EXECUTIVE SUMMARY OF DRAFT EIA REPORT

FOR

Environmental Clearance for Jotpur, Katangpali & Chhelphora Dolomite Mining Projects

S.N	Name of Project Proponent	Number and date of Terms of reference	Land Khasra	Area of applied lease (Ha.)	Annual Production Capacity (TPA)	Address of Applied land	Cluster Area (Ha.)
1.	M/s Vinayak Minerals, Karta Anand Kumar Agrawal (HUF)	89/S.E.A.C.C.G./Mine/ 2753 Nawa Raipur Atal Nagar, Dated 03/04/2024	46/2, 57/1, 57/2, 57/3, 58/1, 58/2, 59/1, 59/2, 59/3, 61, 62/1, 62/2, 62/3, 63/1, 63/3, 73/2(k), 73/2(kh), 74/1, 74/2, 75/1, 75/2, 75/3, 76/1, 76/2, 76/3, 81, 82/2, 87/3(k), 87/3(gha), 87/3(dna) & 89	4.8016	1,20,000	Village – Jotpur, Tehsil-Sariya, District - Sarangarh-Bilaigarh, Chhattisgarh	48.6516
2.	M/s Shubh Minerals Private Limited (Director - Pratish Kumar Goyal)	TO24B0108CG5467360N Dated 11/09/2025	9/1Ka, 9/1Kha, 9/1Ga, 9/1Gha, 10/2Ka, 10/2Kha, 10/2Ga, 10/2Gha, 12/1, 12/2, 12/3, 17/1Ka, 17/2, 18/2 & 28/2	2.881	1,50,000	Village-Katangpali, Tehsil – Baramkela, District – Sarangarh-Bilaigarh	
3.	Shri Mangal Metal (Partner-Pratish Kumar Goyal)	TO24B0108CG5537674N Dated – 13/06/2025	214/1/ka, 214/1/kha, 214/1/ga, 214/1/da, 215, 240, 240/283, 241/1, 241/2, 241/3, 241/5, 241/6	1.927	1,14,160	Village-Chhelphora (Block-4), Tehsil – Baramkela , District – Sarangarh-Bilaigarh	
4.	M/s. Balaji Mines & Minerals Partner - Ankur Kumar Agrawal	TO24B0108CG5906677N , Dated – 03/11/2025	68/1, 68/3, 69/2, 70, 80, 84/1, 84/2Ka, 84/2Kha, 85/1, 85/3Ka, 87/3Kha, 90/1-91/1, 90/2-91/2, 92/1 92/2, 92/3, 92/4, 93/1Ka, 93/1Kha, 93/1ga, 93/1gha, 93/1da, 93/1chha, 93/1ja, 93/1jha, 93/2ka, 93/2gha, 93/3, 94/4, 94/5	4.26	Capacity Enhancement of production from 26,600.05 to 2,00,114	Village – Jotpur, Tehsil-Sariya, District - Sarangarh-Bilaigarh, Chhattisgarh	

Applicant Name Address

S.No	Name of Applicant	Address
1.	M/s Vinayak Minerals, Karta Anand Kumar Agrawal (HUF)	Durga Rice Mill, Bypass Road, Sangitarai, Raigarh, District-Raigarh, Chhattisgarh Pin code- 496001
2.	M/s Shubh Minerals Private Limited (Director - Pratish Kumar Goyal)	Goyal Automobile, Jindal Road, Jagatpur, P.O. & District-Raigarh(C.G.) 496001
3.	Shri Mangal Metal (Partner- Pratish Kumar Goyal)	Goyal Automobile, Jindal Road, Jagatpur, P.O. & District-Raigarh(C.G.) 496001
4.	M/s. Balaji Mines & Minerals Partner - Ankur Kumar Agrawal	R/o. - Office no. 01, ILLA MOLL Dhimrapur Chowk, Raigarh, District & Tehsil – Raigarh (Chhattisgarh) 496445

ENVIRONMENTAL CONSULTANT

ULTRA-TECH
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M/s. ULTRA-TECH
ENVIRONMENTAL LABORATORY AND CONSULTANCY

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Validity Upto - 18/10/2027

Executive Summary of Draft EIA Report of Jotpur Katangpali & Chhelphora Dolomite Mine at Village Jotpur, Katangpali&Chhelphora, Tehsil- Sariya, District-Bilaigarh, State- Chattishgarh.

