



सत्यमेव जयते

File No: OL/REAPP\_TOR/MIN/BILASPUR/3931

Government of India

Ministry of Environment, Forest and Climate Change

(Issued by the State Environment Impact Assessment Authority (SEIAA),  
CHHATTISGARH)

\*\*\*



Dated: 24/12/2025



To,

Mrs. Parvati Agrawal  
M/s Murarilal Kedarmal Hardi Dolomite Mine  
Village - Hardi, Tehsil - Bilha, District - Bilaspur, Chhattisgarh  
ec.parvati23@gmail.com

**Subject:** Grant of Terms of Reference with Public Hearing for mining of Dolomite (Minor Minerals) capacity - from 14,950 TPA to 92,006.15 TPA in Kharsa No. 41 (Part), area - 6.056 Ha. of Village - Hardi, Tehsil - Bilha, District - Bilaspur, Chhattisgarh under the provision 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 M/s. Murarilal Kedarmal, Prop. Parvati Bai Agrawal submitted to Ministry vide proposal number SIA/CG/MIN/505890/2024 dated 15/11/2024.

2. The particulars of the proposal are as below:

(i) TOR Identification No.	TO24B0108CG5285966N
(ii) File No.	OL/REAPP_TOR/MIN/BILASPUR/3931
(iii) Clearance Type	TOR
(iv) Category	B1
(v) Project/Activity Included Schedule No.	1(a) Mining of minerals
(vii) Name of Project	M/s. Murarilal Kedarmal, Prop. Parvati Bai Agrawal
(viii) Name of Company/Organization	PARVATI AGRAWAL
(ix) Location of Project (District, State)	BILASPUR, CHHATTISGARH
(x) Issuing Authority	SEIAA
(xi) Applicability of General Conditions	no
(xii) 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 Ministry for an appraisal by the State Level Expert Appraisal Committee (SEAC) in the Ministry 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) in the meeting held on 16/09/2025. The minutes of the meeting and all the Application and documents submitted 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 and B) presented are annexed to this EC as Annexure (1).
6. The SEAC, in its meeting held on 01/05/2025, 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 has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the SEAC and hereby decided to grant Terms of Reference for instant proposal under the provisions of EIA Notification, 2006 and as amended thereof.
8. The Ministry 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.

#### **Copy To**

<b>S.No.</b>	<b>Address</b>
1	Director, Ministry of Environment, Forest and Climate Change, Prithvi Wing, 2nd Floor, Indira Paryavaran Bhawan, Jorbagh Road, New Delhi - 100003
2	Integrated Regional Office RAIPUR, MoEF&CC , Govt. of India , Ground Floor, Aranya Bhawan, North Block, Sector- 19,Naya Raipur, Atal Nagar, Chhattisgarh – 492002
3	Director, Directorate of Geology and Mining, Chhattisgarh, Indravati Bhavan, Block-4, Second Floor, Nawa Raipur Atal Nagar, Chhattisgarh India
4	Member Secretary, Chhattisgarh Environment Conservation Board, Paryavas Bhawan, Sector-19, Nava Raipur Atal Nagar, District-Raipur (Chhattisgarh)
5	Member Secretary, Central Ground Water Board, West Block-2, Wing-3, Ground Floor, Sector-1, R.K.Puram, New Delhi - 110066
6	Collector, Office of the Collector, Bilaspur, District- Bilaspur (C.G.) for information and necessary action.
7	Regional Officer, Regional Office, Chhattisgarh Environment Conservation Board, Bilaspur for information and necessary action.

