

The 542<sup>nd</sup> meeting of the State Expert Appraisal Committee (SEAC) was held on 21<sup>th</sup> January, 2022 under the Chairmanship of Dr. Praveen Chandra Dubey for the projects / issues received from SEIAA. The following members attended the meeting in person or through video conferencing –

1. Shri Raghvendra Shrivastava, Member.
2. Prof. (Dr.) Rubina Chaudhary, Member
3. Dr. A. K. Sharma, Member.
4. Prof. Anil Prakash, Member.
5. Prof. (Dr.) Alok Mittal, Member
6. Dr. Jai Prakash Shukla, Member.
7. Dr. Ravi Bihari Srivastava, Member.
8. Shri A.A. Mishra, Member Secretary.

The Chairman welcomed all the members of the Committee and thereafter agenda items were taken up for deliberations.

1. **Case No 8170/2021 M/s. Rabela Traders & Finance Pvt. Ltd, Plot No. 1, Industrial Area, Dhonga, Dist. Tikamgarh, MP – 472001 rior Environment Clearance for Pyrophyllite & Diaspore Quarry in an area of 10.834 ha. (Expansion from Pyrophyllite 10,000 MTPA & Diaspore Quarry 400 MTPA to 50,000 MTPA) (Khasra No. 476, 477), Village - Markhera, Tehsil - Mohangarh, Dist. Tikamgarh (MP). Env. Consult.: M/s. Creative Enviro Services, Bhopal.**

This is case of Pyrophyllite & Diaspore Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 476, 477), Village - Markhera, Tehsil - Mohangarh, Dist. Tikamgarh (MP) 10.834 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Collector Office letter no. 36 dated: 31/08/2016 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 11.834 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 482<sup>nd</sup> SEAC dated 17/02/2021 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

In this meeting the EIA was presented by Env. Consultant Shri Mukesh Kaore from M/s. Creative Enviro Services, Bhopal and their representatives on behalf of PP, on behalf of PP. During presentation wherein PP submitted that it's a case of expansion from Pyrophyllite 10,000 MTPA & Diaspore Quarry 400 MTPA to 50,000 MTPA. It was observed as per Google image based on coordinates provided by PP the lease is located on the hillock, and pucca roads are existed in the SW side – adjacent to the lease & 36m in the north – west- 20 m and of the lease, kachha road is adjoining the lease from south to east side of the lease, natural drain is existed at a distance of 100m in the north-west & north -east side of the lease. PP submitted following salient features of the project:

- Topographically it has a hilly topography. The lease area is having typical Bundelkhand topography with linear cliff isolated mounds where the area is covered by the vein type of Deposits. The highest elevation is 358 m on the top of the hillock in the western direction and the lowest elevation is 318 m
- Mining operations of fully mechanized opencast mining method. All operation of mining will be done by development of heavy earth moving machineries for excavation, drilling, blasting, loading & transportation on single shift basis about 4 production cum slice benches will be developed from 334m to 318m ARL. Pyrophyllite is 50% and diaspore is 5%, Intercalated siliceous waste is computed as 45% of Ore zone volume.

The committee observed that the PP has enclosed MoEF&CC compliance report vide no. 79 dated 25.11.2021. In the point no. 06, PP furnished that all around the periphery of the lease 60 m of buffer zone shall be maintained and this shall be dealt as no mining area. It was also observed that only 250 -300 saplings were existed around the ML area and approach road, and PP has not given exact survival no. of plants Hence, the committee after deliberation asked PP to submit time targeted action plan for plantation in the I<sup>st</sup> year proposed 7000 nos. of plants and in the II<sup>nd</sup> year proposal of 5000 nos. of plants. Moreover asked PP to incorporate all points in the proposed CER raised during public hearing. After presentation and deliberation, PP was asked to submit following information:

1. PP shall submit the time bound Action Plan on the Non- Compliance conditions as mentioned in Certified Compliance report on conditions stipulated in existing EC issued by RO MOEF&CC, Bhopal.
2. PP shall submit time targeted action plan for plantation in the I<sup>st</sup> year proposal of 5000 nos. of plants and in the II<sup>nd</sup> year proposal of 7000 nos. of plants.
3. Clarification of garland drains in lease area whether it is around the dump area or periphery of the lease area.
4. Revises plantation species (site specific, Barrier zone and on approach road) as suggested by the committee.
5. PP Commitment for proposed plantation will be carried out in 02 years.
6. PP Commitment for proposed development of grassing land in consultation with panchayat, and District forest officer.
7. Revised EMP Budget including budget for garland drains as suggested by the committee.
8. Revised CER plan as per suggestion received during meeting.
9. In the EIA, reply to general conditions Sr. no. 17, Table 8.3 is not available, the same may be provided.

PP vide their letter dated 20.01.2022 submitted query reply which was placed before the committee which were found satisfactory and acceptable to the committee. The EIA/EMP and other submissions made by the PP earlier were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC for Pyrophyllite & Diaspore Quarry in an area of 10.834 ha. (Expansion from Pyrophyllite 10,000 MTPA & Diaspore Quarry 400 MTPA to 50,000 MTPA) (Khasra No. 476, 477), Village - Markhera, Tehsil - Mohangarh, Dist. Tikamgarh (MP), subject to the following special conditions in addition to the standard conditions at annexure 'A':

#### **(A)PRE-MINING PHASE**

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
3. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.

4. PP will also carry out fencing all around the lease area.
5. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
6. For dust suppression, regular sprinkling of water should be undertaken.
7. Haul road and shall be compacted on regular interval and transport road will be made pucca (tar road) and shall be constructed prior to operation of mine.
8. PP will obtain other necessary clearances/NOC from respective authorities.
9. Slope stability study shall be carried out before commencing the mining activities.
10. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.
11. All around the periphery of the lease 60 m of buffer zone shall be maintained and this shall be dealt as no mining area.

**(B) MINING OPERATIONAL PHASE**

12. No overcharging during blasting to avoid vibration.
13. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
14. Working height of the loading machines shall be compatible with bench configuration.
15. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
16. No explosive will be stored at the mine site.
17. No intermediate stacking is permitted at the mine site.
18. No dump shall be stacked outside the lease area.
19. Overhead sprinklers shall be provided in mine.
20. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary in three rows.
21. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2.5 feet height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 12,000 out of which for plantation in the I<sup>st</sup> year proposal of 7000 nos. of plants and in the II<sup>nd</sup> year proposal of 5000 nos. of plants.
22. Transportation of material shall be done in covered vehicles.
23. Transportation of minerals shall not be carried out through forest area.
24. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.

25. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine.
26. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
27. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
28. Appropriate and site-wise submitted activities shall be taken up for social upliftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
29. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
30. The commitments made in the public hearing are to be fulfilled by the PP.
31. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
32. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

**(C) ENTIRE LIFE OF THE PROJECT**

33. In the proposed EMP, capital cost is Rs. 20.98 Lakh is proposed and Rs.15.19 Lakh /year as recurring expenses.
34. Under CER activity, following activities are proposed based public hearing issues.

S.No.	Particulars	Capital Cost	Requiring Cost.	Time schedule
1.	Separate toilets for Gents / ladies with water tank mounted in lease area as per demand in Public Hearing.	70000/-	5000/-	Within 6 month from day 1 of CTO for expansion.
2.	2 Nos Handpumps in Markhera Village and Village Khera one each.	80000/-	10000/-	One hand pump in Markhera Village before June 2022 and 2 <sup>nd</sup> Hand Pump in Village Khera before 31 December 2022.

3.	Vaccination twice in year with support of Health Department, in nearby area	20000/-	5000/-	Its in progress
4.	Construction of 4 ft high boundary wall at the periphery of Hanumanji Temple in Markhera Village	120000/-	-	Before 31 <sup>st</sup> March 2023
5.	Contribution in construction of Markhera– Nandanpur Road	40000/-	10000/-	Before 31 <sup>st</sup> March 2022
6.	Distribution of 3000 Nos. samplings of verity Kathal, Amrud, Neebu, and Munga in nearby Villages namely Markhera, Khera, Nandanpur and Semrikhera Village	200000/-	10000/-	1500 Nos of sampling in Village Markhera, Khera, before June 2022 and 1500 Nos. sampling in village Nandanpur and Semrikhera before June 2023.
7	Development of grassing land in consultation with panchayat	50000/-	5000/-	Activities started from 1 <sup>st</sup> April 2022.
8	Provide 2 Nos of Computer in middle school of Village Markhera and Nandanpur (one each)	70000/-	10000/-	
9.	Other (as per demand of Panchayat Markhera)	25000/-	-	As per requirement.
	<b>Total</b>	<b>675000/-</b>	<b>55000/-</b>	

35. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.

36. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

**2. Case No 6808/2020 Shri Karan Singh Chouhan, R/o Dubey Colony, Dist. Katni, MP – 483501 Prior Environment Clearance for Limestone & Dolomite Mine in an area of 2.19 ha. (Limestone – 25,804 tonne per annum, Dolomite – 5,430 tonne per annum) (Khasra No. 212, 508, 509), Village - Nanhwara, Tehsil - Badwara, Dist. Katni (MP). Env. Consultant: CSIR-Central Institute of Mining and Fuel Research, Dhanbad.**

This is case of Limestone & Dolomite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 212, 508, 509), Village - Nanhwara, Tehsil - Badwara, Dist. Katni (MP) 2.19 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office letter No. 384 dated: 22/11/2019 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 4.29 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 426<sup>nd</sup> SEAC dated 27/02/2020 wherein ToR was recommended. PP has submitted the EIA report forwarded through SEIAA on-line and the same was scheduled in the agenda.

In this meeting the EIA was presented by Env. Consultant Shri R.K. Choube from M/s. CSIR-Central Institute of Mining and Fuel Research, Dhanbad on behalf of PP , on behalf of PP . During presentation it was observed as per Google image based on coordinates provided by PP that lease is excavated & pucca road is existed in the NW side at a distance of 318 m and 02-03 trees area existed within the lease area.

Following salient features of the proposed project were submitted by PP:

- The excavation of Limestone will be done by using hand tools such as spades, hammer, crowbar, chisel etc. The loading of Limestone will be done with shovel-tipper combination and transportation will be done through hired trucks or tippers. Light drilling & blasting will be done. While planning the proposal for next financial year economic depth of the pit minimum degradation of land has been considered, in order to prevent haphazard excavation of pits and advancing towards N-S and E-W side covering existing pits.
- Mining will be carried out by developing systematic, regular and separate benches mineral to achieve desired production. During proposed to developed pit laterally towards all direction and depth also up to 385mrl.

- Haulage roads 5m wide will be laid at maximum 1: 16 gradient from surface (stack yard) to pit bottom at 385mrl within bye roads to faces of individual benches.
- Uniform 4 m high benches in manual mining will be developed (however sub benching will be done to facilitate jackhammer drilling if hard portion encountered during mining).

