-85/ 3211

भोपाल, दिनांक 8.4.2021

प्रति,

✓ प्रबंधक,
मेसर्स एएए रिसोर्स प्रायवेट लिमिटेड
तीसरी मंजिल, रिलायन्स इनर्जी सेंटर,
सान्ताक्रूज (पूर्व) मुंबई-400055

विषय :- Authentication of Map showing National Parks, Sanctuaries, Biosphere reserve, Wildlife Corridors, Ramsar site/Elephant reserves (existing as well as proposed) within 10 km from mining lease of 266.302 Ha. at Karondi, Chapn, Bathiya, Tamoriya and Barhiya villages, Teshil Maihar, District Satna, Madhya Pradesh.


संदर्भ :- आपका पत्र क्रमांक/ RCCPL/bathiya ML/ forest dated 10.11.2020

उपरोक्त विषयांतर्गत संदर्भित पत्र से आपके द्वारा प्रकरण में मेसर्स एएए रिसोर्स प्रायवेट लिमिटेड मुंबई द्वारा ग्राम करौंदी, चपना, बठिया, तोमरिया एवं बठिया तहसील-मैहर, जिला सतना, मध्यप्रदेश में बथिया लाइमस्टोन चूना पत्थर खदान रकबा 266.302 हेक्टेयर में 4.0 एम.टी.पी.ए. खनन हेतु भारत सरकार के निर्देशानुसार प्रस्तावित खदान से 10 कि.मी. की परिधि में स्थित संरक्षित क्षेत्र/बायोस्फियर/वन्यप्राणी कॉरीडोर/रामसर साइट/हाथी रिजर्व से दूरी दर्शाता मुख्य वन्यप्राणी अभिरक्षक, मध्यप्रदेश द्वारा अभिप्रमाणित मानचित्र चाहा गया है।

उपरोक्त संबंध में वनमण्डलाधिकारी, सामान्य वनमण्डल सतना द्वारा वन परिक्षेत्र अधिकारी मैहर एवं उप वनमण्डलाधिकारी मैहर से जांच कराकर पत्र क्रमांक/मा.चि./2482 दिनांक 04.03.2021 से प्रतिवेदन एवं दूरी दर्शाता अभिप्रमाणित मानचित्र संलग्न कर प्रेषित गया है। उक्त प्रतिवेदन एवं मानचित्र के अनुसार आवेदित स्थल से 10 कि.मी. की परिधि में कोई संरक्षित क्षेत्र/टाइगर रिजर्व/अभयारण्य/बायोस्फियर/वन्यप्राणी कॉरीडोर/रामसर साइट/हाथी रिजर्व/ईको सेंसेटिव जोन स्थित नहीं है तथा मानचित्र में निकटतम वनक्षेत्र की दूरी 8.2 कि.मी. दर्शायी गई है। वनमण्डलाधिकारी, सामान्य वनमण्डल सतना द्वारा प्रेषित प्रतिवेदन से सहमति व्यक्त करते हुए प्रस्तावित स्थल से 10 कि.मी. की परिधि एवं वनक्षेत्र की निकटतम दूरी दर्शाता रंगीन मानचित्र की सत्यापित प्रति संलग्न कर आवश्यक कार्यवाही हेतु प्रेषित है।

संलग्न :- उपरोक्तानुसार।

(संलग्न चित्र 2 अंकित है)



(आलोक कुमार)

मुख्य वन्यप्राणी अभिरक्षक एवं
प्रधान मुख्य वन संरक्षक (वन्यप्राणी), म.प्र.

भोपाल, दिनांक 8.4.2021

पृ0 क्रमांक/व.प्रा./मा.चि./माइन-85/ 3212

प्रतिलिपि :-

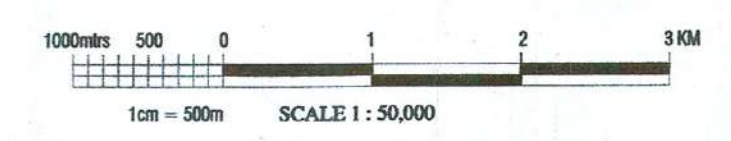
1. वैज्ञानिक एफ/संचालक, भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, इम्पेक्ट असिस्मेंट डिविजन, इंदिरा पर्यावरण भवन, अग्नि विंग, प्रथम तल, जोर बाग रोड, अलीगंज, नई दिल्ली-110003 की ओर उनके पत्र दिनांक 19.11.2019 क्रम में सूचनार्थ प्रेषित।
2. मुख्य वन संरक्षक, वन वृत्त रीवा की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।
3. वनमण्डलाधिकारी, सामान्य वनमण्डल सतना की ओर सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित।



मुख्य वन्यप्राणी अभिरक्षक एवं
प्रधान मुख्य वन संरक्षक (वन्यप्राणी), म.प्र.

MAP SHOWING AREA INSIDE 10.00 Km. RADIUS OF BATHIYA MINING LEASE COVERING 266.302 ha. IN VILLAGES BATHIYA, BARAHIYA, TAMORIYA, CHAPNA & KARONDI - TEHSIL - MAIHAR, DIST. SATNA, MP

Topo sheet No



G44U10 (63D/10)	G44U14 (63D/14)	G44V2 (63H/2)
G44U11 (63D/11)	G44U15 (63D/15)	G44V3 (63H/3)
G44U12 (63D/12)	G44U16 (63D/16)	G44V4 (63H/4)

Coordinates of ML Boundary		
Points	Latitude	Longitude
BP-2	24°18'46.792"N	80°55'18.763"E
BP-11	24°17'52.278"N	80°54'54.972"E
BP-20	24°17'39.715"N	80°54'15.249"E
BP-33	24°17'58.304"N	80°54'03.708"E
BP-44	24°18'32.924"N	80°54'08.097"E
BP-112	24°17'08.228"N	80°53'32.241"E
BP-115	24°17'01.827"N	80°53'31.838"E
BP-131	24°17'08.885"N	80°53'15.871"E
BP-132	24°17'14.177"N	80°53'17.379"E
BP-155	24°16'58.701"N	80°53'20.837"E
BP-186	24°16'19.675"N	80°52'54.870"E
BP-189	24°16'21.807"N	80°52'42.166"E
BP-218	24°17'04.315"N	80°53'00.226"E

- Forest Boundary Dist. from ML Boundary
- Block 1 - ML Boundary
 - Sirgo RF - 8.2 Km NE
 - Papra RF - 9.2 Km SE
 - Block 8 - ML Boundary
 - Papra RF - 9.7 Km SE
 - Block 10 - ML Boundary
 - Papra RF - 9.7 Km SE