**Annexure 1**

#### **Specific Terms of Reference s for (Mining Of Minerals)**

##### **1. Special Conditions**

S. No	Terms of Reference
1.1	<p>1. In compliance of the MoEF&amp;CC OM dated 08.06.2022, Project Proponent shall submit Certified Compliance Report (CCR) from Integrated Regional Office, MoEF&amp;CC Nava Raipur. In case of CCR not issued within 3 months from the application to the IRO, the project proponent shall approach concerned Regional Offices of Central Pollution Control Board (CPCB) or MS of respective State Pollution Control Boards (SPCB) or State Pollution Control Committees (SPCCs) for the same.</p> <p>2. Project proponent shall obtain comments from Chhattisgarh Environment Conservation Board in compliance of the Office Memorandum issued by MoEF&amp;CC dated 14.01.2025 and Submit with Final EIA Report.</p>

**Standard Terms of Reference for (Mining of minerals)**

**1.**

S. No	Terms of Reference
1.1	<p><b>Additional Terms of References:</b></p> <ol style="list-style-type: none"> <li>1. The project proponent has to submit Forest NOC from DFO in the name of the project proponent, mentioning the distance of the lease area from the nearest forest boundary, National Park and Wild Life Sanctuary.</li> <li>2. Project proponent shall submit the Individual Environment Management Plan and Common Environment Management Plan.</li> <li>3. Project Proponent shall submit an undertaking that the top soil &amp; over burden would be stacked at the earmarked place and shall use the same in plantation and backfilling of the mined out area.</li> <li>4. The PP shall install the measuring instrument for consumption of water and maintain logbook for it.</li> <li>5. The PP shall complete the Chain Link fencing &amp; Green Belt all around the applied lease area, Construction of Boundary Pillars and submit the Geo tag Photograph of it.</li> <li>6. Project proponent shall submit the details of monitoring equipments along with its specification.</li> <li>7. Project proponent shall monitor as per the Methodology issued by MoEF&amp;CC.</li> <li>8. Project proponent shall submit Information about plantation including numbering and Geotag photographs mentioning their name and species in the plants to be planted.</li> <li>9. Project proponent shall submit the information regarding the quantity of top soil and fly ash in the backfill after certified by the Mining Department.</li> <li>10. Project Proponent should be submitted an affidavit regarding the submission of information about the works scheduled under Geotag along with photographs in the half-yearly report.</li> <li>11. Project proponent shall submit an affidavit for commitment of assurance to the public (Objections/suggestions raised by public) during Public Hearing.</li> <li>12. Project proponent shall ensure that mining lease area to be demarcated by erection of boundary pillars at all corner and area to be fenced with Chain Link.</li> </ol>

S. No	Terms of Reference
	<p>13. EIA study shall be done at minimum 08 no. of stations for data collection considering the pre-dominant wind direction.</p> <p>14. Project proponent shall submit the copy of panchnama and photographs of every monitoring station.</p> <p>15. Project proponent shall submit a Cumulative Environment Impact Assessment Study (Air, Water, Noise, Soil, Traffic etc) of the mines located in the nearby area and Ecology of the buffer zone of study area and shall incorporate the same in the EIA report.</p> <p>16. Project proponent shall submit an affidavit stating that no harm, no damage and no contamination shall be committed to nearby water bodies. Nearby water tanks, rivers &amp; nalla shall be protected.</p> <p>17. The project proponent shall submit an undertaking that there is no court case pending relating to this project before any Court of Law in India.</p> <p>18. The project proponent shall submit an undertaking in the form of an affidavit stating that there is no violation of Notification S.O. 804(E) dated 14/03/2017 issued by Ministry of Environment, Forest and Climate Change, Government of India and the direction given by Hon'ble Supreme Court of India in the matter of Common Cause vs Union of India order dated 02.08.2017.</p> <p>19. Project proponent shall submit the DPR (Detailed Project Report) and undertake plantation &amp; incorporate in the EIA report.</p> <p>20. Project proponent shall submit the DPR (Detailed Project Report) of 5 years &amp; undertake plantation (as far as possible tree species) within the mining lease area as per guidelines issued from time to time and particularly in the 7.5 meter safety zone area of minimum 05 feet height healthy plants and shall maintain minimum 90% survival rate. The plantation shall be maintained by project proponent for atleast 5 years. Project proponent shall submit half yearly reports regarding compliance to the Authority. The details to be submitted alongwith Geotag photographs in the EIA report.</p> <p>21. Project proponent shall submit DPR (Detailed Project Report) of CER proposals with details of works along with their estimates including land cost and incorporating the plant cost, fertilizer cost, irrigation cost and maintenance cost for atleast 5 years &amp; incorporate in the EIA report.</p> <p>22. Project proponent shall obtain the permission from DGMS (Explosive License Holder) for controlled blasting &amp; incorporate the permission in the EIA report.</p> <p><b>Standard Term of References:</b></p> <ol style="list-style-type: none"> <li>1. An EIA-EMP Report shall be prepared for peak capacity 92,006.15 TPA operation in an ML/project area of 6.052 Ha. based on the generic structure specified in Appendix III of the EIA Notification, 2006.</li> <li>2. An EIA-EMP Report would be prepared for peak capacity operation to cover the impacts and environment management plan for the project specific activities on the environment of the region, and the environmental quality encompassing air, water, land, biotic community, etc. through collection of data and information, generation of data on impacts including prediction modeling for 92,006.15 TPA of production based on approved Mining Plan. Baseline data collection can be for any season (three months) except monsoon.</li> <li>3. Proper KML file with pin drop and coordinate of mine at 500-1000 m interval be provided.</li> <li>4. A Study area map of the core zone (project area) and 10 km area of the buffer zone (1: 50,000</li> </ol>