After presentation and deliberation, PP was asked to submit following information:

1. PP shall submit old production taken from the year 2003-2014 this was also TOR point.
2. PP shall proposed NE & SE area where root stocks are existing as non- mining area.
3. Soil profile in the lease periphery.
4. Revises plantation species (site specific, Barrier zone and on approach road) as suggested by the committee.
5. PP commitment that Plantation scheme will be completed within initial 01 year of the project and causality replacement shall be done from 02 years .
6. Revised CER incorporating physical and financial target with allocation of some budget for the wild life rescue centre in the Kanha National Park, Mandla with the consultation of Director Kanha NP, as suggested by committee during meeting.
7. In the EIA, reply to standard TOR S. no. 27, Fig. 2.2 is not legible; a legible copy of the figure may be submitted.

**3. Case No 8880/2021 M/s. Ipca Laboratories Ltd, Shri Manoj Kumar Mittal, Vice President - EHS (Corporate), C-89 to C-95 MIDC Area, MIDC Mahad, Dist. Raigad (Maharashtra) - 457002, Prior Environment Clearance for Proposed expansion project for manufacturing of API at village - Sejavta, Tehsil & Dist. Ratlam, (MP)**

This is case of Prior Environment Clearance for Proposed expansion project for manufacturing of API at village - Sejavta, Tehsil & Dist. Ratlam, (MP). Cat. 5(f) Synthetic Organic Chemicals Industry (Dyes & Dye Intermediates) Project.

The case was presented by the PP Shri Manoj Kumar Mittal, Vice President - EHS (Corporate) from M/s. Ipca Laboratories Ltd, and their consultant and during presentation following details were provided.



- M/s. Ipca Laboratories Ltd (Ipca), is large scale manufacturing facility located at Village – Sejavta, Tehsil & Dist. Ratlam, (MP).
- Total production capacity after expansion of API will be 5078 TPA (Existing 3222 TPA & Additional proposed: 1856 TPA).
- The project occupies a plot Area of 45.94 Ha. (459400 m<sup>2</sup>) of land. The total cost of the project after expansion will be 995.00 Cr. (Existing: 702.20 Cr. & Additional proposed: 292.80 Cr.).
- The major facilities are Boilers, Thermo packs, MEEs, MVRE, Effluent Treatment Plant (ETP) and R.O Plant, Reactors, Cooling Towers etc. Facilities like additional manufacturing building & greenbelt/plantation will also be developed as per plan/requirement. The treated water will be used for cooling towers, boilers, floor washing and gardening/greenbelt etc.
- Total raw water requirement for the proposed expansion project will be 2570 KLD fresh and after recycling of 1380 KLD, the fresh water requirement will be 1190 KLD. The water will be source from Municipal Authority, Ratlam & CGWA.
- Solid waste generated during the manufacturing process and wastewater treatment process is mainly sludge and will be disposed at authorized TSDF facility / Preprocessing / co-processing at Cement Plants or Incinerated in house, as per Hazardous and Other Waste (Management & Transboundary Movement) Rules, 2008 (Amendment 2016). M/s Ipca Laboratories already taken authorization Under Hazardous Waste (Management, Handling & Transboundary Movement), Rules. Certain category of HW will be sold to recycler / actual users.
- Power will be sourced from existing line of 'MPPK Vidyut Vitaran Company Limited Ujjain Region'. The total requirement after expansion connected load 33894 KW & Operational load 11660 KW. In case of power failure, D.G. of 1000 KVA (3 Nos.), 1010 KVA (2 Nos.), 395 KVA (1 No.), 260 KVA (1 No.) and 1500 KVA (1 No.) will be use as a back up power source.
- The total capital cost for environmental measures will be Rs. 173.443 Cr. (capital cost) (including CER cost of Rs. 2.196 Cr.) is allocated for environmental management systems and the annual recurring cost for

the same will be Rs. 43.9475 Cr./A.

### **Executive Summary of Project:**

Ipca Laboratories limited (Ipca) has emerged as one of India's top exporters of APIs with nearly 25% of the turnover coming from APIs. Regulated markets like the USA, Canada, Europe and Australia account for 75% of our API exports. Ipca is one of the world's largest manufacturers of APIs - Atenolol (anti-hypertensive), Chloroquine Phosphate (anti-malarial), Furosemide (diuretic), Hydroxychloroquine Sulphate (NSAID), Metoprolol Succinate (anti-hypertensive), Metoprolol Tartrate (anti-hypertensive) and Pyrantel Salts (anthelmintic) - besides being one of the largest suppliers of these APIs worldwide. For over 20 years, Ipca has been playing a lead role in the Indian APIs market, both in the anti-malarial and anti-hypertensive therapeutic segments. Ipca is the first manufacturer in India for APIs like Atenolol, Hydroxychloroquine Sulphate, Morantel Citrate, Pyrantel Pamoate and Zaltoprofen. Our domestic pharmaceutical customers include pharmaceutical majors like Abbott, Astra Zeneca, Bayer, Cipla, Dr. Reddy's, Merck, Pfizer, Ranbaxy, and Wockhardt. Ipca's APIs and Formulations produced at world class manufacturing facilities are approved by leading drug regulatory authorities including, UK-Medicines and Healthcare products Regulatory Agency (MHRA), South Africa-Medicines Control Council (MCC), Brazil-Brazilian National Health Vigilance Agency (ANVISA) and Australia-Therapeutic Goods Administration (TGA). With operations in over 120 countries, exports account for over 52% of the company's income. A favorable market demand for the pharmaceutical products in the country and a good export potential was the chief impetus for Ipca Laboratories Ltd. to set up a fully-fledged manufacturing complex with all off sites, utilities & auxiliaries at Village Sejavta in Ratlam district of Madhya Pradesh & it has been successfully operating since 1984. After establishment in 1984, Ipca obtained EC for expansion in 2008 and subsequently in 2015 from Government of India, Ministry of Environment, Forest and Climate Change (Impact Assessment Division). Certified compliance report for the recent EC conditions from RO, MoEF&CC dated 17th September 2018 is available and attached as Annexure. Ipca is now proposing further expansion of existing API products with additions of new API products. Proposed expansion will be at existing site located at village Sejavta in Ratlam district of Madhya Pradesh which is already converted for industrial purpose. For proposed expansion additional land is acquired which located just adjacent of existing area & same land is already converted for industrial use. Existing unit is for manufacturing of Synthetic API, Formulations of Tablets, Injections, Liquids Orals, Dry Syrup, Ointment, Production of Steroid & Hormonal products and R&D Products. Copy of valid consent to

operate (CTO) is attached as Annexure. Now, unit is going for expansion exclusively for the Synthetic API and production of all other products remains as per current valid CTO. Executive Summary of Ipca Laboratories Ltd. Village Sejavta, Tehsil & District Ratlam, Madhya Pradesh. Total capacity of the unit after proposed expansion will be API products 5078 TPA. As per the EIA Notification S.O. 1533 dated 14th September 2006, proposed activity is covered under Synthetic Organic Chemicals Industry 5(f), and needs prior environmental clearance for expansion. With reference to the vide MoEF&CC Notification S.O.2859 (E) dated 16th July 2021, the proposed activity comes under activity 5(f) API under B2 category. As per EIA notification 2006 Public Hearing is exempted for B2 category projects, hence, though the project is located outside the notified industrial public hearing is not applicable.

**Salient Features of the Project:**

Sr. No	Parameters	Description
1.	Category as per EIA Notification	5 (f) B-2
2.	Latitude	23° 23' 3.12"N – 23° 23' 39.32"N
3.	Longitude	75° 3' 5.81"E – 75° 4' 5.81"E
4.	Total Production Capacity	Existing capacity*: Synthetic Drug API: 3222 TPA, Additional proposed capacity: Synthetic Drug API: 1856 TPA, Total capacity: Synthetic Drug API: 5078 TPA,
5.	Total Area	Existing: 40.47 Ha. (404700 m <sup>2</sup> ), Additional proposed: 5.47 Ha. (54700 m <sup>2</sup> ), Total: 45.94 Ha. (459400 m <sup>2</sup> ),
6.	Green Belt Area	15.1602 Ha (151602 m <sup>2</sup> ) (33% of total plot area).
7.	Water Requirement	Existing: 1475 CMD, Additional proposed: 1095 CMD, Total: 2570 CMD.
8.	Effluent Quantity (Trade + Domestic)	Existing: Trade: 620 CMD & Domestic: 140 CMD, Additional proposed: Trade: 589 CMD & Domestic: 00 CMD, Total: Trade: 1209 CMD & Domestic: 140 CMD,
9.	Trade Effluent Treatment	Trade effluent will be segregated into high TDS and low TDS streams. High COD/TDS stream from process (100 CMD) will be treated in primary treatment first and then passed through Stripper for solvent recovery. Then it will be passed Multiple Effect Evaporator (MEE-1, existing) followed by Agitated Thin Film Dryer. MEE condensate (120 CMD: 100 CMD MEE treated + 20 CMD live steam condensate) will be further treated in full-fledged ETP-2 (Proposed). Low TDS stream (1109 CMD) will be further separate out.258 CMD from process

Sr. No	Parameters	Description			
		221 CMD form floor wash, etc. and 80 CMD from boiler blow downs totaling to 559 CMD will be treated in conventional ETP (proposed) along with MEE 1 condensate. Total effluent going to ETP (proposed) will be 679 CMD. Treatedeffluent will be fed to existing RO1 followed by RO2. RO3 will be stand by. Permeate (475 CMD) will be recycled and reused Rejects (204 CMD) from RO will be fed to existing MVRE. Remaining 550 CMD Lean streams (low TDS) coming from cooling tower blow downs (305 CMD), DM reject (195 CMD) & stream from formulation (50 CMD) will be fed to ETP (Existing) comprising of primary and secondary. Then it will be fed to RO4 (Proposed). RO permeate (413 CMD) will be recycled and reused and reject (137 CMD) will be fed to MVRE along with rejects from RO1 and 2. Condensate from MVRE (222 CMD) will be recycled and reused and concentrate (119 CMD) will be fed to MEE2 (proposed). Condensate (130 CMD) from MEE 2 (proposed) will be recycled and reused. Unit will be complete ZLD unit. Total Recycled water will be 1240 CMD.			
10.	Domestic waste water treatment	Domestic waste water will be treated in existing STP of capacity 140 CMD.			
11.	Fuel requirement at full load	Equipment & Fuel	Existing Fuel Quantity	Additional Proposed Fuel Quantity	Total Fuel Quantity
		For Boilers	Petroleum Cock / Coal: 1T/hr., (For 6 TPH boiler – 1 number),  Furnace Oil: 450 Lit/hr., (For 6 TPH boiler – 1 number),  Coal: 1 T/hr. (For 6 TPH boiler – 1 number),  Coal: 1.20 T/hr. (For 8 TPH boiler – 1 number),  Petroleum Cock: 1.10 T/hr., (For 8 TPH boiler – 1 number).	Coal: 10 T/hr. (For 20 TPH boiler - 1 number & 30 TPH Boiler - 1 number),	Furnace Oil: 450 Lit/hr., (For 6 TPH boiler – 1 number),  Coal: 13.2 T/hr., (For 6 TPH boiler – 2 numbers, 8 TPH boiler, 20 TPH boiler & 30 TPH boiler – 1 number each),  Petroleum Cock: 1.10 T/hr., (For 6 TPH boiler – 1 number &8 TPH boiler – 1 number).
		For Thermopack	LDO: 125 Litrs/hr., (For 4 Lac kcal/hr., 2 Lac kcal/hr. 2 Lac kcal/hr. & 1 Lac kcal/hr.)	--	LDO: 125 Litrs/hr., (For 4 Lac kcal/hr., 2 Lac kcal/hr. 2 Lac kcal/hr. & 1 Lac kcal/hr.)
		For DG sets HSD	655 Litrs/hr. (For DG Sets.: 1000 KVA - 3 numbers,	355 Litrs./hr., (For DG Set: 1500 KVA - 1 number)	1010 Litrs. /hr. (For DG Sets.: 1000 KVA - 3 numbers,