The 10 Km. Radius Area Around Mining Lease includes

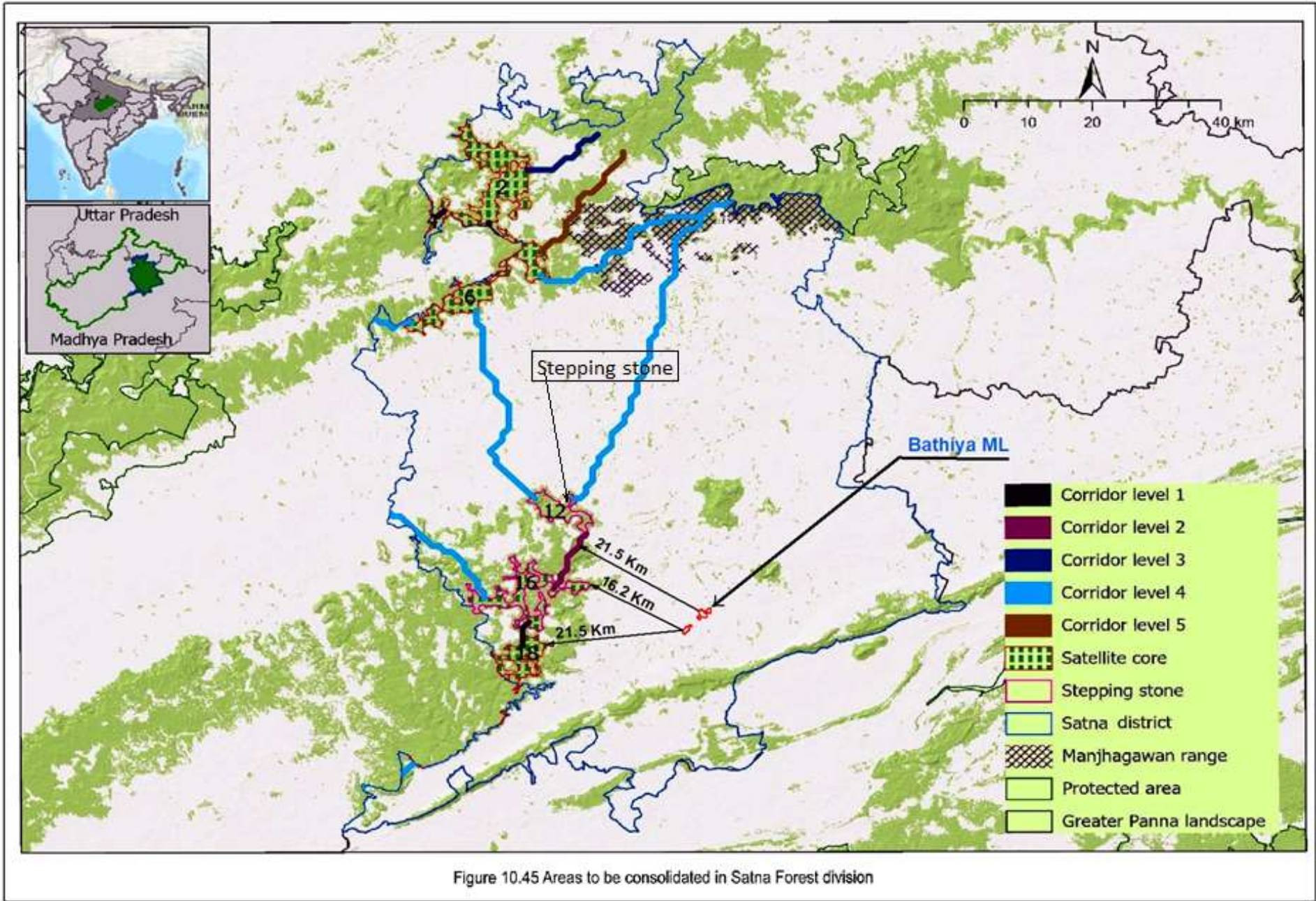
National Park	Nil
Sanctuaries	Nil
Biosphere Reserves	Nil
Wildlife Corridor	Nil
Ramsar site	Nil
Tiger / Elephant Reserves	Nil

INDEX

	Lease Boundary
	10 Km Buffer Area
	Forest Boundary

(Alok Kumar)
Principal Chief Conservator of Forests
(Wildlife) & Chief Wildlife Warden, M.P.

वन संरक्षक (म.प्र.)
वन मंडल, सतना (म.प्र.)
प्रति हस्ताक्षर



Minutes of 20th EAC (Non Coal Mining) meeting held during 21-22 September, 2023

**GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
(IMPACT ASSESSMENT DIVISION)
NON-COAL MINING SECTOR**

SUMMARY RECORD OF 20TH MEETING OF THE COMMITTEE OF THE RE-CONSTITUTION OF EXPERT APPRAISAL COMMITTEE FOR ENVIRONMENTAL APPRAISAL OF NON-COAL MINING PROJECTS CONSTITUTED UNDER THE EIA NOTIFICATION, 2006.

The 20th meeting of the Re-constitution of Expert Appraisal Committee (EAC) for Environmental Appraisal of Mining Projects (Non-Coal) of the Ministry of Environment, Forest and Climate Change was held during 21-22 September, 2023 through video conference. The list of participants is annexed herewith. After login of the Committee Members through video conference link provided by NIC discussion on each of the Agenda Items was taken up ad-seriatim.

(1.0) Deliberation & Circulation on the Minutes of 19thEAC (Non-Coal Mining) meeting held during 24-25 August, 2023:

The minutes of the 19th EAC meeting held during 24-25 August, 2023 were placed before the members of the EAC.

Day 1: 21st September, 2023 (Thursday)

1.1 Proposal for Mining of Iron Ore in Jilling Langalotta Iron Ore Mine of M/s Odisha Mining Corporation Limited with total excavation of 17.4385 Million TPA [Saleable Iron ore- 7.7723 Million TPA, Mineral rejects-2.2276 Million TPA, Waste- 7.4385 Million TPA, Topsoil: Nil] along with existing: 5 nos. with Total Capacity - 1400 TPH (Stationary Crushing Unit), 2 x 300 TPH, 2 x 200 TPH, 1 x 400 TPH, Existing: 3 nos. with Total Capacity - 150 TPH (Mobile Screening Unit), 1 x 150 TPH Mobile Screening Plant 1 x 50 TPH, Stationary Screening Plant, 1 x 100 TPH Mobile Screening Plant, New: 10 nos. with Total Capacity - 4550 TPH (Crushing Unit), 1x800 TPH, 3 x 600 TPH, 3 x 400 TPH, 1 x 300 TPH, 1 x 250 TPH, 1x 200 TPH, New: 4 nos. with Total Capacity - 1000 TPH (Portable Screening Units), 4 x 250 TPH in the mine lease area of [456.037 ha (as per DGPS)/456.100 ha (as per RoR)] located at Village(s) Jalahari, Jurudi, Banspani, Khuntapani, Bholebeda, Jajang, Baitarani Reserve Forest in Barbil Tehsil, Keonjhar District, Odisha - [Proposal No: IA/OR/MIN/440292/2023, IA-J11015/34/2021-IA-II(M), EIA Consultant: M/s. MECON Ltd] - Environmental Clearance (Auction mine)

The instant proposal is for mining of Iron Ore in Jilling Langalotta Iron Ore Mine of M/s Odisha Mining Corporation Limited with total excavation of 17.4385 Million TPA