S. No	Terms of Reference
	<p>scale) clearly delineating the major topographical features such as the land use, surface drainage pattern including rivers/ streams/ nallas/ canals, locations of human habitations and other polluting sources. In case of ecologically sensitive areas such as Biosphere Reserves/National Parks/WL Sanctuaries/ Elephant Reserves, forests (Reserved/ Protected), migratory corridors of fauna, and areas where endangered fauna and plants of medicinal and economic importance found in the 10 km study area should be given. The above details to be furnished in tabular form also.</p> <ol style="list-style-type: none"> <li>5. Map showing the core zone delineating the agricultural land (irrigated and un-irrigated, uncultivable land as defined in the revenue records, forest areas (as per records), along with other physical features such as water bodies, etc should be furnished.</li> <li>6. A contour map showing the area drainage of the core zone and 10 km of the study area (where the water courses of the core zone ultimately join the major rivers/streams outside the lease/project area) should also be clearly indicated in the separate map.</li> <li>7. Catchment area with its drainage map of 10 km area within and outside the mine shall be provided with names, details of rivers/ riverlet system and its respective order. The map should clearly indicate drainage pattern of the catchment area with basin of major rivers. Diversion of drains/ river needs elaboration in form of length, quantity and quality of water to be diverted.</li> <li>8. Details of mineral reserves, geological status of the study area and the seams to be worked, ultimate working depth and progressive stage-wise working scheme until the end of mine life should be provided on the basis of the approved rated capacity and calendar plans of production from the approved Mining Plan. Geological maps and sections should be included. The Progressive mine development and Conceptual Final Mine Closure Plan should also be shown in figures. Details of mine plan and mine closure plan approval of Competent Authority should be furnished for green field and expansion projects.</li> <li>9. Details of mining methods, technology, equipment to be used, etc., rationale for selection of specified technology and equipment proposed to be used vis-à-vis the potential impacts should be provided.</li> <li>10. Impact of mining on hydrology, modification of natural drainage, diversion and channeling of the existing rivers/water courses flowing though the ML and adjoining the lease/project and the impact on the existing users and impacts of mining operations thereon.</li> <li>11. A detailed Site plan of the mine showing the proposed break-up of the land for mining operations such as the quarry area, OB dumps, green belt, safety zone, undisturbed area -if any, and landscape features such as existing roads, drains/natural water bodies to be left undisturbed along with any natural drainage adjoining the lease/project areas, and modification of thereof in terms of construction of embankments/bunds, proposed diversion/ rechanneling of the water courses, etc., approach roads, major haul roads, etc should be indicated.</li> <li>12. Study on the existing flora and fauna in the study area (10km) should be carried out by an institution of relevant discipline. The list of flora and fauna duly authenticated separately for the core and study area and a statement clearly specifying whether the study area forms a part of the migratory corridor of any endangered fauna should be given. If the study area has endangered flora and fauna, or if the area is occasionally visited or used as a habitat by Schedule-I species, or if the project falls within 10 km of an ecologically sensitive area, or used as a migratory corridor then a Comprehensive Conservation Plan along with the appropriate budgetary provision should be prepared and submitted with EIA-EMP Report; and comments/observation from the CWLW of the State Govt. should also be obtained and furnished.</li> </ol>