Sr. No	Parameters	Description
		1010 KVA - 2 numbers, 395 KVA - 1 number & 260 KVA - 1 number)
		1010 KVA - 2 numbers, 395 KVA - 1 number, 260 KVA - 1 number, 1500 KVA - 1 number)
12.	Power requirement	Existing: Connected Load: 28902 KW, Operational Load: 10000 KW, Additional proposed: Connected Load: 4992 KW, Operational Load: 1660 KW, Total: Connected Load: 33894 KW, Operational Load: 11660 KW, Source: MPPK Vidyut Vitaran Company Limited Ujjain Region.
13.	Dispersion of boiler emission for boiler	Existing: Stack Height- Boiler 6 TPH (3 numbers), 8 TPH (2 numbers): Existing 30 m. stack height to each boilers are provided, Thermopack: 4 Lack cal/hr., 2 Lack cal/hr., 2 Lack cal/hr., 1 Lack cal/hr. (stand by). Existing 23 m. common stack height. Additional proposed: Stack Height- For boiler 20 TPH & 30 TPH: Stack height of 50 m will be provided to each boilers, Earlier stack height provided 30 m each however after air modelling study it has been revised to 50 m. for proper dispersion of pollutants.
14.	Dispersion of emission DG Sets	Existing: Total D.G Sets X 7 Nos. 3 Nos.: 1000 KVA, Common stack height: 30 m along with acoustic enclosure is provided, 2 Nos.: 1010 KVA, Common stack height: 30 m along with acoustic enclosure is provided, 1 No.: 395 KVA, Stack Height: 4 m along with acoustic enclosure is provided, 1 No.: 260 KVA, Stack Height: 3.5 m along with acoustic enclosure is provided, Additional proposed: D.G Set X 1 No.: 1500 KVA Stack Height: 30 m along with acoustic enclosure will be provided,
15.	Work Force	Existing: 2650 Nos. Additional proposed: 00 Nos. Total: 2650 Nos.
16.	Capital Cost the project	Existing: 702.20 Cr., Additional proposed: 292.80 Cr. Total capital Cost: 995.00 Cr.
17.	Corporate Environmental Responsibility (CER)	CER Cost: Rs.2.196 Cr(0.75 % of the expansion cost i.e. 292.80 Cr) (As per conditions stipulated in O.M issued by MoEF&CC O.M No. 22-65/2017-IA.III dated 25 <sup>th</sup> Feb. 2021, CER will be a part of EMP).

After presentation, PP was asked to submit of following details:

1. Water Analysis report w.r.t. BOD parameter (inlet & outlet of ETP).

2. Furnish details of CO<sub>2</sub> carbon emission, quantification of proposed boilers & DG sets and their management plan w.r.t. carbon foot print of the industrial activity.
3. MSDS of all 18 new products handling in the industry including their solvents.
4. Quantify the worst case scenario wrt to any industrial accidents like spill of HCL acid.
5. Revised plantation species as suggested by the committee.
6. Revised CER activities with their physical & financial target as habitat development in the Ralamandal WLS, Indore and in the Van Vihar National Park, Bhopal with additional financial budgetary provision of 20.0 lakhs and 05.0 lakhs respectively (to be deposited within a month after getting E.C.) before 31<sup>st</sup> March 2022 apart from other activities as suggested during presentation by the committee.

**4. Case No 8885/2021 Shri Hari Singh Raghuvanshi, Owner, Manwani Colony, Tehsil - Pithampur, Dist. Dhar, MP, Prior Environment Clearance for Stone Quarry in an area of 1.0 ha. (Stone - 10000 Cum per annum, Murrum - 6996 Cum per annum, Waste - 526 Cum per annum) (Khasra No. 1/1 Peki), Village - Khandwa, Tehsil - Pithampur, Dist. Dhar (MP) Consultant Shri Amit Saxena Apex Mintech Udaypur (Rj.)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 1/1 Peki), Village - Khandwa, Tehsil - Pithampur, Dist. Dhar (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was scheduled for the presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

**5. Case No 8886/2021 Shri Sakharam Yadav, Owner, Village - Chaandel, Tehsil - Punasa, Dist. Khandwa, MP - 450001 Prior Environment Clearance for Stone Quarry in an area of 2.10 ha. (15002 Cum per annum & Murrum - 9510 Cum per Annum) (Khasra No. 92/2), Village - Chaandel, Tehsil - Punasa, Dist. Khandwa (MP) Consultant Shri Amit Saxena Apex Mintech Udaypur (Rj.)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 92/2), Village - Chaandel, Tehsil - Punasa, Dist. Khandwa (MP) 2.10 ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Consultant Shri Amit Saxena on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that during presentation PP has submitted and shown M.O. letter regarding lease operating or proposed within 500 meters as per Collector Office (Ekle Praman-patra) letter No. 927 dated 11.11.2021 wherein MO has reported that there are no more mines operating or proposed within 500 meters around the said mine. As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pucca Road	43.	North	Protection plan with three rows of Plantation towards road side.
Canal	Crossing the lease	NE-SW	Protection plan with appropriate set back
Under Ground canal (iron pipeline) is laid	Existing 100 m within lease	-	PP submitted that no blasting is proposed for mining only rock breaker will be used .
Human settlement	167	North	Protection plan with appropriate set back
Kachha Road	400	East	Three rows of Plantation towards road side.
44 Trees	Within lease	-	Tree management plan

After presentation the committee asked to submit following details:

1. M.O. letter /Certificate (Ekal certificate) regarding no. of mine sanctioned or proposed within 500 meters.
2. PP commitment that no blasting is proposed for mining only rock breaker will be used for breaking rocks.

3. There are about 44 plants exists within the lease area and proposed mining project is proposed on private land, hence before commencement of mining operation about 500 plants will be sowing in the green belt as compensation of uprooting existing plants.
4. A copy of revised surface and development plan showing non- mining area, a setback of 100 meters from the pucca road in north direction.

PP has submitted the response of above quarries same date vide letter dated 21.01.2022, wherein it was observed that after leaving non- mining area wrt pucca road , total mineable area 1.0016 ha. shall be left out of mineable area . Hence, revised Proposed production wrt area available for mining is being revised and reduced i.e. 10,000 cum per annum instead of 15,000 cum per annum. Thus, committee after deliberation decided the case may be recommended with reduced production capacity as 10,000 cum due to revised area of mining and the life of the mines shall be 6 years. The all queries reply submitted by the PP which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall not be not exceeding for Stone 10,000 cum/annum & Murrum – 9510 Cum per Annum.
2. A budgetary provision for Environmental management Plan of Rs.9.83 Lakh as capital and Rs. 05.33 Lakh/year.
3. As proposed, a minimum of 1900 trees shall be planted as per the submitted plantation scheme .
4. Under CER following activities were submitted by PP:
  5. Revised plantation plan as suggested by the committee.
  6. Revised CER as suggested by the committee.

year	Proposed activity	Amount (Rs.)
1st	White wash in the Govt. Primary School building at village Chandel	75,000
2nd	Installation of the (No. of 2) solar panels at the Govt. Primary School at village Chandel. One solar panels Rs.35000/-	75,000



3rd	Awareness camps for diseases like Oral Hygiene, Diabetes and Blood Pressure near by Villagers.	50,000
	Providing the Solar cookers near by Villagers.	25,000

**6. Case No 8887/2021 Shri Pawan Singh Rawat S/o Chandan Singh Rawat, Ward No. 17, Raghvendra Nagar, Dist. Shivpuri, MP - 473551, Prior Environment Clearance for Murrum Quarry in an area of 1.0 ha. (Murrum 10,000 Cum per annum) (Khasra No. 133/2), Village - Padora Sadak, Tehsil - Kolaras, Dist. Shivpuri (MP) Consultant Shri Amit Saxena Apex Mintech Udaypur (Rj.)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 133/2), Village - Padora Sadak, Tehsil - Kolaras, Dist. Shivpuri (MP) 1.0 ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Consultant Shri Amit Saxena on behalf of PP. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekal Praman-patra) letter No. 2598 dated 17/12/21 has reported that there are no more mines operating or proposed within 500 meters around the said mine. As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachcha Road	21	East	Appropriate set back wrt kachha road/ pucca road as per policy decision taken by SEIAA meeting 694th dated 26.11.2021. Protection plan with three rows of Plantation.
Pucca Road	>500	West	Appropriate set back wrt kachha road/ pucca road as per policy decision taken by SEIAA meeting 694th dated 26.11.2021. Protection plan with three rows of Plantation.
Natural Drain	267& 360	South –East & North –west	Provision of Garland drain & settling tanks.
01 Trees	Within lease	-	Tree management plan

After presentation the committee asked to submit following details:

- Clarification about proposed production unit.
- Revised surface map wrt kachha road.
- Revised Plantation scheme as suggested by committee.
- Revised CER- Propose proposal of Grazing land (fodder grass & tree) development as suggested by committee during presentation.

PP has submitted the response of above quarries same date vide letter dated 20.01.2022, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Murrum 10,000 Cum per annum.
2. A budgetary provision for Environmental management Plan of Rs.13.78 Lakh as capital and Rs. 02.0 Lakh/year.
3. As proposed, a minimum of 1200 trees shall be planted as per the submitted plantation scheme.
4. Under CER following activities were submitted by PP:

Year	Proposed activity	Amount (Rs.)
1 <sup>st</sup>	Construction of library room of Govt. Primary School at village Padora	1,20,000
2nd	Distribution of Books of School library,	35,000
	installation water filter	15,000
	repairing of school toilet at village Padora	70,000
3rd	Developed of play ground School at village Padora.	1,20,000
	Total	3,60,000.00

**7. Case No. – 5768/2018 M/s. Span Minerals Pvt.Ltd., Director Shri Chandra Shekhar Prasad Singh, G-3, B-Wing, Hetkunj VP Road Andheri (W) Mumbai Prior Environment Clearance for Granite Quarry in an area of 9.50 ha. for production capacity of 10,500 cum/year at Khasra No.-2610 Village Chhilpa, Tehsil Anuppur, District Anuppur (MP).**

This is case of Granite Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra no. - 2610 at Village- Chhilpa, Tehsil - Anuppur, District - Anuppur (M.P.). 9.50 ha. The project requires amendment of prior EC.

Vide letter no. 2290 dated 18.10.2021 SEIAA has sent the case file with following comments as

This was discussed in 687th SEIAA meeting dtd 30/9/2021 and it has been recorded that....