2.4 Bathiya Limestone Mine of M/s AAA Resources Private Limited for mining of Limestone with production capacity of 4.0 MTPA, Topsoil: 0.41 MTPA, Waste/reject: 4.43 MTPA (Total excavation: 8.84 MTPA) along with the crusher of 1400 TPH in the mine lease area of 266.302 ha, located at Bathiya, Barahiya, Karaundi, Chapna and Tamoria Villages, Tehsil: Maihar, District: Satna, Madhya Pradesh – [F.No: J-11015/44/2020-IA-II(M), Proposal No: IA/MP/MIN/405276/2022, EIA Consultant: M/s Pragathi Labs & Consultants Pvt Limited] - Environmental Clearance (EC)

The instant proposal is for grant of Environmental Clearance of M/s AAA Resources Private Limited for mining of Limestone in Bathiya Limestone Mine with production capacity of 4.0 MTPA, Topsoil: 0.41 MTPA, Waste/reject: 4.43 MTPA (Total excavation: 8.84 MTPA) along with the crusher of 1400 TPH in the mine lease area of 266.302 ha, located at Bathiya, Barahiya, Karaundi, Chapna and Tamoria Villages, Tehsil: Maihar, District: Satna, Madhya Pradesh.

2. The details of the project as ascertained from the documents submitted by the Project Proponent and as revealed from the discussions held during the meeting are given as under: -

- i. The mine lease area located between Latitude 24°16'19.675" N - 24°18'46.795" N and Longitude 80°52'42.166" E - 80°55'18.769" E. The mine lease area falls under the Survey of India Toposheet No: 63D/15 and falls in Seismic zone-III.
- ii. The proposed project activity is listed at schedule no. 1(a) Mining of Minerals and falls under Category 'A' as the mine lease area is greater than 250 ha and appraised at the Central level.
- iii. The proposal was earlier considered in the 11th EAC (Non-Coal Mining) meeting held during 1-2 March, 2023 wherein the EAC after detailed deliberations deferred the proposal for want of requisite information. Then, the Project Proponent submitted the information on 20.04.2023 in Parivesh portal. Accordingly, the proposal was considered in the 15thEAC (Non-Coal Mining) meeting held during 30-31 May, 2023 wherein the EAC again deferred the proposal for want of additional information. Then, the Project Proponent submitted the information on 05.09.2023 in Parivesh portal and accordingly the proposal was again considered in the 20th EAC (Non Coal Mining) meeting held during 21-22 September, 2023.

Based on observation of EAC, compliance of observation of EAC in its meeting held during 30-31 May, 2023 made by Project Proponent are detailed below:

S. No	Observation of EAC in its meeting held during 30-31 May, 2023	Reply by Project Proponent

Minutes of 20th EAC (Non Coal Mining) meeting held during 21-22 September, 2023

1	The Project Proponent needs to submit the certificate from the Chief Wildlife Warden regarding movement of tigers in the study area.	The Project Proponent has submitted the letter from the Office of the Principal Chief Conservator of Forest (Wildlife), Madhya Pradesh vide Letter no. Sl.Va.Pra/Machi/GEN-506/77545 Bhopal, dated 23.08.2023 stating that the proposed mining area (2.63 km) is far from Compartment No.P-471 of Banshipur beat or Forest Range Maihar. Near proposed site of the forest range, no tiger movement has been observed for the last 10 years. On the basis of reports submitted by Divisional Forest Officer, Forest Division, Satna and Chief Conservator of Forest, Rewa Division, this office is agreed and forwarding the letter for necessary action.						
2	The Project Proponent needs to verify whether the instant mine lease area falls in the Greater Panna Landscape delineated by the Wildlife Institute of India (WII).	The Project Proponent has submitted the map showing the mine lease area in the Greater Panna Landscape delineated by the Wildlife Institute of India (WII).						
3	The Project Proponent needs to submit the approved action plan to monitor the movement of tigers in the vicinity of the mine lease area from the Chief Wildlife Warden.	<p>The Project Proponent has submitted the letter from the Office of the Principal Chief Conservator of Forest (Wildlife), Madhya Pradesh vide Letter no Sl.M.Pra/Machi/Mines-157/7493 Bhopal dated 17.8.2023 stating that an action Plan has been prepared by Shri Ravikant Mishra, IFS (Retired) for conservation of Flora and Fauna in the 10 kms of limestone mining lease area (266.302 ha.) of M/s AAA Resource Pvt Ltd covering Village Bathiya, Barahiya, Karaundi, Capana and Tamoriya, Tehsil Maihar, District-Satna. The Action Plan has been prepared on the basis of condition mentioned in Sl.No.1 of the decision taken in 15th meeting of Expert Appraisal Committee of Specialists. The Action Plan has been submitted along with recommendation letter of Divisional Forest Officer, Common Forest Division, Satna.</p> <p>As per recommendation letter of the Divisional Forest Officer, Common Forest Division, Satna a proposal for action plan for wildlife conservation for monitoring the tigers' movement within vicinity of 10 km of mining area an amount of Rs.16.50 lacs has been estimated, bifurcation are as under:-</p> <table border="1" data-bbox="691 1839 1373 1873"> <thead> <tr> <th data-bbox="691 1839 808 1873">S. No</th> <th data-bbox="808 1839 1203 1873">Item of Work</th> <th data-bbox="1203 1839 1373 1873">Amount</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	S. No	Item of Work	Amount			
S. No	Item of Work	Amount						

				(Rs. In Lacs)										
		1	Procurement of Camera Trap (20 Nos.)	4.0										
		2	Procurement of Batteries Memory Cards etc for Camera Trap	0.50										
		3	Procurement of hand held GPS, binoculars	2.0										
		4	Procurement of Mobile Phone	1.0										
		5	Creation of pug-mark impression pads in forest road, near water holes and other places as per requirement	2.0										
		6	Awareness generation, workshop of mine staff, workers, JFMC members & students by forest department	5.0										
		7	Honorarium and wages for camera installation in field and its data collection	2.0										
			Total	16.50										
		<p>In this regard, after final approval from India Government/State Government and before commencement of the mining and within time limit and according to amended action plan for wildlife management allocated fund Rs.16.50 lacs in one time is to be deposited in Saving Bank Account No.10571048460 (IFSC: SBIN0001308), Main Branch of State Bank of India, TT Nagar, of Madhya Pradesh Tiger Foundation Society.</p> <p>The Project Proponent also submitted the copy of the action plan to monitor the movement of Tigers in the vicinity of the Bathia mining lease area.</p>												
4	The Project Proponent needs to revisit the action plan for the purpose of local employment in a more specific manner by mentioning the skills to be imparted, physical and financial targets and timelines.	<p>The Project Proponent has submitted the revised action plan for Skill development as given below in table: -</p> <table border="1"> <thead> <tr> <th>S.No</th> <th>Skill Development program</th> <th>Through</th> <th>Number of Candidates</th> <th>Total Course Fee for a Course</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Stitching & Designing course/</td> <td>NSDC / ITI</td> <td>37</td> <td>2,25,680</td> </tr> </tbody> </table>			S.No	Skill Development program	Through	Number of Candidates	Total Course Fee for a Course	1	Stitching & Designing course/	NSDC / ITI	37	2,25,680
S.No	Skill Development program	Through	Number of Candidates	Total Course Fee for a Course										
1	Stitching & Designing course/	NSDC / ITI	37	2,25,680										