S. No	Terms of Reference
	<p>13. One-season (other than monsoon) primary baseline data on environmental quality - air (PM10, PM2.5, SOx, NOx and heavy metals such as Hg, Pb, Cr, As, etc), noise, water (surface and groundwater), soil - along with one-season met data coinciding with the same season for AAQ collection period should be provided. The detail of NABL/ MoEF&amp;CC certification of the respective laboratory and NABET accreditation of the consultant to be provided.</p> <p>14. Map (1: 50, 000 scale) of the study area (core and buffer zone) showing the location of various sampling stations superimposed with location of habitats, other industries/mines, polluting sources, should be provided. The number and location of the sampling stations in both core and buffer zones should be selected on the basis of size of lease/project area, the proposed impacts in the downwind (air)/downstream (surface water)/groundwater regime (based on flow). One station should be in the upwind/upstream/non-impact/non-polluting area as a control station. The monitoring should be as per CPCB guidelines and parameters for water testing for both ground water and surface water as per ISI standards and CPCB classification wherever applicable. Observed values should be provided along with the specified standards.</p> <p>15. For proper baseline air quality assessment, Wind rose pattern in the area should be reviewed and accordingly location of AAMSQ shall be planned by the collection of air quality data by adequate monitoring stations in the downwind areas. Monitoring location for collecting baseline data should cover overall the 10 km buffer zone i.e. dispersed in 10 km buffer area. In case of expansion, the displayed data of CAAQMS and its comparison with the monitoring data to be provided.</p> <p>16. A detailed traffic study along with presence of habitation in 100 mts distance from both side of road, the impact on the air quality with its proper measures and plan of action with timeline for widening of road. The project will increase the no. of vehicle along the road which will indirectly contribute to carbon emission so what will be the compensatory action plan should be clearly spell out in EIA/ EMP report.</p> <p>17. The socio-economic study to be conducted with actual survey report and a comparative assessment to be provided from the census data should be provided in EIA/ EMP report also occupational status &amp; economic status of the study area and what economically project will contribute should be clearly mention.</p> <p>18. The Ecology and biodiversity study should also indicate the likely impact of change in forest area for surface infrastructural development or mining activity in relation to the climate change of that area and what will be the compensatory measure to be adopted by PP to minimize the impact of forest diversion.</p> <p>19. Baseline data on the health of the population in the impact zone and measures for occupational health and safety of the personnel and manpower for the mine should be submitted.</p> <p>20. Impact of proposed project/activity on hydrological regime of the area shall be assessed and report be submitted.</p> <p>21. Impact of mining and water abstraction from the mine on the hydrogeology and groundwater regime within the core zone and 10 km buffer zone including long-term monitoring measures should be provided. Details of rainwater harvesting and measures for recharge of groundwater should be reflected in case there is a declining trend of groundwater availability and/or if the area falls within dark/grey zone.</p> <p>22. Study on land subsidence including modeling for prediction, mitigation/prevention of subsidence, continuous monitoring measures, and safety issues should be carried out.</p> <p>23. PP shall submit design details of all Air Pollution control equipment (APCEs) to be</p>