The case was discussed in 633<sup>th</sup> SEIAA meeting dtd 21/8/2020 and thereafter in 681<sup>st</sup> SEIAA meeting dtd 04/08/2021 and it was recorded in the minutes that.....

*SEIAA issued the permission for inclusion of overburden un sized block generated during mining of grant vide letter 2777 dtd 08/09/2020 in case no. 5768/2018 and vide letter no. 1780 dtd. 17/7/2020 (case 633rd dtd. 21/8/2020) in case no. 5769/2018 dtd 08/9/2020 (625th SEIAA dt. 10/7/2020).*

*PP submitted the Affidavit vide letter dtd 10/1/2021 that no mining operation has been carried out all the mine site and also mentioned that the permission given by SEIAA in the case no. 5768 & 5769 on the basis of offline application.*

*In the MoEF & CC dated 18/6/2018. In Para 2, it is recorded that.*

*The matter has been examined in the Ministry and it is submitted that mining projects including dump mining. Overburden mining etc. do require the prior Environmental Clearance as per the provision of Environment impact Assessment (EIA Notification 2006. Therefore it is clarified that as per the provision of the EIA Notification 2006, the mining project stated in the schedule require prior environmental clearance irrespective of the size of the mine lease area and type of mineral including over burden and dump mining.*

*After detailed discussion it is observed that SEIAA has permitted offline to sale overburden un sized block generated during mining operation in the case no 5768/2018 issued vide letter no. 2777 dated 8/9/2020 and in the case no. 5769/2018 issued vide*

*letter no. 1780 dtd. 17/7/2020 it was also observed that, as per the Office Memorandum dated 11/6/2019 of MoEF & CC, GoI in both case, PPs have not applied through online application on Parivesh Portal. Therefore it is decided that Prior ECs of the above cases no. 5768/2018 5769/2018 shall be kept in abeyance. All three PPs may be asked for clarification as well as submission of application online through Parivesh Portal.*

PP has applied in Form-4 with supporting documents regarding amendment of Prior EC issued vide letter dated 10/1/2019. After detailed discussion, it was decided that the case along with technical file sent to SEAC for re-appraisal.

The case was presented by PP Shri Ankur Mishra himself in the 524<sup>th</sup> SEAC meeting dated 29.10.2018, wherein PP submitted that due to some mis-happening with their consultant therefore he himself presenting the case in the meeting . PP Stated that this is a case for inclusion of overburden of un-sized block generated during mining and PP is interested selling of this OB along with Granite stone. PP has applied in Form-4 with supporting documents regarding amendment of Prior EC. For which PP has modified Mining plan and included OB vide no. 7552 dated 11.08.2020. PP quoted an OM of MoEF & CC dated 18/6/2018 Para 2

*The matter has been examined in the Ministry and it is submitted that mining projects including dump mining. Overburden mining etc do require the prior Environmental Clearance as per the provision of Environment impact Assessment (EIA Notification 2006.*

### **The Chronology of the Case**

- EC recommended in 333 SEAC meeting dated 29-11-18.
- EC granted in 514 SEIAA meeting dated 14-12-2018.
- EC issued vide letter no. 1992-93/SEIAA/19 dated 10-01-19.

During presentation, PP informed that they have got the revised mine plan approved by the competent authority. It was observed by the committee that PP has applied for amendment in EC where lease area remains the same only area of excavation will be increases within the sanction lease area and generated OB will be disposed off through sale as per revised mine plan. PP further submitted that this case shall be considered as per the provision laid down in the EIA Notification, 2006 clause 7 (ii). After presentation PP was asked to submit following information for further consideration of the project:

1. Copy of last six monthly compliance reports of previous EC conditions submitted by PP.
2. With the proposed amendment, justify with modeling about the pollution load and its mitigation plan.

3. Revised Tree plantation scheme as suggested by the committee.
4. Details of works done under CER and proposed for future.

PP has uploaded online query reply on “Parivesh Portal” vide letter dated 17.12.2021 which were point –wise presented before the committee as:

1. Copy of last six monthly compliance reports of previous EC conditions- PP submitted –
  - Regular submission of compliance wrt issued environment clearance is being done. The Copy of compliance report has been enclosed with the reply submitted through on line.
2. With the proposed amendment, justify with modeling about the pollution load and its mitigation- PP submitted –
  - The present production capacity of granite is 10,500 cum per year along with waste about 3,04,500 cum per year. The production capacity of granite block and OB will remain same, however the OB has been proposed for sale as saleable waste material for stone crushing purposes.
  - In above case, the predicted MGLC for excavation operation will remain same, however the dust emission from transportation of OB/Mineral will increase marginally.
  - Presentably only granite block is being transported and 05 number of dumper are required per day. With proposed amendment, the OB material will also be transported which will require 20 number of dumper, hence total no of vehicle movement will be 25 number per day.
  - The present ambient air quality has been assessed and found 54.25ug/cum, 24.65ug/cum for PM-10, PM-2.5 respectively which will increase as 60.00 ug/cum & 25.23ug/cum for PM10 & PM2.5 respectively.

**Following are the proposed measures:**

- Provision of dust mask for workers (25-30No) with instruction of compulsory use.
- Regular maintenance of vehicles and machines will be carried out in order to control emissions. Frequency of maintenance need to be scheduled, hence log book and prior maintenance schedule is required for smooth functioning
- During the drilling, water will be sprayed, so reduced the dust emission
- Water spraying should be performed twice in day over the road to be used for transportation purposes and movement of dumper should be allowed only after water spraying.

- Since blasting is proposed at small level on occasional basis and mining will be by manual mean, water spraying and time bound green belt development will help to control the fugitive emission that may be caused by the dust
  - It is assumed that 35cum of Granite will be transported on per day basis through transport road by dumper having capacity of 7cum/14T capacity. It means that, It is proposed that after every hrs there will be movement of 1 dumpers on road and it is proposed to carry out water spraying before moving of dumper through tanker . (five time per day).
  - It is assumed that 1015cum of saleable waste will be transported on per day basis through road by dumper having capacity of 40T capacity. Considering the volume of production, movement of 20 dumpers is expected on daily basis. Hence every after every hours, there will be movement of 2 dumper on road is expected. To meet out the fugitive dust generation, water spraying is proposed before movement of dumpers and scheduled as one trip of water tanker in per hours and total 10 trip of water tankers in a day
3. Revised Tress Plantation Scheme as Suggested by Committee -PP submitted –

- It was proposed to develop green belt with 8600 number of trees and out of that 1000 number of trees has already been planted over an area of 1.500 ha. Considering the amendment, the excavated pit will be left out as void and will be converted as water body, hence 3000 trees shall be planted within and at periphery of the lease area whereas 5600 plants shall be given to villagers for plantation in the village area..

Phase	Name of Tree/ shrub/Herbs	No. of Plants	Location
<b>Details of Existing Plantation</b>			
	Jamun	150	Chatua Mines periphery
	Mango	250	
	Neem	150	
	Amrudh	150	
	Kathal	150	
	Babul	150	

Details of Proposed Plantation			
Along with mining operation in 1 <sup>st</sup> year	Same as above	1000	
2 <sup>nd</sup> year	Same as above	1000	
Within 3 <sup>rd</sup> and 4 <sup>th</sup> Year	Same as above	5600	
	<b>Total</b>	<b>8600</b>	

4. Detail of work done under CER programme and Proposed for Future.-PP submitted  
As desired following are the details of existing and proposed CER/CER activities

Phase	Activities done/to be done	Location	Expenses incurred /to be incurred
<b>Details of Existing Activities</b>			
Donation to Red Cross ( Rs 25000) and Amarakantak Narmada Society ( Rs 1,00,000) has been given.			
<b>Details of Proposed Activities</b>			
Along with mining operation in 1 <sup>st</sup> and 2 <sup>nd</sup> year	Repair and maintenance work at local school at Chilpa  Medical camp with doctor for nearby villages Chilpa and Chatua	At Local Village	Rs 5 Lacs

After query reply presentation it was observed that the EC compliance condition report, Plantation scheme, CER and other submissions made by the PP were found satisfactory and acceptable, thus committee after deliberation recommends the case for amendment in existing Environmental Clearance Letter for inclusion of overburden un- sized block generated during mining capacity as 3,04,500 cum/year. Other conditions shall remain the same for which EC issued by MPSEIAA vide letter no. 1992-93/SEIAA/19

dated 10-01-19 through Case No. – 5768/2018 M/s. Span Minerals Pvt.Ltd., Director Shri Chandra Shekhar Prasad Singh, G-3, B-Wing, Hetkunj VP Road Andheri (W) Mumbai. Other special EC conditions remain same as recommended in the 333<sup>rd</sup> SEAC meeting dated 29-11-2018.

**8. Case No. – 5769/2018 M/s Span Minerals Pvt.Ltd., Director Shri Chandra Shekhar Prasad Singh, G-3, B-Wing, Hetkunj VP Road Andheri (W) Mumbai. Prior Environment Clearance for Granite Quarry in an area of 8.646 ha. for production capacity 10, 500 cum/year at Khasra no.- 129/2, 130 to 134, 154/5, Village Chatua, Tehsil Anuppur, District Anuppur (MP)**

This is case of Granite Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Khasra no. - 129/2, 130 to 134, 154/5 at Village - Chatua, Tehsil Anuppur, District -Anuppur (M.P.). 8.646 ha. The project requires prior EC before commencement of any activity at site.

Vide letter no. 2296 dated 18.10.2021 SEIAA has sent the case file with following comments as

**This was discussed in 687th SEIAA meeting dtd 30/9/2021 and it has been recorded that....**

The case was discussed in 633<sup>th</sup> SEIAA meeting dtd 21/8/2020 and thereafter in 681<sup>st</sup> SEIAA meeting dtd 04/08/2021 and it was recorded in the minutes that.....

*SEIAA issued the permission for inclusion of overburden un sized block generated during mining of grant vide letter 2777 dtd 08/09/2020 in case no. 5768/2018 and vide letter no. 1780 dtd. 17/7/2020 (case 633rd dtd. 21/8/2020) in case no. 5769/2018 dtd 08/9/2020 (625th SEIAA dt. 10/7/2020).*

*PP submitted the Affidavit vide letter dtd 10/1/2021 that no mining operation has been carried out all the mine site and also mentioned that the permission given by SEIAA in the case no. 5768 & 5769 on the basis of offline application.*

*In the MoEF & CC dated 18/6/2018. In Para 2, it is recorded that.*

*The matter has been examined in the Ministry and it is submitted that mining projects including dump mining. Overburden mining etc do require the prior Environmental Clearance as per the provision of Environment impact Assessment (EIA Notification*



*2006. Therefore it is clarified that as per the provision of the EIA Notification 2006, the mining project stated in the schedule require prior environmental clearance irrespective of the size of the mine lease area and type of mineral including over burden and dump mining.*

*After detailed discussion it is observed that SEIAA has permitted offline to sale overburden un sized block generated during mining operation in the case no 5768/2018 issued vide letter no. 2777 dated 8/9/2020 and in the case no. 5769/2018 issued vide letter no. 1780 dtd. 17/7/2020 it was also observed that, as per the Office Memorandum dated 11/6/2019 of MoEF & CC, GoI in both case, PPs have not applied through online application on Parivesh Portal. Therefore it is decided that Prior ECs of the above cases no. 5768/2018 5769/2018 shall be kept in abeyance. All three PPs may be asked for clarification as well as submission of application online through Parivesh Portal.*

PP has applied in Form-4 with supporting documents regarding amendment of Prior EC issued vide letter dated 10/1/2019. After detailed discussion, it was decided that the case along with technical file sent to SEAC for re-appraisal.