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EXECUTIVE SUMMARY

1.0 Project Name and Location

This is cluster of existing as well as proposed mining projects of dolomite stone. 3 letter of intents are issued in favor of M/s. Vinayak Minerals Karta Anand Kumar Agrawal, Shubh Minerals Private Limited, M/s. Shri Mangal Metal Partner Pratish Kumar Goyal, by Under Secretary (Minerals Resources Department) Government of Chhattigarh and existing project of the is of M/s. Balaji Mine & Minerals Partner Ankur Kumar Agrawal by Collector Raigarh. All these projects are situated in village Jotpur, Katangapali & Chhelphora area, tehsil – Sariya & Baramkela, district- Sarangarh- Bilaigarh, state - Chhattisgarh. Details of four applicents are as follows –

SN	Name of Applicant	Mine Village	Type of Land	Khasra Details	Area (Ha)	LOI Number & Lease Deed	Mineral Type
1.	M/s Vinayak Minerals (Karta- Anand Kumar Agrawal HUF)	Jotpur	Private Land	46/2, 57/1, 57/2, 57/3, 58/1, 58/2, 59/1, 59/2, 59/3, 61, 62/1, 62/2, 62/3, 63/1, 63/3, 73/2(k), 73/2(kh), 74/1, 74/2, 75/1, 75/2, 75/3, 76/1, 76/2, 76/3, 81, 82/2, 87/3(k), 87/3(gha), 87/3(dna) & 89	4.8016	letter no. F3-7/ 2022 /12, Nawa Raipur, Date 11/04/2023.	Dolomite Stone
2.	M/s Shubh Minerals Private Limited (Director - Pratish Kumar Goyal)	Katangpali	Private Land	9/1Ka, 9/1Kha, 9/1Ga, 9/1Gha, 10/2Ka, 10/2Kha, 10/2Ga, 10/2Gha, 12/1, 12/2, 12/3, 17/1Ka, 17/2, 18/2 & 28/2	2.881	letter no. F3-18/ 2021 /12, Nawa Raipur, Date 07/04/2022.	Dolomite Stone
3.	Shri Mangal Metal (Partner- Pratish Kumar Goyal)	Chhelphora	Private Land	214/1/ka, 214/1/kha, 214/1/ga, 214/1/da, 215, 240, 240/283, 241/1, 241/2, 241/3, 241/5, 241/6	1.927	letter no. F3-13/ 2022 /12, Nawa Raipur, Date 04/10/2023	Dolomite Stone
4.	M/s Balaji Mines & Minerals (Partner – Ankur Kumar Agrawal)	Jotpur	Private Land	68/1, 68/3, 69/2, 70, 80, 84/1, 84/2Ka, 84/2Kha, 85/1, 85/3Ka, 87/3Kha, 90/1-91/1, 90/2-91/2, 92/1, 92/2, 92/3, 92/4, 93/1Ka, 93/1Kha, 93/1ga, 93/1gha, 93/1da, 93/1chha, 93/1ja, 93/1jha, 93/2ka, 93/2gha, 93/3, 94/4, 94/5	4.26	Lease executed for the period 23/02/2018 to 22/02/2068	Dolomite Stone

These mining project are categorised under Category "B1" Project or activity 1(a) as per EIA Notifications 2006 and its subsequent amendments and will be appraised at SEAC, Chattisgarh. The leases are individual project 4.8016 Ha, 2.881Ha, 1.927Ha & 4.26 Ha. area and jointly falling under cluster area of 13.8696 hect. As per EIA Notification dated 15th January 2016 and MoEF& CC OM vide letter no. L-11011/175/2018-IA-II (M) Dated 12.12.2018 and and NGT order dated 13th September 2018 all the area from 5 to 25 ha falling under category B2 will be considered as B1 including cluster situation and therefore it is B1 category project.