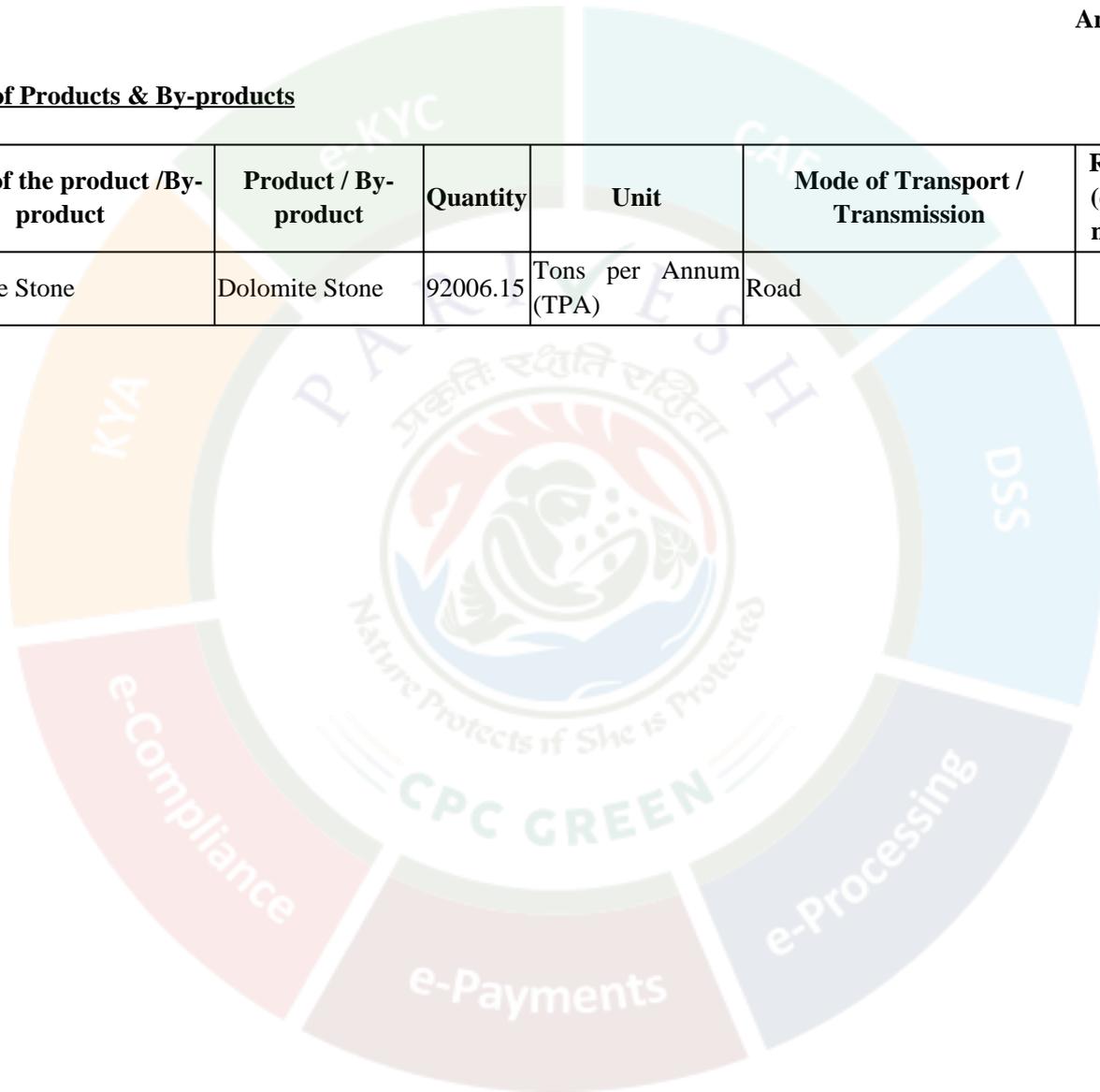
S. No	Terms of Reference
	<p>implemented as part of Environment Management Plan vis-à-vis reduction in concentration of emission for each APCEs</p> <p>24. Site specific Impact assessment with its mitigation measures, Risk Assessment and Disaster Preparedness and Management Plan should be provided.</p> <p>25. Impact of choice of mining method, technology, selected use of machinery and impact on air quality, mineral transportation, etc, Impact of blasting, noise and vibrations should be provided.</p> <p>26. Impacts of mineral transportation within the mining area and outside the lease/ project along with flow-chart indicating the specific areas generating fugitive emissions should be provided. Impacts of transportation, handling, transfer of mineral and waste on air quality etc, management plan for maintenance of HEMM and other machinery/equipment should be given. Details of various facilities such as rest areas for workers should also be provided.</p> <p>27. The number and efficiency of mobile/static water sprinkling system along the main mineral transportation road inside the mine, approach roads to the mine and also the frequency of their use in impacting air quality should be provided.</p> <p>28. Conceptual Final Mine Closure Plan and post mining land use and restoration of land/habitat to the pre- mining status should be provided. A Plan for the ecological restoration of the mined out area and post mining land use should be prepared with detailed cost provisions. Impact and management of wastes and issues of re-handling (wherever applicable) and backfilling and progressive mine closure and reclamation should be furnished.</p> <p>29. Cost of EMP (capital and recurring) should be included in the project cost and for progressive and final mine closure plan.</p> <p>30. Corporate Environment Responsibility:</p> <p>31. a) The Company must have a well laid down Environment Policy approved by the Board of Directors.</p> <p>32. b) Environment Management Cell and its responsibilities to be clearly spell out in EIA/ EMP report</p> <p>33. Status of any litigations/ court cases filed/pending on the project should be provided.</p> <p>34. PP shall submit clarification from PCCF that mine does not falls under corridors of any National Park and Wildlife Sanctuary with certified map showing distance of nearest sanctuary.</p> <p>35. In case of expansion of the proposal, the status of the work done as per mining plan and approved mine closure plan shall be detailed in EIA/ EMP report</p> <p>36. Details on Public Hearing should cover the information relating to notices issued in the newspaper, proceedings/minutes of Public Hearing, the points raised by the general public and commitments made by the proponent and the time bound action proposed with budgets in suitable time frame. These details should be presented in a tabular form. If the Public Hearing is in the regional language, an authenticated English Translation of the same should be provided.</p> <p>37. PP shall carry out survey through drone highlighting the ground reality for atleast 10 minutes</p> <p>38. Detailed Chronology of the project starting from the first lease deed allotted/Block allotment/ Land acquired to its No. of renewals, CTO /CTE with details of no. renewals, previous EC(s) granted details and its compliance details, NOC details from various Govt. bodies like Forest NOC(s), CGWA permissions, Power permissions, etc as per the requisites respectively to be furnished in tabular form.</p>