The case was presented by PP Shri Ankur Mishra himself in the 333<sup>rd</sup> SEAC meeting dated 29.11.2018, submitted that due to some mis-happening with their consultant therefore he himself presenting the case in the meeting . PP Stated that this is a case for inclusion of overburden of un-sized block generated during mining and PP is interested selling of this OB along with Granite stone. PP has applied in Form-4 with supporting documents regarding amendment of Prior EC. For which PP has modified Mining plan and included OB vide no. 5741dated 30.06.2020. PP quoted an OM of MoEF & CC dated 18/6/2018 Para 2

*The matter has been examined in the Ministry and it is submitted hat mining projects including dump mining. Overburden mining etc do require the prior Environmental Clearance as per the provision of Environment impact Assessment (EIA Notification 2006.*

### **The Chronology of the case**

- EC recommended in 333 SEAC meeting dated 29-11-18.
- EC granted in 514 SEIAA meeting dated 14-12-2018.
- EC issued vide letter no. 1992-93/SEIAA/19 dated 10-01-19.
- EC issued vide letter no. 2059-60/SEIAA/19 dated 23-01-19.
- Amendment in EC in 625 SEIAA meeting dated 10-07-20.

- Amendment in EC issued vide letter no. 1780-81/SEIAA/20 dated 17-07-2020.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no.- 1150 dated: 03/08/2018 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

It was observed by the committee that PP applied for amendment in EC where lease area remains the same only execution area will be increases within the sanction lease area. Hence load calculation for air pollution increases due to vehicle movement as OB is to be handled.

During presentation, PP informed that they have got the revised mine plan approved by the competent authority. It was observed by the committee that PP has applied for amendment in EC where lease area remains the same only area of excavation will be increases within the sanction lease area and generated OB will be disposed off through sale as per revised mine plan. PP further submitted that this case shall be considered as per the provision laid down in the EIA Notification, 2006 clause 7 (ii). After presentation PP was asked to submit following information for further consideration of the project:

1. Copy of last six monthly compliance reports of previous EC conditions submitted by PP.
2. With the proposed amendment, justify with modeling about the pollution load and its mitigation plan.
3. Revised Tree plantation scheme as suggested by the committee.
4. Details of works done under CER and proposed for future.

PP has uploaded online query reply on “Parivesh Portal” vide letter. dated 17.12.2021 which were point –wise presented before the committee as:

1. Copy of last six monthly compliance reports of previous EC conditions- PP submitted – Copy of compliance report is submitted with online reply.
2. With the proposed amendment, justify with modeling about the pollution load and its mitigation PP submitted –
  - The present production capacity of granite is 10500 cum per year alongwith waste about 304500 cum per year. The production capacity of granite block and OB will remain same , however the OB has been proposed for sale as saleble waste material for stone crushing purposes.

- In above case, the predicted MGLC for excavation operation will remain same, however the dust emission from transportation of OB/Mineral will increase marginally.
- Presentably only granite block is being transported and 05 number of dumper are required per day. With proposed amendment, the OB material will also be transported which will require 20 number of dumper, hence total no of vehicle movement will be 25 number per day.
- The present ambient air quality has been assessed and found 49.52ug/cum, 24.65ug/cum for PM-10, PM-2.5 respectively which will increase as 53.92 ug/cum & 25.09ug/cum for PM10 & PM2.5 respectively.

**Following are the proposed measures:**

- Provision of dust mask for workers (25-30No) with instruction of compulsory use.
- Regular maintenance of vehicles and machines will be carried out in order to control emissions. Frequency of maintenance need to be scheduled, hence log book and prior maintenance schedule is required for smooth functioning
- During the drilling, water will be sprayed, so reduced the dust emission
- Water spraying should be performed twice in day over the road to be used for transportation purposes and movement of dumper should be allowed only after water spraying.
- Since blasting is proposed at small level on occasional basis and mining will be by manual mean, water spraying and time bound green belt development will help to control the fugitive emission that may be caused by the dust
- It is assumed that 35cum of Granite will be transported on per day basis through transport road by dumper having capacity of 7cum/14T capacity. It means that, It is proposed that after every hrs there will be movement of 1 dumpers on road and it is proposed to carry out water spraying before moving of dumper through tanker . (five time per day).

**3. Revised Tress Plantation Scheme as Suggested by Committee-PP submitted**

It was proposed to develop green belt with 8600 number of trees and out of that 1000 number of trees has already been planted over an area of 1.500 ha. Considering the amendment, the excavated pit will be left out as void and will be converted as water body, hence 3000 trees shall be planted within and at periphery of the lease area whereas 5600 plants shall be given to villagers for plantation in the village area.

Phase	Name of Tree/ shrub/Herbs	No. of Plants	Location
Details of Existing Plantation			
-	Jamun	150	Chatua Mines periphery
	Mango	250	
	Neem	150	
	Amrudh	150	
	Kathal	150	
	Babul	150	
Details of Proposed Plantation			
Along with mining operation in 1st and	Same as above	1000	
2nd year	Same as above	1000	
	Simultaneously as above	5600	
	Total	8600	

4. Detail of work done under CER programme and Proposed for Future. PP submitted  
As desired following are the details of existing and proposed CER/CER activities

Phase	Activities done/to be done	Location	Expenses incurred /to be incurred
<b>Details of Existing Activities</b>			
Donation to Red Cross ( Rs 25000) and Amarakantak Narmada Society ( Rs 1,00,000) has been given.			
<b>Details of Proposed Activities</b>			
Along with mining operation in 1st and 2nd year	Repair and maintenance of local school  Medical camp with doctor for nearby villages	At Local Village	Rs 5 Lacs

After query reply presentation it was observed that the EC compliance condition report, Plantation scheme, CER and other submissions made by the PP were found satisfactory and acceptable, thus committee after deliberation recommends the case for amendment in existing Environmental Clearance Letter for inclusion of overburden un- sized block generated during mining capacity as 3,04,500 cum/year. Other conditions shall remain the same for which EC issued by MPSEIAA vide letter No. 2059-60/SEIAA/19 dated 23-01-19 through Case No. - 5769/2018 M/s Span Minerals Pvt.Ltd., Director Shri Chandra Shekhar Prasad Singh, G-3, B-Wing, Hetkunj VP Road Andheri (W) Mumbai for Prior Environment Clearance for Granite Quarry in an area of 8.646 ha. for production capacity 10,500 cum/year at Khasra no.- 129/2, 130 to 134, 154/5, Village Chatua, Tehsil Anuppur, District Anuppur (MP). Other special EC conditions remain same as recommended in the 333<sup>rd</sup> SEAC meeting dated 29-11-2018.

**9. Case No 8833/2021 M/s Maa Narbada Crusher, Proprietor, Village - Sondul, Tehsil - Manawar, Dist. Dhar, MP Prior Environment Clearance for Stone Quarry in an area of 2.90 ha. (8858 Cum per annum) (Khasra No. 46/1 Peki), Village - Sondul, Tehsil - Manawar, Dist. Dhar (MP) Consultant Shri Amit Saxena Apex Mintech Udaypur (Rj.)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 46/1 Peki), Village - Sondul, Tehsil - Manawar,

Dist. Dhar (MP) 2.90 Ha. The project requires prior EC before commencement of any activity at site.

The case was scheduled for the presentation in 534<sup>th</sup> SEAC meeting dated 15/12/2021 but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. Committee decided to call the PP in subsequent meetings.

The case was scheduled again for presentation but neither the Project Proponent (PP) nor his representative was present to explain the query which might be raised or to make any commitment which may be desired by the committee during the deliberation. PP was also absent in the in 534<sup>th</sup> SEAC meeting dated 15/12/2021. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

### **DISCUSSION BASED ON QUERY REPLY SUBMITTED BY PP/ PENDING SINCE LONG**

#### **10. Case No 8665/2021 Shri Vinod Patro S/o Shri Dukhi Lal Patro, R/o - 914, Sarkari Kaun Kariya Pathar, Ghamapur, Dist. Jabalpur, M.P. Prior Environment Clearance for Murrum Quarry in an area of 3.0 ha. (17537 cum per annum) (Khasra No. 197/2), Village - Pahrewa, Tehsil - Sihora, Dist. Jabalpur (MP) (Consultant & RQP Shri Amit Saxena)**

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 197/2), Village - Pahrewa, Tehsil - Sihora, Dist. Jabalpur (MP) 3.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Env. Consultant Amit Saxena, on behalf of PP in the SEAC 520<sup>th</sup> Meeting dated 16.09.2021 . During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, M.O. Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per

Collector Office letter No. 2369 dated 02/8/21 has reported that there are no more mines operating or proposed within 500 meters around the said mine. It was submitted by PP that it's a case of Murrum mining wherein no blasting is proposed. The lease is located on the hillock which is approx. 27 m high and surrounded by habitation. As per Google image based on coordinates provided by PP, within lease area 500 meters following sensitive features were observed:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Human settlement	90 & 130	South & NW	Propose 10 m set back three rows of Plantation towards road side.
Railway line	290	SE	

Committee deliberated on this issue as lease is on Government land allotted by competent authority which is on a hillock and surrounded by habitation. Committee also noticed that being the lease is for Murrum where no blasting is proposed thus if mining is permitted the mine pit which will be created after mining can be developed in to a recreational spot for adjoining habitants and will act as a recharge source for surrounding area. Additionally, dense plantation in 7.5 meter barrier zone and other nearby surrounded area should be developed for beautification of surrounding. (Proposal for seed sowing of Neem, Safed Kastar, Jatropa, Prosopis along the lease boundary shall also be included). It was also decided that mining area shall also be reduced in such a way that to the impact of mining on nearby habitations minimized. This plan shall be prepared in consultation with SFRI, Jabalpur and submitted for further appraisal of this case.

PP has uploaded online query reply on “Parivesh Portal” vide letter. dated 21.12.2021 which were point –wise presented before the committee as:

The query reply was presented by Env. Consultant Amit Saxena, on behalf of PP in the raised in the SEAC 520<sup>th</sup> Meeting dated 16.09.2021. During presentation, PP stated that with reference to above context PP has contacted the SFRI, Jabalpur for the preparation of the plan. The SFRI, Jabalpur, vide letter no. 3236 dated 12.11.2021 informed PP that they (SFRI) are ready to help you for preparing proposal for plantation and development of environment improvement activities in the proposed site. For which a team of SFRI has been formed for pilot survey and preparing report/plan. PP further stated that in view of above conditional EC may be granted to the PP. For this PP has submitted a

commitment through an affidavit that plantation shall be carried out with consultation with SFRI.