2.0 Production and Capacity

SN	Name of Applicant	Area (Ha)	Annual production Capacity in TPA
1.	M/s Vinayak Minerals (Karta- Anand Kumar Agrawal HUF)	4.8016	1,20,000 T
2.	M/s Shubh Minerals Private Limited (Director - Pratish Kumar Goyal)	2.881	1,50,000 T
3.	Shri Mangal Metal (Partner- Pratish Kumar Goyal)	1.927	1,14,160 T
4.	M/s Balaji Mines & Minerals (Partner – Ankur Kumar Agrawal)	4.26	Capacity Enhancement of production from 26,600.05 T to 2,00,114 T

3.0 Requirement of Land, Raw Material, Water, Power, Fuel with Source of supply.

- **Land Area:** The land area of M/s Vinayak Minerals (Karta- Anand Kumar Agrawal HUF) 4.8016 Ha, Shubh Minerals Private Limited (Director - Pratish Kumar Goyal) 2.881 Ha, M/s Shri Mangal Metal (Partner- Pratish Kumar Goyal) 1.927Ha & 4.26 Ha is land of M/s Balaji Mines & Minerals (Partner – Ankur Kumar Agrawal). The Total area of All 4 applied mines is 13.8696 Hectares.

- **Raw Material:** No raw material is required for the mining of Dolomite Stone.

- **Water:** The total water requirement shall be 30.50 KLD for Jotpur, Katangpali & Chhelphora Quarry will be used for domestic purposes (drinking & Sanitation), plantation and dust supprssion. The water will be collected from water Tanker, from jurisdictional Gram Panchayat through tankers and borewell if required.

- **Power:** No power is required for mining purpose except labour and admin building and Crusher Plant. Power will be sourced State electricity board. Electric power line is available in the lease area.

- **Fuel:** Fuel is to be used in form of diesel for mining operations and running of tractor and other transportation vehicles.
  Quantity for fuel will depend upon the usage of transportation vehicle, other machineries and level of achievement of estimated production. Diesel will be sourced from nearby diesel pumps.

4.0 Process Description in brief, specifically indication the gaseous emission, liquid effluent and solid/hazardous waste.

- **Gaseous emission:**

  1) Stationery sources: Nil

  2) Mobile sources: The emission of SOx and NOx may cause due to use of diesel operated tractors, excavator etc.

- **Liquid effluent:** only domestic effluent is expected to be generated which will be treated through septic tank followed by soak pits.

Solid Waste: No sub-grade/waste mineral will be generated from mine. All ROM mineral is useful and saleable in stone mines as building and construction material. Therefore no subgrade or reject mineral will be generated which requires their due disposal management plan.

- **Mine Waste –**

i) Top Soil

S.N.	Particular	M/s Vinayak Minerals (Karta- Anand Kumar Agrawal HUF)	Shubh Minerals Private Limited (Director - Pratish Kumar Goyal)	M/s Shri Mangal Metal (Partner- Pratish Kumar Goyal)	M/s Balaji Mines & Minerals (Partner – Ankur Kumar Agrawal)
1.	Thickness	0.15 m	0.50 m	-	0.25 m
2.	Quantity	3900 m^3	5774 m^3	Nil	5834 m^3
3.	Management Details	• 3612cum topsoil will be stacked over 4.50 m wide outer part of 1373.33 m long safety zone (mine boundary) with maximum 1 m height and 28 degree of slope and plantation will be done. • Rest of 288 cum topsoil will be stacked over 5600 sqm. area across the intact/unused non workable part of lease area	• 3493 cum topsoil will be stacked over 4.50 m wide outer part of 1333.33 m long safety zone (Mine boundary) with maximum 1 m height and 28 degree of slope and plantation will be done. • Rest of 2281 cum top soil will be preserved over unused / part of lease area.	• No topsoil generated from the mine area.	• 3963 cum topsoil will be stacked over 4.50 m wide outer part of 1506.67 m long safety zone (Mine boundary) with maximum 1 m height and 28 degree of slope and plantation will be done. • Rest of 1871 cum top soil will be preserved over unused part of lease area and later it will be used for plantation purpose

					within lease area.