S. No	Terms of Reference
	<p>39. The first page of the EIA/ EMP report must mention the peak capacity production, area, detail of PP, Consultant (NABET accreditation) and Laboratory (NABL / MoEF &amp; CC certification)</p> <p>40. The compliances of ToR must be properly cited with respective chapter section and page no in tabular form and also mention sequence of the respective ToR complied within the EIA-EMP report in all the chapter's section.</p>

## 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)
Dolomite Stone	Dolomite Stone	92006.15	Tons per Annum (TPA)	Road	



**M/s Murarilal Kedarmal  
Hardi Dolomite Mine  
(Proprietor - Mrs. Parvati Agrawal),  
Village - Hardi, Tehsil - Bilha,  
District - Bilaspur  
(File No. – 3931)**

Subject	Details related to the applied case		
Online Application	ToR Proposal no. - 505890 Applied Date – 15/11/2024		
Nature of Project	Existing (Expansion)		
Type Of Mine	Dolomite (Minor Minerals)		
Applied Area (Ha.) & Capacity (TPA)	6.056 Ha. & from 14,950 TPA to 92,006.15 TPA		
Khasra no.	41 (Part)		
Land	Government		
Details of Meeting	Intimation Email for Presentation Date : 09/02/2025 566th Meeting Dated 12/02/2025		
Representatives present for presentation	Mr. Yogesh Agrawal & Deepak Bhutda, Authorized Representatives Consent of Authorized Representatives - Submitted		
Details of Old EC	Type of Mine – Dolomite (Minor Minerals) Khasra number – 41/1 Area – 6.056 Ha. Capacity – 14,950 Tonne Date – 07/08/2012 Validity period – Validity Up to Lease Period (11/03/2047) Issued by SEIAA, C.G.		
Compliance Report of Old EC	Submitted : Yes		
Past Production certified by the Mineral Department (Year wise)	Date : 17/08/2023, By Dy. Director, Bilaspur		
	Year	Production According to mining plan (in Ton)	Production (in Ton)
	2013-14	14950	14,770
	2014-15	14950	14,950
	2015-16	14950	Nil