After deliberation committee same found satisfactory. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Murrum 17537 cum per annum .
2. A budgetary provision for Environmental management Plan of Rs.26.90 Lakh as capital and Rs. 4.19 Lakh/year.
3. As proposed, a minimum of 17,400 trees shall be planted as per the submitted plantation scheme.
4. The EC shall be applicable after plantation and development of environment improvement activities in the proposed site with the help of SFRI, Jabalpur
5. Under CER following activities were submitted by PP:

Year	Proposed activity	Amount (Rs.)
1 <sup>st</sup>	Afforestation (Plantation) in the surrounding lease over an area of 14.00 hect. and other environment improvement activities with the help of SFRI, Jabalpur	17,00,000

**11. Case No 8846/2021 Shri Vikas Sogani Onwer, Situated near Village - Badgaon, Tehsil - Manawar, Dist. Dhar, MP - 454001 Prior Environment Clearance for Stone Quarry in an area of 1.128 ha. (6373 Cum per annum) (Khasra No. 150/1), Village - Badgaon, Tehsil - Manawar, Dist. Dhar (MP) Consultant Shri Amit Saxena Apex Mintech Udaypur (Rj.)**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 150/1), Village - Badgaon, Tehsil - Manawar, Dist. Dhar (MP). 1.128 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by Consultant Shri Amit Saxena on behalf of PP in the SEAC 535<sup>th</sup> Meeting dated 16.12.2021. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate,



Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 6765 dated 10/09/2021 has reported that there are one more mines operating or proposed within 500 meters around the said mine with total area 3.128 ha., including this mine. As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Water body	80	North-East	Provision of Garland drain & settling tanks.
01 or 02 Structure /shed/house	Within lease	-	PP shall submit photographs of these structure

During presentation as per Google image it was observed by committee 2-3 more mine are existed within 500 meters however , M.O. stated that only 01 mine operating or proposed within 500 meters hence, PP was asked to submit M.O. clarification along with photographs of these structure for further appraisal of this case.

PP vide their letter dated 04/01/2022 uploaded online query reply and hard copy as well as on “Parivesh Portal”. PP submitted MO clarification vide letter no. 3378 dated 15.12.2021 wherein MO submitted its clarification regarding mines pits existed within 500 m . MO stated that earlier this lease was allotted to Shri Ravi , the lease period sanctioned from 17.07.2018 to 16.07.2028 and presently the lease is in operation , and another mine which was allotted to Shri Abhay at Khasra no. 147/1 , lease area-1.0ha, the lease period valid from 10.08.2021 to 09.08.2021 but lease is exhausted hence renewal of this mine has not done by the PP and in current position this mine is not operative. Hence, within 500 meters only 01 mine sanctioned of 2.0 ha. area.

The submitted query which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure ‘A’:

1. Production shall be as per mine plan with quantity not exceeding for Stone 6373 Cum per annum.

2. A budgetary provision for Environmental management Plan of Rs.5.45 Lakh as capital and Rs. 02.65 Lakh/year.
3. As proposed, a minimum of 1400 trees shall be planted as per the submitted plantation scheme.
4. Under CER following activities were submitted by PP:

Year	Proposed activity	Amount (Rs.)
1 <sup>st</sup>	a. Construction of library room of School at village Badgaov	90,000
2 <sup>nd</sup>	a. Distribution of Books and water filter of School library at village Badgaov.	1,30,000
3 <sup>rd</sup>	a. Developed of play ground School at village Badgaov	50,000
	<b>Grand Total</b>	<b>2,70,000</b>

**12. Case No 8845/2021 M/s Sainik Industries Pvt. Ltd, Shri Litesh Jha, Authorized Person, 201-202, Vikash Plaza, Building No. 2, Local Shopping Centre, Kalkaji, New Delhi - 110019 Prior Environment Clearance for Sand Quarry in an area of 2.350 ha. (21000 Cum per annum) (Khasra No. 995, 1003, 1008), Village - Shikarganj, Tehsil - Rampur Nakin, Dist. Sidhi (MP) RQP Ms. Nikita Prajapati and Mr. Sishupal Verma**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 995, 1003, 1008), Village - Shikarganj, Tehsil - Rampur Nakin, Dist. Sidhi (MP) 2.350 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented RQP Ms. Nikita Prajapati and Mr. Sishupal Verma on behalf of PP in the SEAC 535<sup>th</sup> Meeting dated 16.12.2021. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 497 dated 22/06/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine. As per

Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area. During presentation it was observed that this is a Khodu Bharu sand mine wherein sand deposited due to flooding of River Sone. It was also observed that within lease in the 80 % area is covered with vegetation cover particularly in the centre part and in the east and west part of the lease. After presentation the committee asked to submit following details then after this case shall be further considered:

- Revise inventory of all existing trees with their girth and height details and if any tree is to be uprooted, then its management plan.
- Area occupied by trees shall also be considered as non mining area based on the tree inventory as above.
- A natural drain is crossing the lease hence, 50 m setback and tree occupied area shall be non- mining area which is about (1.0438ha.).

PP vide their letter dated 30/12/2021 uploaded online query reply and hard copy as well as on “Parivesh Portal”. PP submitted following submission in response of above quarries:

- Shrubs & trees are there in the mine lease area for which we are providing the tree inventory indicating detailed information of the shrubs & trees present in the mine lease area.
- As this is khodu-bharu sand quarry & we can achieve our proposed production at the depth of 3m only with minimum minable area hence no need to uproot any trees within the lease area and shall remain intact. (Revised tree inventory providing detailed information of the trees & shrubs along with the photos of them is attached as annexed.
- As this is khodu bharu sand quarry and the ultimate depth of mining is only 3m hence there were no trees will be uprooted & also the area where trees are present shall be left as non-mining zone (Revised surface plan indicating the non-mining left for plantation is also attached).
- In protection of the natural drain passing within the lease area, 50m setback from both side of the drainage/nalla shall be left as non-mining zone and also production plan has been calculated considering this non-mining zone in mining plan also. We also assure to develop dense plantation in this non-mining area in order to minimize the effect of mining on surrounding area. (Revised Surface map attached).

The all queries submitted by PP , which were placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure ‘A’:

1. Production of Sand as per mine plan with quantity not exceeding 21,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs.19.75 Lakh as capital and Rs. 0.50 Lakh/year.
3. As proposed, a minimum of 2850 trees shall be planted as per the submitted plantation scheme.
4. Under CER following activities were submitted by PP:

For Social Welfare (in terms of Physical activities)	
Particulars	Amount
▪ 1 solar lights will be installed in village middle school of Shikarganj.	~15,000/-
▪ Distribution of 350 fruits bearing & fodder trees (to 250 household ) like lemon grass, Imli, Ketha, amla, Kathal, Munga, Papaya and Mango etc to villagers of Shikarganj for planting. (approx 333 nos household in Shikarganj (source: Indian village directory))	~17,500/-
▪ Distribution of Masks (1500nos for 333 household & avg population 1500nos) and Sanitizers (300 nos ) to villagers of Shikarganj due to Covid-19.	~16,000/-
<b>Total</b>	<b>48,500/-</b>

**13. Case No. - 5611/2017 M/s Shri Radheshyam Minerals, Khedia Bhawan, P.O.Bijuri, Dist. Anuppur, MP - 484440 Prior Environment Clearance for Granite Block in an area of 9.58 Ha. (1,517 cum per annum) at Village- Thangaon, Tehsil - Kotma, Dist. Anuppur (MP).**

This is case of Granite Block. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Village- Thangaon, Tehsil - Kotma, Dist. Anuppur (MP) 9.58 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vides letter no. 998 dated: 19/5/17 has reported that there is no more mines operating or proposed within 500 meters around the said mine.

Particulars	Details
Locations	
Village	Thangaon, Tehsil- Kotma, Dist - Anuppur (MP)
Height above mean sea level	568-563 mRL
Nearest State Highway	NH 78 – Kotma Road – 6 km
Nearest Railway Station	Bijuri -4 km
Nearest Airport	Air Strip - Burhar- 65 km.
Ecological Sensitive Areas (Wild Life Sanctuaries) within 10km radius.	No national parks and sanctuary in 5 km radius
Reserved / Protected forest within 10km radius (Boundary to boundary distance)	Nandlal patera RF -0.50 km - E Sonhari RF -3.50 km - SE
Nearest major city with 100000 population within 10km radius	Nil
Nearest Town / City within 10km radius	Bijuri – 1.50 km
Nearest Village	Sugudi - 0.90 km - W
Nearest habitation	0.100km - N
Nearest River	None
Nearest Nalla	Kenai Nala -2.30 km - N Haisa River - 0.75km - NE
Other mines within 10km radius	Coal Mine
Industry within 10km radius	Coal washeries

### Salient feature of the lease area

Particulars	Details
Type of Mine	Open Cast
Mining Lease Area	9.580 ha
Mineable Area	8.1550 ha
Existing Pits & Quarries	Nil
Existing Dumps	Nil
Infrastructure and road	Nil
Mineral Storage	Nil
Plantation	Nil
Total Minable Reserve	245588 cum
Proposed Capacity	1517 cum per year
Method of mining	Semi-Mechanised
Ultimate Depth of Mining	23m bgl (540 m MSL)
Expected Life of Mines	163 years
Lease Period	30 years

Existing mode to transportation	Road
Area to be covered under dumps in conceptual period	Nil
Area covered under pit in conceptual period	8.155 ha
Area to be reclaimed by Backfilling in conceptual period	5.48 ha
Area to be rehabilitated by afforestation in CP	7.155 ha
Area to be covered under water reservoir	2.0 ha
Ground water table	40m bgl (523m MSL)
Assumed per day production	5 M <sup>3</sup>
Per day dumper requirement with capacity	1 dumper per day, capacity 0f dumper 7cum

### Geology of the Mine

The applied area has been sanctioned for block mining of granite as Dolerite. During the period the exploration done by one number of trial pit and three core bore holes for total 44 m drilling, maximum drilling is for 25 m in one bore hole and rest two bore holes are of 8 m depth each. Elevation point of view, highest altitude is of 568 m towards the eastern side, while the lowest point is of 563 m is towards the western side, and thus the total elevation difference is of 5 m. From recovery point of view, average recovery of blocks in Granite formation is 15 % of Granite Zone.