ii) Overburden

SN	Name of the Applicant	Volume of overburden to be generate in cum	Waste Disposal Arrangements
1.	**M/s Vinayak Minerals (Karta- Anand Kumar Agrawal HUF)**	1,23,100	• Overburden will be used for development and maintenance of ramp of mine & crusher, haul road within lease area. • Overburden will be used for development of bund around the lease area and for land leveling at area proposed for installation of crusher plant. • Overburden will also be used as stemming material for blasting holes. • Rest of OB will be used for backfilling of mined-out pit during progressive mine closure. • OB if any left may also be stacked at unused part of lease area or may be transported after payment of applicable royalty under CG MMR 2015
2.	**Shubh Minerals Private Limited (Director - Pratish Kumar Goyal)**	28,873	
3.	**M/s Shri Mangal Metal (Partner- Pratish Kumar Goyal)**	63,552	
4.	**M/s Balaji Mines & Minerals (Partner – Ankur Kumar Agrawal)**	93,340	

5.0 Measures for mitigating the impact on the environment and mode of discharge or disposal.

- Before the mining activity the top soil will be scrapped and stored in the lease area, which will be utilized for plantation purpose.
- The dolomite stone excavated from the lease area will be completely selleable, resulting no dump with in the lease area.
- Due to semi-mechanized open cast method excavation & loading of minerals, the mining operation, emission from ordinary mines is very less. There will be least impact on the surrounding air quality and noise quality of the area.
- At the end of conceptual period the excavated quarry will converted into water reservoir to supply water for local use like irrigation and pisciculture besides improving the ground water potential.

6.0 Capital Cost of the Project, Estimated time of completion.

Total project cost of M/s Vinayak Minerals (Karta- Anand Kumar Agrawal HUF mine is the entire project will be 65.00 lakhs , Shubh Minerals Private Limited (Director - Pratish Kumar Goyal) mine

is the entire project will be 55.00 lakhs, M/s. Shri Mangal Metal (Partner- Pratish Kumar Goyal) mine is the entire project will be 28.00 lakhs and M/s Balaji Mines & Minerals (Partner – Ankur Kumar Agrawal) Mine is the entire project will be 85.00 lakhs and the estimated time of completion is up to 50 years from the grant of EC of this project and date of agreement for mining with government & work order to applicant.

7.0 Site selected for the project- Natural of land – Agricultural (Single/double crop), barren, Govt. /Private land status of is acquisition, nearby (in 2-3 km) water body, population, within 10 km other industries, forest. Eco-sensitive zones, accessibility.

- **Land Details:** The mining lease area of Jotpur, Katangapali & Chhelphora dolomite mine covers an area of 13.8696 Ha.
- **Water Body:** The nearest water body is Mahanadi river flows at a distance of 2.25 km from the mining area.
- **Eco-sensitive zones:** There is no National Park or wild life sanctuary within 10 Km surrounding from the project site.
- **Forest Land:** Gomarda Wildlife Sanctuary is approximately 10.102 km. away.
- **Industries within 10 Km:** None within 10 km.
- **Population:** According to recent censes (2011) Population of study area is (10 Km radius from project site) 1,12,233 in 29,623 households. Male population is 56,605 and female population is 55,628. Highest population in study area is in Chandrapur (NP) (7,688).

Accessibility:

1. Nearest Railway Station which is approximately 28.00 km away from the project site.
2. Nearest bus stand is Jotpur Bus Stand which is 1.00 km away from the project site.
3. Nearest Highway is Sarangarh-Raigarh highway which is 7.30 km away from the project site.

8.0 Baseline environmental data – air quality, surface and ground water quality, soil characteristic, flora and fauna, socio-economic condition, of the nearby population.

Parameters	Number of Location	Particulars		
Analysis of Air quality Station	12 Air quality Analysis	PM_{10}	–	42 to 71 µg/m3.
		$PM_{2.5}$	–	14 to 33 µg/m3.
		SO_2	–	6 to 15 µg/m3.
		NO_x	–	12 to 19 µg/m3.
		CO	–	0.5 to 1.3 µg/m3.