Minutes of 20th EAC (Non Coal Mining) meeting held during 21-22 September, 2023

			Fashion Design and Technology			
		2	Data Feeder Consignment tracking Warehouse - Logistic	NSDC / ITI	30	1,85,360
		3	COPA (Computer Operator & Programming Assistant) / CHNM (Computer Hardware and Network Maintenance)	ITI	30	1,85,360
		4	MRAC (Mechanical, Refrigerator & Air Condition)/ Electrician/ Fitter etc.	ITI	25	2,94,000
		5	Carpenter / Mason / Diesel Mechanic etc.	ITI	45	2,78,040
		6	Heavy Vehicle Driving	Ashok Leyland Institute of Driving Training and Research, Devardha, MP	90	9,93,000
					257	21,61,440
			Contingency Amount @15%			3,24,216
			Total Budget			24,85,656
			Say (Rs. Lakh)			25.00
5	The Project Proponent needs to submit the map demarcating the land to be purchased and already purchased land. PP also needs to submit the phase wise plan for land acquisition.	The Project Proponent has submitted the map demarcating the purchased land and non-purchased land within the mine lease area. The land will be purchased for mining as per approved mining plan. It is planned to obtain surface rights of the land required for first five-year mining operations within three years in a phased manner. The balance land will be purchased subsequently.				
6	The Project Proponent needs to submit the copy of	The Project Proponent has submitted the copy of order dated 06.07.2023 pronounced by the Hon'ble				

Minutes of 20th EAC (Non Coal Mining) meeting held during 21-22 September, 2023

	withdrawal petition filed on 09.05.2023 before the Hon'ble High Court of Madhya Pradesh at Jabalpur Bench.	High Court of Madhya Pradesh at Jabalpur Bench stating that for the reasons assigned in the application, I.A No. 6358 of 2023 seeking withdrawal of the writ petition is allowed. The writ petition is accordingly dismissed as withdrawn with liberty to file a fresh petition.
7	The Project Proponent needs to submit the undertaking as committed before the EAC towards promotion of solar energy.	The Project Proponent has submitted an undertaking vide letter dated 29.08.2023 stating that the daily average load of electrical installation including crusher at mines will be 477 kW. Further, the proposed capacity is in line with Gazette Notification no. RG-39(I) dated 22.07.2022 of Madhya Pradesh Electricity Regulatory Commission (MPERC), 2022 which permits eligible consumer to install renewable energy generating systems under the net metering arrangements upto 500 kW capacity. The Project Proponent undertakes to install solar energy with capacity of 500 kW within two financial years.

iv. Details of Terms of Reference (ToR):

Date of application	Proposal No/ File No	Consideration by EAC	Details of ToR	Date of accord
30.09.2020	IA/MP/MIN/176767/2020 J-11015/44/2020-IA-II(M)	November 23-25, 2020&9-11 and 14-15 June, 2021	Terms of Reference to M/s AAA Resources Private Limited for Bathiya Limestone mine with Total excavation: 8.84 MTPA, Limestone: 4.0 MTPA, Waste/reject: 4.43 MTPA Topsoil: 0.41 MTPA in the mine lease area of 266.302 Ha at Bathiya, Barahiya, Karaundi, Chapna and Tamoria villages, Tehsil: Maihar, District: Satna, State: Madhya Pradesh.	02.07.2021

v. Details of Mine Lease:

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S.no	Grant of PI/mine lease/ Order	Date of the grant	Name of the Mineral	Period of Grant	Granted by	Mine lease area in Ha
1	Letter of Intent No F3-8/2011/ 12/1	03.01.2018	Limestone	50 years	Govt. of Madhya Pradesh	266.302
2	Grant of mining lease Lr No AF 3-8/ 2014/ 12/1	13.01.2021	Limestone	50 years	Govt. of Madhya Pradesh	266.302

Details of Mine Lease Deed:

S. No	Details of grant of Mine Lease deed execution	Period of Grant		Name of the Mineral	Mine lease area in Ha
		From	To		
1	Mining Lease deed executed on 28/01/2021	28/01/2021	27/01/2071	Limestone	266.302

vi. Land Use/Land Cover of the Mine Lease Area:

Private land	258.230 ha
Government land	8.072 ha
Forest land	Nil
Total Mining lease area (MLA)	266.302 ha
Private land for crusher, workshop & other infrastructure outside the MLA	Nil

vii. Details of Mining Plan:

Mining Plan including Progressive Mine Closure Plan approved by Indian Bureau of Mines	Letter No.	MP/Satna/Limestone/MPLN/G-04/2020-21
	Date	16.09.2020
	Mineral & (Major/Minor)	Limestone (Major)
	Mine Lease Area, Ha	266.302
	Production capacity	4.0 MTPA
Mining Parameters	Quantitative Description	
Method of Mining	Opencast fully mechanized	
Drilling/Blasting	Spacing: 5.0 m Burden: 3.25 m Depth of hole: 8 m (Sub grade drilling 10% =0.8m) Charge per hole: 50 – 60 kg Powder Factor (t/kg): 5 – 6	

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	Dia. of hole: 115 mm
Geological Reserves	86.46 million tonnes
Mineable Reserves	33.96 million tonnes
Breakup of Total Excavation (Topsoil/OB/SB/IB/Mineral Rejects/ Waste, MTPA)	Total excavation: 8.84 Million Tonnes Per Annum (MTPA) includes Topsoil: 0.41 MTPA; Waste/Reject: 4.43 MTPA; Limestone: 4.0 MTPA
Life of mine	12 years
Mine Bench Height & Bench Width	8 m and 15-30 m
No. of Mine Benches	7
Existing Depth, m bgl	Not applicable
Ultimate Depth of Mining, m bgl	55 m bgl in block-1, 30 m bgl in block 10
Ground Water Table, m bgl	Pre-monsoon 11.63 m bgl; post-monsoon 7.06 m bgl
Details of ground water intersection	Mine workings will intersect water table around 7.06 m during post-monsoon and 11.63 m during pre-monsoon.
Individual bench slope	80°
Overall pit slope	45°
Details of existing/ proposed Crusher	One crusher of 1400 TPH is proposed. The Project Proponent has submitted that the installation of crusher plant of 1400 TPH will start immediately after obtaining CTE and the installation work will be completed within 1 year.
Mineral Beneficiation	Not applicable
RoM output size	Max. 600 mm
Transportation details including capacity of dumper/tipper, mode of transport and distance	The limestone after crushing will be dispatched by tipper trucks through road to cement plant located at Bharauli for captive use. Approximate distance is 27 km. Capacity of dumper is 40 tonnes. The ROM limestone will be crushed before being dispatched to the cement plant. Further, till the installation of crusher, sized limestone will be transported to cement plant for captive use.
Generation of Topsoil/OB & its Management during plan period & conceptual period	Top soil generation during plan period - 8,90,455 m ³ and during life of mine - 5.02 million m ³ . The same will be stored temporarily for future use in plantation / reclamation.
Generation of Mineral Rejects/ Waste & its Management during	During the first five years period, 27,53,100 m ³ of waste will be generated. The part quantity will be