Summarised of geological reserves and mineable reserves	
Particulate	Details
Total geological reserves	2460004.00m <sup>3</sup>
Indicated mineral resources (332) recovery 15% = 2460004 x 0.15	369001.00 m <sup>3</sup>
Mineral block under barrier zone area – 1900 x 7.5x 15x 15%	57713.00 m <sup>3</sup>
Mineral block under maintaining slope –365 x 1200 m <sup>2</sup> x 15%	65700.00 m <sup>3</sup>
Total blocked minerals - 222	123413.00 m <sup>3</sup>
Balance probable mineral reserve – (121 = 332-222) = 369001-123413	245588.00 m <sup>3</sup>
Proposed production capacity per year	1517.00 m <sup>3</sup>
First five year production	5718.00 m <sup>3</sup>
Hence mine life – balance Reserve /Production = 245588-5718 = 239870/1517 +5	158.12+5 = 163.12 or 163 years

### Existing and proposed land use plan

Sr. No	Land Use	Present (Ha)	Conceptual period (Ha)
1.	Pit	Nil	8.1150
2.	Dumps	Nil	Nil
3	Infrastructure & Roads	Nil	Nil
4	Mineral storage	Nil	Nil
5	Plantation Area	Nil	1.00
6	Un worked area	8.00	0.465ha
	Total	9.580	9.580
1	Backfilled area	Nil	5.48
2	Plantation area	Nil	7.1550 (14310 no.)
2.1	Backfilled area	Nil	5.48 (10960 no.)
2.2	Barrier zone	Nil	1.00 (2000 no.)
2.3	Bench	Nil	0.675 (1350no.)
3	Water body	0.10	2.00

The case was presented by the PP and their consultant in the 303<sup>rd</sup> SEAC meeting agenda dated 23-01-2017 during presentation it was submitted by PP that this is a fresh grant case and proposed mining method is Block Mining by adopting the Gali Toda method by using help of wire saw, LD-4, Jack Hammer, Hydraulic Jack, Compressor, Tata Hitachi Shovel excavator and Crane. The individual bench faces will be kept nearly vertical (80° - 85°) while the pit slope will be less than 45°. The Northeastern part of the applied area will be developed from 566 m to 558 m with two benches of average 2-6 m height. Width of benches will be as per DGMS requirements and not less than the height where as Granite bench length will be as per production requirements. During this proposal period, the applied area will be developed with five to six production benches of 5 – 6 m height i.e. 0.692 ha and at the end of conceptual period about 8.155 ha will be developed with ultimate depth up to 540 m MSL. Block mining is proposed wherein block mining is to get three free faces known as the Gali (along the strike) and Toda (across the strike). The basic purpose to prepare the Gali and Toda is to get proper space for block cutting in L shape (combination of Gali and Toda) therefore first Gali and then Toda is developed which is localized for proper functioning of wire saw machine approximately 3 - 6 m space. After getting the L shape vertical and horizontal hole, required depth or height of the bench then making the thread alignment in the rectangular shape the holes are drilled with LD-4 portable DTH drill machine. After getting the bore hole drilled then diamond wire saw machine to cut the bottom with diamond pearls followed by both vertical cuts

making rock free from all the sides and now this block is pushed with help of pneumatic bags or water bags with hydraulic jack 'Power jack' and cut down blocks are lifted to the surface by crane or pock land machine and waste material is kept at required places with the help of dumpers/ tractors.

During presentation PP submitted that about 1360 no. of trees will be planted on both side of the existing unpaved road (1700m) in single rows at plant spacing of 2.5m. Plants of large sized tree species will be planted at spacing of 10m and between any two plants of large size tree, three (03) plants of small sized tree/shrub species, will be planted. The selection of species will depend on the availability of quality planting material.

Following species will be planted both side of road:

Large tree species: Mango, Neem, Jamun, Imli, Mahua, Gulmohar etc

Small tree species: Karanj, Aonla, Amaltas, Bael, Sissoo, Kachnar etc

At the end of 5<sup>th</sup> year 2000 plants at 1.0 ha barrier zone will be planted and at the end of conceptual period about 7.1550 ha area will be plant with 14310number of plants

Proposed Plantation Detail		
Description	Qty	Location
Forest Trees		
Neem	2000	Along the lease Boundary in mine premises and along the road
Mahua	2000	
Bans	1000	
Ornamental Trees		
Amaltash	1000	Along the transportation road/ in premises
Gulmohar	1000	Along the transportation road/ in premises
Satparni	1000	Along the lease Boundary in mine premises
Ashoka Tree	1000	Along the lease Boundary in mine premises
Fruit Trees & Ornamental		
Awala	1000	At the down side of hillock and along the dump
Mango	1000	At the down side of hillock, Along the dump
Jamun	1000	At the down side of hillock and along the dump
Emli	670	At the down side of hillock,
Commercial value Trees		
Sisam	1500	Along the lease Boundary in mine premises
Sissoo	1500	Along the lease Boundary in mine premises and road
TOTAL	15670	



Budget Allocation for Plantation				
S. No.	Head	Qty	Rate (Rs.)	Amount (Rs.)
	<b>Within lease area</b>			
1 <sup>st</sup>	Saplings, with soil work and pesticides	2000	250/-	5,00,000/-
5 <sup>th</sup> to CP	Saplings, with soil work and pesticides	12310	250/-	30,77,500/-
	<b>Total</b>	14310		35,77,500/-
	<b>Along the transport and haul road and along the dump</b>			
1 <sup>st</sup> year	Saplings, with soil work and pesticides and tree guard	1360	350/-	1,26,000
	<b>Total</b>	50		1,26,000/-
	<b>Grand total</b>			<b>37,03,500/-</b>

ENVIRONMENT IMPACT & MANAGEMENT: Ecology: Stage Wise Cumulative Plantation REQUIREMENTS OF PLANTS FOR AFFORESTATION/RECLAMATION										
Year	Barrier zone green belt		Backfilled area		Bench		Inside dump		Total	
	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees	Area (Ha)	Trees
Present	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
1 <sup>st</sup> to 5 <sup>th</sup> year	1.00	2000	-	-	-	-	-	-	1.00	2000
5 <sup>th</sup> to conceptual period	-	-	5.48	10960	0.675	1350	-	-	6.155	12310
<b>Total</b>	1.00	2000	5.48	10960	0.675	1350	-	-	7.155	14310

## SOCIO ECONOMIC MEASURES

Proposed CRS Activities					
SN	Plan	Activity	Place of activity	Budgetary provisions (Rs in lakh)	
				Capital	Recurring
1.	Promotion of quality education	(A) Computer education: providing at least 02 computers in nearby middle school at Thangaon, Bijuri and providing facilities of teacher for computer education and basic education. (B) Providing financial support to the village school.	Nearby Village School (04no.) Computer @ Rs. 25,000 Teacher @ Rs. 10000/month. (weekly per village) Need based support	1.00 1.00	1.20 1.00 2.00

		(C) Computer Room with light arrangement (D) Scholarship of 5 students for higher education	for building repairing, toilets, fresh water supply etc through Gram Panchayat / Gram Sabha		
2	Solar light	5 no. of Solar street light provide to nearby villages nearest habitation, Sugudi, Thangaon, Kudri, Mahuari, Bhagta	12 months		2.00
3	Free medical camp	Medical Checkup facility, first aid and other welfare activities for nearby villagers	Quarterly		1.00
4	Vocational training	Skill development center established at Bijuri for youth, woman's i.e. motor winding training, stitching training for woman and girls	Yearly	10.00	2.00
5	Sanitation	Toilet facility provide with water tank and its maintenance at nearby villages Sugudi, Thangaon, Kudri, Mahuari, Bhagta (Two toilet each for man and women)	Yearly	10.00	2.00
6	Water supply	Drinking water supply with water filter	Yearly	2.50	1.00
7	Play Ground	Provision of play ground	One time	2.50	--
			<b>Total</b>	<b>27.00</b>	<b>12.20</b>

**Total Cost (EMP + CSR+ plantation + Monitoring)**

Particular	Capital	Recurring per annum
Dust Suppression through tanker over 1.70 km road * 6.0m (15Rs/km) Approx running per day 3.40km@300 day (over transportation road)	-	0.15@0.20
Dust Suppression through tanker over 0.20 km road * 8.0m (20Rs/km) Approx running per day 4km@300 day (over haul road)	-	0.24 @0.25
<b>Sub total</b>		<b>0.45</b>
Roads repair and Maintenance (1.70km@2.0lakh per Km)	-	3.40
Construction of transportation road -1.70km@9.0lakh	15.30	-
<b>Sub total</b>	<b>15.30</b>	<b>3.40</b>

Occupational health and safety exp.	4.0	1.80
<b>Sub-total</b>	<b>4.0</b>	<b>1.80</b>
Environmental Monitoring cost	31.50	9.34
<b>Sub-total</b>	<b>31.50</b>	<b>10.34</b>
Plantation Along the village Road	1.26	-
Maintenance of Plantation (Along the village Road & lease area)	-	1.00
Plantation (Capital cost) within lease area	35.78	-
<b>Sub-total</b>	<b>37.04</b>	<b>1.00</b>
Fencing around the lease periphery (1948m @300 running meter)	6.00	1.00
<b>Sub-total</b>	<b>6.00</b>	<b>1.00</b>
<b>Total EMP cost</b>	<b>93.84</b>	<b>16.99</b>
CSR cost	27.00	12.20
<b>Sub total</b>	<b>22.00</b>	<b>11.20</b>
<b>Grand Total</b>	<b>120.84</b>	<b>32.19</b>

It was further submitted by PP that there is no water course in the lease area. The drainage of the lease area is mainly towards south west & south. The ultimate drainage of the area is mainly towards NE carrying the rain water to the Haisa River which is located at NE, direction with distance of 0.750km. The water table goes down 518m MSL i.e. 45 meters below surface during summer and rise upto 523m MSL i.e. 40m bgl during rainy season. At the end of the lease period, the working is likely to reach to 540m MSL i.e. 23mt bgl. Therefore, the water table will not be intersected during working hence hydrology of the area will not have impact. Proposed water body of 2.00ha will further help in water recharging of the area. Surface water source will not be affected in the quarry area as no first order stream is crossing the lease area. Adverse impact over the surface bodies at buffer zone is also not envisaged as mining is opencast type and at small level. Garland drain will be provided the foot of the small hillock in all direction to prevent the flow of silt towards the agricultural land. Three settling tanks is proposed in the lease area with size of 1180sqmx 5mD, 940sqmx 5mD and 630sqmx5mD near BP-3, BP\_11 and BP-18 respectively. Collected water in settling tank will be used for dust suppression and green belt development purpose. Construction of retaining wall need to be started along the foot of hillock prior to start of mining operation and may have dimension of

1mt height and 1500 mt length. The generated waste need to be utilized for backfilling purposes on concurrent basis. Pump of adequate capacity will be installed for dewatering of working pit. Regular de-silting of settling tank is proposed. The proposed drains will be connected to the settling tank. The said tank will be earthen type and will help in recharging of ground water as well as source of water supply to the farmer of the area. PP informed that the wire saw mining method will be used for cutting of Granite. After presentation PP was asked to submit revised CSR with additional budgetary provisions for water supply and play ground for nearby villages and provision for slop stability monitoring in EMP. PP vide letter dated submitted the reply which was found satisfactory and acceptable by the committee.

The EMS and other submissions submitted by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production of Granite to be used as dimension stone shall be as per mine plan with quantity not exceeding 1,517 cum per annum.
2. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
3. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
4. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
5. The proposed plantation should be carried out along as per the submitted proposal and PP would maintain the plants for five years including casualty replacement.
6. The OB should be properly stacked inside the ML area in barrier zone and disposed off as per the submitted plan.
7. Transportation shall not be carried out through forest area.
8. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat.
9. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.