		SiO_2	– 0.02 to 0.06 µg/m3.
Noise Level Analysis	12 Noise quality Analysis	Day Time Noise Level Night Time Noise Level	– 52 to 59.2 dB(A) – 43.9 to 49 dB(A)
Ground Water Analysis	4 ground water quality Analysis	PH Total Dissolved Solids Total Hardness Chlorides Sulphates	– 7.2 to 7.8 – 397 to 547 mg/L – 268 to 340 mg/L – 55 to 91 mg/L – 57 to 73 mg/L
Surface Water Analysis	3 Surface water quality Analysis	PH Dissolved Oxygen Total Dissolved Solids Chlorides Sulphates Total Hardness	– 7.6 to 7.8 – 5.7 to 6.2 mg/L – 364 to 587 mg/L – 91 to 121 mg/L – 45 to 77 mg/L – 208 to 316 mg/L
Soil Analysis	10 Soil quality Analysis	PH Nitrogen Phosphorus Potassium	– 7.2 to 7.9 – 162 to 194 kg/ha – 47 to 90 kg/ha – 402 to 493 kg/ha

Flora: Core area Project site (A) includes very less vegetation which are sparsely within cluster area (core zone). Tree species commonly seen in the core zone are *Acacia nilotica* (Babool), *Butea monosperma* (Palash), *Pithecellobium dulce* (Vilayatichinch), While Shrubs like *Calotropis-gigantea* (Aak), *Lantana camara* (Ganeri) & *Ricinus communis* (Castor) etc. Herbs *Argemone mexicana* (Satynasi), *Hyptis suaveolens* (Natitulasi), *Sphaeranthusindicus* (Gorakhmundi) & *Datura metel* (Daturo), are dominant in study area. During survey no end angered and end emic fauna or flora were found in core zone.

Fauna: Mammals like *Canis lupus familiaris* (Dog) and *Funambulus pennantii* (Squirrel) were observed within project site (core zone). In avifauna commonly observed local bird species as *Corvus splendens* (House crow) and *Merops orientalis* (Greenbeeeater) were found in the core zone.

SOCIO ECONOMIC - According to recent censes (2011) Population of study area is (10 Km radius from project site) 1,12,233. Working population of the study area is 51,426 whereas Non-working

population is study area is 60,807 which also includes population of below 15 years age and population which are not willing to any work and population after retirement age are also included in this category. Working male are 32,722 and 18,704 are female in population whereas 23,883 male & 36,924 female are non –working.

	Total Village	Total Population	Working Population		Non Working Population		SC Population		ST Population	
			Male	Female	Male	Female	Male	Female	Male	Female
Total	119	1,12,233	32,722	18,704	23,883	36,924	8,883	8,788	11,974	12,091

9.0 Identification of hazardous in handling processing and storage of hazardous material and safety system provided to mitigate the risk

There is not any hazardous material involved in this process as it is Dolomite stone mining project. The construction materials (during operational and during mining phase) to be handled, stored and used are mostly of non-hazardous type.

10.0 Likely impact of the project on Air, Water, Land, Flora-fauna nearby population.-

SN	Components	Potential Sources of pollution	Magnitude of pollution	Control Measures	Responsibility	Time frame	Monitoring
1	**Air**	- Movement of Vehicles - Excavation - Blasting - Loading & Unloading - Transport of Stone/OB	High	- Mobile Sprinklers - Wet Drilling with sharp drill bits - Plantation - Periodic Maintenance of vehicles - PUC certified vehicles - Barricades which acts as the dust barriers. - Parking provision and proper traffic arrangement	EMP Cell	6 month	Twice a week
2	**Noise & Vibration**	- Blasting & Vibration - Movement of vehicle - Machinery Operation	Moderate	- Plantation - Controlled Blasting & use of Noneal - Avoide Secondary Blasting by using rock breaker - PPE kit for workers - Enclosures for equipment (Crusher if any) - Barricades which acts as the noise barriers. - Maintenance of Ramp & Haul Road - Periodic Maintenance of vehicles - lubrication, muffling and modernization - No noise polluting work at night hours	EMP Cell	6 month	Once a month
3	**Water**	- Mine	High	- Garland drains.	EMP	12	Once in a