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plan period & conceptual period	used for preparing protective bund, crusher ramp etc. and remaining will be stored in temporary waste dump. Upto conceptual period 36.70 million m ³ OB will be generated. Entire quantity will be used for backfilling of mine pits.
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viii. Water requirement:

Total water requirement	412 KLD	Fresh water	412 KLD
		Treated water	Nil
Source	Ground water during initial years of operation.		
Permission for withdrawal/ intersection along with details of grant and its validity	Application has been submitted to CGWA for obtaining NOC vide application no. 21-4/1658/MP/MIN/2022 on 15/11/2022 and is in under progress. Water abstraction charges are paid and application is in advance stage of processing at CGWA, HQ. Presentation before CGWA committee made on 02ndMay 2023. PP also submitted the status of application submitted to CGWA.		

ix. Nearest village / town/ highway/railway station / water bodies:

Particulars	Particular's Name	Distance & Direction
Village	Tamoriya near block 1 and Barahiya near block 10	Adjacent
Town	Amarpatan (Block-1, Block-8 and Block-10)	5.8 km- E, 8.6 km-ENE and 9.0 km-W
Highway	Maihar - Amarpatan/Rewa road	0.1 km, N
Interstate Boundary	Uttar Pradesh	Approx. 67 km, N
Railway station / railway line	Maihar	11.6 km, W
Water bodies	Serainjinala Tamas/Tons river Bihar river Bakaulinala Pathananala	1.9 km, S 6.9 km, W 7.6 km, SE 8.0 km, N 9.2 km, WNW
	The Project Proponent has submitted that two small portions of the canal passing through the lease area will not be diverted. A safety barrier of 50 meters on either side of the canal will be left and plantation will be done on the safety barrier.	
Forest	Sirgo RF; Papra RF	8.2 km-NE; 9.2 km-SE

x. Presence of Environmentally Sensitive areas in the study area:

Forest	Land/Protected	Yes/No	Details of Certificate/letter issued by
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Area/Environmental Sensitivity Zone		the concerned Department mentioning the Lr. no, date of grant and remarks
Forest Land within the mine lease area and (if yes) status of Forest Clearance	No	PP submitted that there is no forest land within ML area. PP also submitted the letter from the Forest Dept. Satna, MP vide letter no. 2409 dated 04-03-2021 in this regard.
National Park	No	PP submitted the letter from PCCF (Wildlife and Chief Wildlife Warden, MP) vide Lrno. No./B.Pra/Ma.Chi/Mine-85/ 3211 dated 08-04-2021 stating that there is no Protected Area / Tiger Reserve / Sanctuary / Biosphere / Wildlife Corridor / Ramsar Site / Elephant Reserve / Eco Sensitive Zone within 10km radius and also submitted the authenticated map of 10km radius from the Forest Dept. in this regard.
Wildlife Sanctuary	No	
Elephant/Tiger Reserve	No	
Eco-Sensitive Zone(ESZ) /Eco-Sensitive Area (ESA)	No	
Coastal Regulation Zone (CRZ)	No	--
Schedule-I species (No. and name of schedule-I species with authenticated letter)	No	PP submitted the List of Flora and Fauna authenticated by Forest Dept., Satna.
Wildlife Conservation Plan	No	Not Applicable
Additional information (if any)		The Project Proponent has submitted the action plan prepared by Sh. Ravikant Mishra IFS, CCF(Rtd), Bhopal to monitor the movement of tigers with participation of mine staff, workers, JFMC members, students and Forest Department.

xi. Details of Green belt/plantation:

Proposed area for green belt/plantation and no. of saplings proposed	Greenbelt:46.64 ha and 69,960 numbers Backfilled area: 134.85 ha and 2,02,275 numbers
Budget for green plant & plantation till the end of life of mine.	₹2.722 Cr.
Budget for nursery	Included in the above figure
Details of existing plantation and its survival rate	Not applicable
No. of tree cuts in the mine lease area and compensatory afforestation	Nil and compensatory afforestation is not applicable.
Particulars for Green belt/plantation	Area covered (in Ha)
7.5 m barrier & non-mineralized zone	46.64
50 m safety zone of nallah, roads, electric lines	
500 m safety zones of nearest habitation	

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villages	
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xii. Baseline data:

Baseline Data (Air / Water / Noise / Soil / Hydro geological study/ Traffic Study/ others)				
Period of baseline data collection		December 2020 to February 2021		
Season (Summer / Pre-monsoon / Post-monsoon / Winter)		Winter		
Predominant Wind direction (From)		North-West		
Ambient Air Quality (no. of locations) and results		10 locations Result summary: PM ₁₀ : 30.7 µg/m ³ - 61.7 µg/m ³ PM _{2.5} : 18.2 µg/m ³ - 36.9 µg/m ³ SO ₂ : 10.8 µg/m ³ - 18.1 µg/m ³ NO ₂ : 14.1 µg/m ³ - 24.8 µg/m ³		
Noise level (no. of locations) and results		10 locations Result summary: Day Time (Lday) noise level: 41.8 dB (A) - 55.6 dB (A) Night Time (Lnight) noise level: 38.4 dB (A) - 52.8 dB (A).		
Water Quality (no. of locations) and results: 11 Locations (9 ground water and 2 surface water)		Parameters	Surface water (5 locations)	Ground water (5 locations)
		pH at 25°C	6.86 - 6.94	7.01 - 7.62
		Total Dissolved Solids, mg/l	-	371.5 - 960.1
		Chloride as Cl ⁻ , mg/l	48.6 - 61.2	86.5 - 282.6
		Total Hardness, mg/l	154.22 - 168.54	186.21 - 440.35
		DO, mg/l	5.6 - 6.1	-
		BOD, mg/l	less than 3 mg/l	-
		Fluoride as F, mg/l	0.4-0.5	0.6 - 1.2
		Sulphates as SO ₄ ,mg/l	31.8 - 32.6	34.6 - 112.5
Soil Quality (no. of locations) and results: 10 locations		Parameters		Observed Values
		pH		4.92 - 7.02
		Texture		Sandy clay to clay
		Electrical Conductivity (µS/cm)	82.4 - 302.1	
		Organic Carbon (%)		0.19 - 0.46