	2016-17	14950	14,950
	2017-18	14950	Nil
	2018-19	14950	Nil
	2019-20	14950	Nil
	2020-21	14950	Nil
	2021-22	14950	Nil
	2022-23	14950	Nil
Gram Panchayat NOC	Village - Hardi Date : 23/08/2012		
Approved Mining Plan	08/08/2019, by Joint Director, DGM New Raipur		
500 meter	Date : 05/01/2024 No. of other mines – 12, Area – 167.63 Ha. Total No. of mines in cluster – 13, Area – 173.683 Ha.		
200 meter	Date : 27/12/2023 Road & Canal is located at a distance of 170 meter Other Restricted Area – No		
Lease Deed	Name of Lease holder - M/s Murarila Kedarmal, Proprietor - Mrs. Parvati Agrawal Date - 12/03/1997 to 11/03/2047 Validity Period – 50 Years		
Forest Department NOC	Not Submitted		
Nearest Habitation/Structure	Village - Hardi 400 meter School - Hardi 810 meter Hospital - Bilha 4 km National Highway – 450 meter State Highway – 29.50 meter River - Maniyari 4.55 km PMGSY - 500 meter Pond – 340 meter Canal - 170 meter		
Ecology/Biodiversity Area	No Inter-state border, national park, sanctuary, critically polluted area declared by the Central Pollution Control Board, ecologically sensitive area or declared biodiversity area located within its 5 km perimeter.		
Mining Details	Mining Method - Opencast Semi Mechanized Drilling and Blasting – Yes According to mining Plan Reserves Geological Reserves – 34,26,669 Tonne Minable Reserves – 9,45,517 Tonne Proposed Depth – 30 Meter Bench Height – 3 Meter		

	<p>Bench width - 3 Meter  Life of Mine – 29 Years  Crusher – NA  Year Wise Proposed Production Detail –  1st Year – 92,006.15 Tonne  2nd Year – 92,006.15 Tonne</p>
Restricted Area for Mine (Mine Safety Area)	<p>Area of 7.5 m wide safety zone - 14980 Sqm  Excavated – No</p>
Top Soil / Over Burden Management Plan	<p>No Top Soil / Over Burden will be generated from the mine.</p>
Water Requirement	<p>Quantity - 9.5 KLD  Source – Bore well  NOC from the concerned Department / Branch - CGWA</p>
Plantation Work	<p>Total Plantation Possible over available land - 2988 nos.  As per terms of EC number of saplings already planted – 1200 nos.  Plantation to be planted in re-new EC - 1788 nos.</p>
Category	<p>B1  The total area including the applied mine is 173.683 Ha.</p>
Total Project Cost	<p>Rs. 63.50 Lakh</p>
Intimation Letter for Data Collection	<p>Mines of M/s Inderjit Singh Chawla, M/s Dwarika Prasad Gupta etc. are also located in the 500 meter cluster area of the mine applied for by me. Baseline data has been collected by all the leaseholders present in the cluster area by giving information to your office through M/s Govind Agrawal.</p> <p>The work of base line data collection has been started from 18 October 2023. Therefore, on the basis of the data collected as above, joint EIA was conducted for my case along with other applicants present in the cluster. It will be prepared and submitted for public hearing. Please accept the above fact and issue appropriate guidelines in the Terms of Reference.</p> <p>Intimation Letter to SEAC for Base Line Data Collection submitted on dated 19.10.2023</p>