		Drainage - Domestic sewage - Oil Spills		- Temporary toilets with Septic Tank & Soak Pit. - No wastewater will be discharged into the water body. - Prevention of spillage of oil from machine & equipment.	Cell	month	quarter
4	**Soil**	- Top Soil Quality	Moderate	- Mobile Sprinklers. - Wet Drilling. - Plantation. - Controlled Blasting.	EMP Cell	6 month	Once in a year
5	**Solid Waste**	- OB Dump - Domestic Solid	Moderate	- Reclamation Plan - OB Management - Transport of OB on payment of Royalty - Settling Tank	EMP Cell	Life of mine	Once a month
6	**Land Use**	- Change in land use	High	- Reclamation Plan - Precautions will be taken for the avoidance of spillage of oil, diesel etc. from vehicles and equipment	EMP Cell	Life of mine	At conseptu al stage
7	**Ecology & Biodiversity**	- Vehicle Movement - Change in land use	Moderate	- Plantation - Construction of boundary / fencing - Educating locals	EMP Cell	6 month	Once in a month
8	**Risk & Hazard**	- Inundation - Slope failure - Blasting - Fire	High	- Mine Sump development - Pumps for dewatering and settling tank - Dump slope stabilization - Garland drains - Fire extinguisher	EMP Cell	12 month	Once in a month
9	**Socio-Economic**	- Loss of Agriculture land - Blasting - Reduction/loss of water availability - Effect on health due to mining activities	High	- Local population will be employed - Wet Drilling, - Mobile Sprinklers, - Controlled Blasting - Public Hearing Compliances - CER - First Aid & Periodic Medical Checkup	EMP Cell	12 month	Once in a year

11.0 Emergency preparedness plan in case of natural or in plant emergencies-

Impact of disaster can be significantly reduced through attempts at preparedness, mitigation, and post-event rehabilitation work. Based on hazard identification in the proposed project, an emergency plan has been prepared and the same plan will be implemented by the project implementing agency with the coordination of District Authorities to minimize the damage.

12.0 Issues raised during public hearing-

Not yet to be done.

13.0 CSR/CER plan

As per para 3 & 6 of MOEF office memorandum number F. No. 22-65/2017-IA.III dated 01/05/2018 and 30/09/2020 CER is included in EMP which is applicable for B1 projects in place of CSR.

During the production, the mine owner will pay royalty and contribute 30-35% of it as DMF & cess to the state government. State government will utilize the DMF funds for Corporate Social Responsibility (CSR) activities in the affected region, prioritizing the needs of local people and regional development.

The proposal for CER is given below-

S.N	Name of Applicant	Present estimated market value of land nearby applied area based on Central Valuation Board, Chhattisgarh	Cost of Office & Rest Huts with toilet	Cost of Machineries and Equipment	Miscellaneous cost	Total Project Cost (in Lacs)	Percentage of Capital Investment to be spent	Amount required for CER (in Rs.)
1.	M/s Vinayak Minerals (Karta-Anand Kumar Agrawal HUF)	28.00	2.00	25.00	10.00	65.00	2%	1,30,000/-
2.	M/s. Shubh Minerals Private Limited (Director - Pratish Kumar Goyal)	20.00	10.00	30.00	5.00	65.00	2%	1,30,000,/-
3.	Shri Mangal Metal (Partner-Pratish Kumar Goyal)	15.0	3.00	5.00	5.00	28.00	2%	56,000/-
4.	M/s Balaji Mines & Minerals (Partner – Ankur Kumar Agrawal)	40.00	5.00	30.00	10.00	85.00	2%	1,70,000/-
					Total	**243.00**	**-**	**4,86,000/-**

14.0 Occupational Health Measures-

Occupational safety and health is very closely related to productivity and good employer-employee relationship. The factors of occupational health in mining of Dolomite Stone mining project are mainly dust and land degradation. Safety of employees during operation and maintenance etc. shall be as per Mines rules and regulations.

Occupational hazards involved in mines are related to dust pollution, noise pollution and injuries from equipment and fall from high places. DGMS has given necessary guidelines for safety against these occupational hazards. The management will strictly follow these guidelines.

15.0 Post Project monitoring plan-

Post-project environmental monitoring is a complex system of observations, assessment and forecast of changes in the state of the environment under the influence of anthropogenic factors, monitoring is an information system of observations with an optimal number of parameters for assessing and forecasting changes.