	Available Nitrogen as N (Kg/Ha)	38.5 - 56.4
	Available Phosphorus (Kg/Ha)	38.6 - 66.9
	Potassium (Kg/Ha)	126.9 – 210.5
Hydro geological study and results	<p>Hydrogeological investigations were carried out in the study area during 27-30 November 2020 and 22-24 April 2021. Mine workings will intersect water table around 7.06 m during post-monsoon and 11.63 m during pre-monsoon. The block is falling under safe category as per GWRA, 2020. The total rain water available from the rain water harvesting from roof top areas and open area works out to 0.017 MCM (0.007 MCM + 0.010 MCM), which can meet 14.05% of nondomestic requirements (0.122 MCM) of the project. Recharge due to settling-cum-recharge ponds works out to 0.003 MCM. An amount of 7,93,347.40 m³ (0.793 MCM) of rainfall collected from the reservoir area will be available for recharge resulting in post mining water table recovery in the area.</p>	
Traffic study (no. of locations) and results: 8 locations	<p>PP submitted that about 334 trucks per day would be required for transportation of limestone from mine to the captive cement plant. The traffic contribution from mine to the road network will thus is the 'to and fro' movement of 668 vehicles per day, which is equivalent to 2004 PCU per day (taking a PCU factor of 3 per vehicle). With present level of traffic route in three locations and the predicted increase in existing traffic due to the project, adequacy of road/highway during operational phase of the mine has been estimated by comparison with the recommendations stipulated by Indian Road Congress (IRC).</p> <p>The total traffic load after implementation of the mining project will be well within the IRC stipulated maximum load of 35,000 PCU/day for a four lane highway with median separator (NH-7). The estimated peak traffic in terms of PCUs is compared with the stipulated standards by IRC for traffic capacity of the roads and it can be observed that the existing road network is adequate.</p>	
Revalidation of baseline data	<p>The Project Proponent has submitted that one-month fresh baseline data has been collected</p>	

during 09th March 2023 to 09th April, 2023 for the purpose of revalidation. PP also submitted that the ambient air quality has carried out in 10 locations, soil sampling in 10 locations, Surface water in 02 locations, Ground water in 09 locations and Noise survey in 10 stations within the study area.

Ambient Air Quality				
S.No	Parameters	Winter 2021	Summer 2023	Standards ($\mu\text{g}/\text{m}^3$)
1	PM ₁₀	55.1-61.7 $\mu\text{g}/\text{m}^3$	64.7-72.6 $\mu\text{g}/\text{m}^3$	100
2	PM _{2.5}	25.9-36.9 $\mu\text{g}/\text{m}^3$	34.7-46.3 $\mu\text{g}/\text{m}^3$	60
3	SO ₂	12.1-18.1 $\mu\text{g}/\text{m}^3$	15.9-21.3 $\mu\text{g}/\text{m}^3$	80
4	NO ₂	17.8-24.8 $\mu\text{g}/\text{m}^3$	21.6-28.3 $\mu\text{g}/\text{m}^3$	80

Location code	Winter 2021		Summer 2023	
	L _{day}	L _{Night}	L _{day}	L _{Night}
N1	47.6	43.8	52	40
N2	46.9	42.9	52	39
N3	50.3	47.1	56	42
N4	47.7	44.8	53	40
N5	45.3	41.9	50	38
N6	42.8	39.7	48	36
N7	55.6	52.8	61	49
N8	41.8	38.4	47	34
N9	47.2	44.1	53	39
N10	44.9	41.8	49	37
Standards Day Time dB (A):	Industrial: 75, Commercial: 65 Residential: 55, Silence: 50			
Standards Night Time dB (A):	Industrial: 70, Commercial: 55 Residential: 45, Silence: 40			

Surface Water quality			
S.No	Parameters	Winter 2021	Summer 2023
1	pH	6.86-6.94	7.10
2	EC	586.8-659.7	1310
3	DO, mg/l	5.6-6.1	4.9
4	Total Hardness, mg/l	154.2-168.5	380
5	Fluoride (mg/l)	0.4-0.5	0.9
6	Sulphate (mg/l)	31.8-32.6	74

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Ground Water quality				
S. No	Parameters	Winter 2021	Summer 2023	Standards
1	pH	7.01-7.62	7.0-7.6	6.5 to 8.5
2	Fluoride (mg/l)	0.6-1.1	1.0-1.1	1-1.5
3	Sulphate (mg/l)	34.6-112.5	45-107	200-400
4	EC	590-1560	656-1480	-
5	Total Hardness, mg/l	186.21-440.35	176-420	200 – 600
6	Chlorides, mg/l	86.5-282.6	105-225	250-1000
7	Nitrates, mg/l	3.9-22.5	11-28	45
8	Iron, mg/l	0.06-0.13	0.5-1.3	0.3

Soil quality			
S.No	Parameters	Winter 2021	Summer 2023
1	pH	6.76-7.96	6.7-7.8
2	Electrical Conductivity (µmhos/cm)	82.4-302.4	119-318
3	Organic Carbon	0.19-0.46	0.14-1.0
4	Nitrogen (kg/ha)	38.5-56.4	36.85-62.74
5	Phosphorus (kg/ha)	38.6-66.9	45.5-72.9
6	Potassium (kg/ha)	126.9-246.6	132.16-252.0

PP also submitted the test report for analysis of ambient air quality, noise level, water quality and soil analysis done by Pragathi Labs & Consultants Pvt. Ltd (Lab recognized by Ministry of Environment, Forests, Govt. of India).

xiii. Public Hearing (PH) Details:

Advertisement for PH with date (pl. mention name of major national daily and one regional vernacular daily newspaper)	DainikBhaskar, PatrikaSamachar, Nav Swadesh dated 28.05.2022 and 29.06.2022
Date of PH	20.07.2022
Venue	Near Gokul Gaushala, Village Bathiya, Tehsil Maihar, Dist. Satna, Madhya Pradesh.
Chaired by	Additional District Magistrate
Main issues raised during PH	Pollution control, Environment management, Blasting, Land compensation, Employment, Road transportation, beautification of ponds, drinking water, school,

Budget proposed for addressing issues raised during PH	Rs. 122.50 Lakhs for 3 years
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xiv. Rehabilitation & Resettlement (R&R):

R & R details	<p>The Project Proponent submitted that the total mine lease area is 266.302 ha, out of which 258.230 Ha is private land covering 5 villages Bathiya, Barahiya, Karaundi, Chapna and Tamoria. PP reported that there are 639 PAFs (only land losers). The land purchase for the proposed limestone project and the rehabilitation and resettlement of project affected families will be implemented under the provisions of the Central and State Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Acts, Rules & Policies. PP also submitted that willing seller and willing buyer will be adopted, where no land owner is compelled to sell their lands and whoever is ready, they will be paid adequate compensation based on mutually agreed, which would be more than the provisions suggested in the “Madhya Pradesh Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Rules, 2015”. Estimated total compensation will be around Rs.66.72 Crores. PAFs will be given preference in employment as per their qualification and skill set. The Project Proponent also submitted the activities for youths, women, farmers etc. for upgrading their skill set to make them employable, self-employed and / or increase their income level.</p> <p>The Project Proponent has submitted that the land will be purchased for mining in phased manner. It is planned to obtain surface rights of the land required for first five year mining operations within two years of start of operation. The balance land will be purchased in phases.</p>
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xv. Court case details:

Court Case no. and its present status	The Project Proponent has submitted the copy of order dated 06.07.2023 pronounced by the Hon’ble High Court of Madhya Pradesh at Jabalpur Bench stating that for the reasons assigned in the application, I.A No. 6358 of 2023 seeking withdrawal of the writ petition is allowed. The writ petition is accordingly dismissed as withdrawn with liberty to file a fresh petition.
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xvi. Affidavit/Undertaking details:

Affidavit as per Ministry’s OM dated 30.05.2018	PP submitted the Affidavit in a non-judicial stamp paper of Rs 100 bearing XN 118806 that M/s AAA Resources Private Limited would comply with all the statutory requirement & judgment of Hon’ble Supreme
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	Court dated 2 nd August 2017 in writ Petition (Civil) No. 114 of 2014 in the matter of common cause versus Union of India & Ors.
Undertaking by Project Proponent in EIA/EMP report	The Project Proponent submitted an undertaking stating that the information and data provided in the EIA report and submitted to the Ministry are factually correct & Project Proponent is fully accountable for the same.
Undertaking by Consultant in EIA/EMP report	The Consultant submitted an undertaking vide letter dated 08.02.2023 stating that "M/s Pragathi Labs & Consultants Pvt Ltd have gone through the EIA&EMP report of AAA Resources Private Limited prepared by M/s Vimta Labs Ltd and observed that it has complied with all the prescribed Terms of Reference vide ToR letter dated 02.07.2021 and thus we hereby give our undertaking owning the contents and data provided in the report. Due to some uneventful situation M/s Vimta Labs Limited is unable to present the case, we are undertaking the responsibility of presenting the Final EC meeting before Expert Appraisal Committee, MoEF&CC".

xvii. Details of the Environmental Management Plan (EMP):

Activities	Capital cost (Rs in Crores)	Recurring cost (Rs in Crores/ annum)
Air pollution control and management	2.280	0.904
Water and wastewater control and management	0.614	0.328
Noise and vibration control and management	0.110	0.010
Soil conservation and solid waste management	0.210	0.027
Plantation & Green Belt	2.722	1.960
Total	5.936	3.229

xviii. Details of project cost and employment:

Particulars	(Rs. in Crore)
Total cost of EMP (Capital Cost of EMP + capital cost of Public hearing)	7.161
Project Cost	255.72
Employment	132 persons

3. Observation and Recommendation of the EAC: -

The EAC deliberated on the additional details submitted by the Project Proponent and the Consultant. The Project Proponent has informed the EAC that the letter has been obtained from the Office of the Principal Chief Conservator of Forest (Wildlife),

Madhya Pradesh vide letter dated 23.08.2023 stating that near the proposed site of the forest range, no tiger movement has been observed for the last 10 years. On the basis of reports submitted by Divisional Forest Officer, Forest Division, Satna and Chief Conservator of Forest, Rewa Division, this office is agreed and forwarding the letter for necessary action. The Project Proponent has showed the map of the mine lease area in the Greater Panna Landscape delineated by the Wildlife Institute of India (WII) and also the levels of different corridor level. The Project Proponent also informed the EAC that mineral transportation route is not passing through the tiger dispersal route. The EAC asked the Project Proponent whether any mines are operating in the study area. The Project Proponent informed the EAC that many mines are operating in the study area.

The Project Proponent has informed the EAC that an action Plan has been prepared by Shri Ravikant Mishra, IFS (Retired) for conservation of Flora and Fauna in the 10 km of limestone mining lease area. A budget of Rs.16.50 lacs has been earmarked to monitor the movement of tigers and the same has been approved by the Chief Wildlife Conservator & Principal Chief Forest Warden (Wild Life), M.P vide letter dated 17.08.2023. Action plan for skill development plan has been revised and a budget of Rs 25.0 Lakhs has been earmarked for the same. The land required for operation of mining for the first five years will be acquired within 2 years. The Project Proponent has informed the EAC that Hon'ble High Court of Madhya Pradesh at Jabalpur Bench vide order dated 06.07.2023 pronounced that for the reasons assigned in the application, I.A No. 6358 of 2023 seeking withdrawal of the writ petition is allowed. The writ petition was accordingly dismissed as withdrawn with liberty to file a fresh petition. The Project Proponent also informed the EAC that as on date there is no court case pending against the project. The Project Proponent also undertakes to install solar energy with capacity of 500 kW within two financial years and also informed that the same may be completed in advance depending on the acquisition of the land.

After detailed deliberations made by the Project Proponent and the Consultant, the EAC in its meeting held during 21-22 September, 2023 under the provisions of EIA Notification 2006 and its subsequent amendments, **recommended** the proposal for grant of Environmental Clearance to Bathiya Limestone Mine of M/s AAA Resources Private Limited for mining of Limestone with production capacity of 4.0 MTPA, Topsoil: 0.41 MTPA, Waste/reject: 4.43 MTPA (Total excavation: 8.84 MTPA) along with the crusher of 1400 TPH in the mine lease area of 266.302 ha, located at Bathiya, Barahiya, Karaundi, Chapna and Tamoria Villages, Tehsil: Maihar, District: Satna, Madhya Pradesh subject to the following specific conditions in addition to the standard EC conditions applicable for non-coal mining projects: -

- i. This Environmental Clearance will be valid upto the life of the mine i.e., 12 years.

- ii. The Project Proponent needs to implement the approved action plan to monitor the movement of Tigers in the study area with an earmarked budget of Rs 16.50 Lakhs.
- iii. No Nallah should be disturbed or diverted at any stage of the mining operation.
- iv. As committed by the Project Proponent, installation of crusher plant of 1400 TPH shall start immediately after obtaining CTE and the installation work shall be completed within 1 year.
- v. The Project Proponent needs to carry out ground vibration study through reputed institute to determine maximum charge per hole and charge to be blasted per delay so that ground vibrations are minimized and kept within permissible safe limits fixed by DGMS. Necessary permission shall be obtained from DGMS for conducting blasting.
- vi. The Project Proponent shall monitor the ground induced blasting regularly for every blast performed and the values of “peak particle velocity” and “Air Over Pressure” shall be maintained below the permissible values prescribed by the DGMS, from time to time. The data needs to be maintained and submitted along with the six monthly compliance report.
- vii. In the mining area, adequate number of check dams, retaining walls/structures, garland drains and settling ponds should be provided to arrest the wash-off with rain water in catchment area.
- viii. The Project Proponent should install the continuous ambient air quality monitoring stations (CAAQMS) as per the scientific study and in consultation with CPCB/SPCB. The real time data so generated should be displayed digitally at entry and exit gate of mine lease area for public display and shall be linked to server of CPCB/SPCB.
- ix. The Project Proponent shall monitor the air quality, noise level, water quality, water level and ground vibration during drilling and blasting at the edge of the mine, near the village, crusher and at other sensitive receptors and such collected data shall be submitted quarterly to the Ministry’s Regional Office.
- x. The Project Proponent shall strictly adhere to the skill development plan and implement the same with an earmarked budget of Rs 25.0 Lakhs.

- xi. As committed before the EAC, the Project Proponent needs to install solar energy with capacity of 500 kW within and the same may be completed in advance depending on the acquisition of the land.
- xii. The Project Proponent needs to make provision for permanent water sprinklers so as to reduce the water consumption. Further, 10 nos. of fog canon/mist sprayer of atleast 40 m throw shall be installed at various locations in the mine area. Effective dust suppression system shall also be adopted at other parts of the mining lease to arrest the fugitive dust emission.
- xiii. The air pollution control equipment's like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, and other areas prone to air pollution. PP shall take necessary measures to avoid generation of fugitive dust emissions. The dense plantation shall be carried out in the vicinity of the crusher. The Stack emission monitoring of the Crusher shall be carried out at periodic intervals.
- xiv. The Project Proponent needs to complete the entire 7.5 m peripheral plantation and safety barrier plantation within three years from the start of mining operations. The Project Proponent should plant quality sapling of appropriate height of native and fruit bearing species. In case of tall transplants (seedlings) the seedlings should have proper trained root stock with root biomass commensurate with seedling height to ensure good growth after out planting. Plantation shall be undertaken in consultation with the State Forest Department. The Project Proponent shall make the actual count on the saplings planted and its survival rate and in case of failure of achievement of 95% survival rate, action plan for achieving the target survival rate shall be submitted to the Ministry's Integrated Regional Office.
- xv. The budget of Rs 122.50 Lakhs to address the concerns raised by the public in the public hearing to be completed within 3 years from the date of start of mining operations. PP shall comply with all action plans made for public hearing concerns and make regular maintenance and record the progressive activity outcomes. The Project proponent shall ensure that the activities proposed under the public hearing is different from the CSR activities.
- xvi. The Project Proponent shall create awareness among the local people working within the project area as well as its surrounding area on the ban of Single Use Plastic (SUP) in order to ensure the compliance of Notification published by

MoEF&CC on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report.

- xvii. The Project Proponent should adopt the proper mitigation measures as proposed under EMP with budgetary provision of Rs 5.936 Cr. The adoption of mitigation measures and monitoring of the same as proposed in the EMP shall be done under the supervision of the qualified environmental personnel. The implementation status of the same shall be submitted to the Ministry's Integrated Regional Office.
- xviii. The Project Proponent should establish in house (at project site) environment laboratory for measurement of environment parameter with respect to air quality and water (surface and ground). A dedicated team to oversee environment management shall be setup at site which should comprise of Environment Engineers, Laboratory chemist and staff for monitoring of air, water quality parameters on routine basis instead of engaging environment monitoring laboratories/consultants. Any non-compliance or infringement should be reported to the concerned authority.
- xix. The Project Proponent shall explore the possibility of using atleast 20% of Electric vehicles/CNG/Solar instead of diesel operation within three years.
- xx. NoC from the Central Ground Water Authority (CGWA)/ Concerned Local authority, as the case may be, shall be obtained before drawing the ground water for the project activities, State Pollution Control Board / Pollution Control Committees shall not issue the Consent to Operate (CTO) under Air (Prevention and Control of Pollution) Act and Water (Prevention and Control of Pollution) Act till the project proponent shall obtain such permission.
- xxi. The Project Proponent shall also organize employment-based apprenticeship/ internship training program every year with appropriate stipend for the youth and other programs to enhance the skill of the local people. The data should be maintained for the training imparted to the persons and the outcome of the training, for the assessment of the training program should be analyzed periodically and improved accordingly. The preference shall be given to the local people for the purpose of employment and PP shall strictly adhere to the skill development plan for the work force.
- xxii. The Project Proponent should periodically monitor and maintain the health records of the mine workers digitally prior to mining operations, at the time of

operation of mine and post mining operations. Regular surveillance on occupational health shall be carried out every year for mine workers. PP shall also organize medical camp for the benefit of the local people and also the monitor the health impacts due to mining activity.

- xxiii. The mining lease holders shall, after ceasing mining operations, undertake regrassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The implementation report of the above said condition shall be submitted to the Ministry's Regional Office.

Additional Agenda:

2.5 Bauxite mining project of M/s Panditrao Mines and Minerals Private Limited with production capacity of 0.80 MTPA in the mine lease area of 90.0 ha, located at Village Minche Budruk, Taluka-Budhargarh, District-Kolhapur, Maharashtra - Environmental Clearance (EC)

The instant proposal is regarding review of the minutes of EAC (Non-Coal Mining) held during 3-4 May, 2023 and requisition for revocation of the abeyance order.

2. Observation and Recommendation of the EAC:

The EAC noted that earlier the Project Proponent sought deferment on consecutive two EAC meetings held during 11-12 July, 2023 and 31st July & 1st August, 2023. The EAC also noted that again the Project Proponent sought deferment vide email dated 20.09.2023 for the third time and informed that the Mr. Pandit Rao who has been authorized as Nominated owner is not feeling well and requested to defer the proposal. Based on the request of the Project Proponent vide email dated 20.09.2023 the EAC **deferred** the proposal.

2.6 Report of the field visit undertaken by EAC sub-committee during 17-19 August, 2023 at Mukam Bauxite mine of M/s Chhattisgarh Mineral Development Corporation Ltd for mining of Bauxite with Total Excavation of 802977.5 TPA [384615.4 TPA (ROM) & OB 418362.1 TPA] in the mine lease area of 110.563 Ha, located at Village: Mukam, Tehsil- Bodla, District- Kabirdham, Chhattisgarh – [File. No: IA-J-11015/37/2022-IA-II(NCM), Proposal No: IA/CG/MIN/417404/2023] – Environmental Clearance (EC)

The instant proposal is for grant of Environmental Clearance (EC) for mining of Bauxite in Mukam Bauxite mine of M/s Chhattisgarh Mineral Development Corporation Ltd with Total Excavation of 802977.5 TPA [384615.4 TPA (ROM) & OB 418362.1 TPA]

Sr. No.	Industries	Distance from ML (KM)
1	Maa Sharda Stone Crusher	0.6
2	Radha Krishna Crusher	0.6
3	Krishna Stone Crusher	1.25
4	Neha Stone Crusher	1.33
5	Piyush Stone Crusher	0.3
6	Ghai Stone Crusher	0.5
7	Sai Stone Crusher	1.2
8	Vindhya vashni Stone Crusher	1.0
9	Kapish roy stone Crusher	0.9
10	Natrai stone Crusher	2.7
11	Ashutosh stone Crusher	2.7
12	Taran taran Stone Crusher	0.5
13	SNS Minerals Crusher	0.6
14	Rai Lime Crusher	6.3
15	KJS Cement Plant	8.65
16	KJS Cement Mines	9.0
17	Ultratech Cement Mines	1.6
18	SNS Minerals Mines	2.5
19	Rai Lime Company Mines	3.0
20	Ghai Stone Lime Company Mines	3.0
21	SNS Minerals Mines	Adjacent



Operating Leases & Operating Leases & Crushers within 10 km Crushers within 10 km