10. Authorization under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
11. Garland drain will be provided the foot of the small hillock in all direction to prevent the flow of silt towards the agricultural land. Three settling tanks is proposed in the lease area with size of 1180sqmx 5mD, 940sqmx 5mD and 630sqmx5mD. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development. Regular de-silting of drains and pits/settling tanks should be carried out.
12. Construction of retaining wall need to be started along the foot of hillock prior to start of mining operation and may have dimension of 1mt height and 1500 mt length.
13. Regular water spraying should be provided on 0.20 km long and 08.00 meter wide haul road and 1.70 km long and 06.00 meter wide transportation road for dust suppression.
14. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
15. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
16. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
17. The proposed EMP cost is Rs. 92.54 lacks and Rs. 18.99 lacks /year are proposed as recurring expenses out of which Rs. 37.04 lacks is proposed for green belt development and Rs. 01.00 lacks /year for recurring expenses for plantation in the proposed EMP of this project.
18. Under CSR activity, Rs. 27.00 lacks are proposed for the next 05 years in different activities with Rs. 12.20 lacks /year as recurring expenses and same should be implemented through respective committees.
19. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
20. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.

21. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
22. PP will comply with all the commitments made vide letter dated 23/12/2017.
23. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

The case was discussed in 681<sup>st</sup> SEIAA meeting dated 04/8/2021 and it was recorded in the minutes that.

Prior EC granted 485<sup>th</sup> SEIAA meeting dated 18/5/2018. Prior EC issued vide letter no. 942-43/SEIAA/18 dated 02/06/2018

PP vide letter dtd. 25/6/2021 requested for amendment in the prior EC issued on 02/06/2018 for inclusion of OB (unsized block) as per mine plan. However in all the documents submitted by PP the production capacity of granite Block is mentioned as 1517 cum/year. PP has not mentioned in Form-1 about unsized block as OB.

PP also mentioned that the orders have been issued recently for the same in Case No. 5768/2018 and 5769/2018.

SEIAA issued the permission for inclusion of overburden unsized block generated during mining of granite vide letter 2777 dtd. 08/9/2020 in case no. 5768/2018 and vide letter no. 1780 dtd. 17/7/2020 (Case 633<sup>rd</sup> dtd. 21/8/2020) in case no. 5769/2018 dtd. 08/9/2020 (625<sup>th</sup> SEIAA dtd. 10/7/2020).

PP submitted the Affidavit vide letter dtd. 01/7/2021 that no mining operation has been carried out at the mine site and also mentioned that the permission given by SEIAA in the case no. 5768 & 5769 on the basis of offline application.

In the MoEF &CC OM dated 18/6/2018, in para2, it is recorded that:-

The matter has been examined in the Ministry and it is submitted that mining projects including dump mining. Overburdens mining etc do require the prior Environmental Clearance as per the provision of Environment impact Assessment (EIA Notification 2006. Therefore it is clarified that as per the provision of the EIA Notification 2006, the mining project stated in the schedule require prior environmental clearance irrespective

of the size of the mine lease area and type of mineral including over burden and dump mining.

After detailed discussion it is observed that SEIAA has permitted offline to sale overburden un sized block generated during mining operation in the case no 5768/2018 issued vide letter no. 2777 dated 8/9/2020 and in the case no. 5769/2018 issued vide letter no. 1780 dtd. 17/7/2020 it was also observed that, as per the Office Memorandum dated 11/6/2019 of MoEF & CC, GoI in both case, PPs have not applied through online application on Parivesh Portal. Therefore it is decided that Prior ECs of the above cases no. 5768/2018 5769/2018 shall be kept in abeyance. All three PPs may be asked for clarification as well as submission of application online through Parivesh Portal.

SEIAA vide letter no. 2707 dated 30.12.2021 sent the case file for **Amendment in EC** for inclusion of stone waste – 8599 cum/year (Salable Crusher Gitti). Hence, in this context the case was scheduled for presentation wherein the was presented by Env. Cosultant Shri Sishupal Verma & , RQP Ms. Nikita Prajapati behalf of PP. Wherein PP submitted following chronology of proposed project:

- Initially our case was recommended in 303<sup>rd</sup> SEAC meeting agenda dated 23-01-2017.
- EC granted in 485<sup>th</sup> SEIAA meeting dated 18-05-2018.
- EC issued vide letter no. 942-43/SEIAA/18 dated 02-06-2018 for Granite Block in an area of 9.58 Ha. (1,517 cum per annum) at Village- Thangaon, Tehsil - Kotma, Dist. Anuppur (MP).
- Later on PP has applied offline for the amendment in EC (for inclusion of stone waste – 8599cum/year (Salable Crusher Gitti).
- SEIAA has asked PP to apply online through Parivesh portal vide letter no. 1706/SEIAA/21 dated 19-08-2021.
- We have now applied for the EC amendment to add the capacity of Stone waste as the (sealable stone waste max 8599 cu.mt/year).
- Production in previous issued EC vide letter no. 942 dated 02-06-2018.
- We also like to inform that we have not obtained the Bhu-pravesh yet hence the mining operation was not started yet.
- A budgetary provision for Environmental management Plan of Rs.18.41 Lakh as capital and Rs. 8.76 Lakh/year.
- As proposed, a minimum of 2850 trees shall be planted as per the submitted plantation scheme.

- Under CER following activities were submitted by PP:

	<b><u>For Social Welfare (in terms of Physical activities)</u></b>	
	<b>Particulars</b>	<b>Amount</b>
	1 solar lights will be installed in village aanganwadi of Thangaon	~15,000/-
	Distribution of 300 fruits bearing trees & fodder grass like Imli, Keth, amla Kathal, Munga, Papaya and Mango to villagers for planting.	~15,000/-
	Distribution of 500nos Masks and Sanitizers 100nos to villagers of Thangaon due to Covid-19	~5,000/-
	Organizing awareness programme related to climate and health Environment	~7,000/-
	<b>Total</b>	<b>~42,000/-</b>

After presentation it was observed by the committee that the EMP and other submissions made by the PP were found satisfactory and acceptable, thus committee after deliberation recommends the case for amendment in existing Environmental Clearance Letter for inclusion of sealable stone waste max 8599 cu.mt/year Other conditions shall remain the same for which EC issued by MPSEIAA vide letter No. 942-43/SEIAA/18 dated 02-06-2018 through Case No. - Case No. - 5611/2017 M/s Shri Radheshyam Minerals, Khedia Bhawan, P.O.Bijuri, Dist. Anuppur, MP - 484440 Prior Environment Clearance for Granite Block in an area of 9.58 Ha. (1,517 cum per annum) at Khasra No. – 1137/1, 1137/2, 1137/3, 1137/5, 1148, 1149/1, 1149/2, 1149/3, 1150, 1152/1, 1152/2, 1157/1, 1157/2, 1157/4, 1157/5, 1158/1, 1158/2, 1158/3, 1159/1, 1159/2Ka, 1159/2Kha, 1159/3, 1160/1, 1160/2, 1160/3, 1160/4, 1160/5, 1161/1, 1161/2, 1161/3, 1163/1, 1163/2, 1164, 1165/1, 1165/2, 1165/3, 1166/1, 1166/2, 1166/3, 1167/1, 1167/2, 1168/1, 1168/2, 1168/3, 1169/1, 1169/2, 1170, 1171, 1172/2 (Pvt. Land) Village- Thangaon , Tehsil- Kotma , District- Anuppur (M.P.), Area – 9.580 Hectare . Other special EC conditions remain same as recommended in the 303<sup>rd</sup> SEAC meeting dated 23-01-2017.



**14. Case No 8752/2021 M/s Guru Kripa Stone Crusher, Shri Chandra Prakash, Partner, F-11, City Bazar, Thatipur, Dist. Gwalior, MP - 474011 Prior Environment Clearance for Stone Quarry in an area of 2.064 ha. (66,000 cum per annum) (Khasra No. 792, 793), Village - Badera, Tehsil - Gohad, Dist. Bhind (MP) RQP Ms. Nikita Prajapati and Mr. Sishupal Verma**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 792, 793), Village - Badera, Tehsil - Gohad, Dist. Bhind (MP) 2.064 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Ms. Nikita Prajapati and Mr. Sishupal Verma on behalf of PP in the SEAC 527 meeting dated 12.11. 2021. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No.4226 dated 06/9/2021 has reported that there are no more mines operating or proposed within 500 meters around the said mine. As per Google image based on online KML file uploaded by PP, around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Canal	30	North	PP submitted that they have already left 70 meters setback and same is attached in the presentation.
Kachha Road	12	East	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.
Habitation	800 860	North East	Controlled blasting

After presentation the committee asked to submit following details:

- Revised Plantation scheme and add proposal of Guggul plantation as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 12.11.2021, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other

submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone-66,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 11.45 Lakh as capital and Rs. 06.97 Lakh/year.
3. Due to canal on north side 70 meters setback shall be left in the allotted lease area.
4. As proposed, a minimum of 2500 trees shall be planted as per the submitted plantation scheme and under CSR Rs. 01.0 Lakh/years is proposed.

राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण, भोपाल द्वारा प्रकरण आन लाईन समिति को प्रेषित ।

प्रकरण पर 696वीं एसईआईए बैठक दिनांक 10/12/21 में चर्चानुसार निम्नानुसार निर्णय लिया गया ....

राज्य स्तरीय विशेषज्ञ मूल्यांकन समिति (एसईएसी) की 527वीं बैठक दिनांक 12/11/2021 में उक्त प्रकरण में पर्यावरणीय स्वीकृति दिये जाने हेतु अनुशंसा व्यक्त की गई है ।

राज्य स्तरीय पर्यावरण समाघात निर्धारण प्राधिकरण (एसईआईए) द्वारा प्रकरण से संबंधित परियोजना प्रस्तावक/आरक्यूपी/पर्यावरण सलाहकार द्वारा प्रस्तुत हस्ताक्षरित व अभिप्रमाणित दस्तावेजों के आधार पर एवं एसईएसी की 527वीं बैठक दिनांक 12/11/21 की अनुशंसा को मान्य करते हुए पर्यावरणीय मुद्दों पर विस्तृत चर्चा व परामर्श उपरांत निम्नलिखित निम्नलिखित निर्णय लिया गया है :-

परियोजनाओं प्रस्तावक द्वारा प्रस्तुत दस्तावेजों कार्यालय कलेक्टर (खनिज शाखा) भिण्ड के एकल प्रमाण पत्र क्रमांक 4226 दिनांक 06/09/2021 के अनुसार प्रस्तावित खदान के 500 मीटर की परिधि में मानव बसाहट, नहर, प्राकृतिक जल स्रोत नहीं होना बताया गया है, यद्यपि अनुमोदित खनन योजना में उल्लेखित अक्षांश-देशांश के आधार पर गूगल इमेज अनुसार प्रस्तावित खदान से 30 मीटर की दूरी पर नहर एवं 12 मीटर की दूरी पर कच्चा रोड़ होना परिलक्षित है ।

उपरोक्त निर्णयानुसार प्रकरण पुनः परीक्षण हेतु समिति के समक्ष प्रस्तुत है ।

In this meeting the case was scheduled for presentation wherein PP has submitted that they have already considered canal which is 30 m in north side of the lease and accordingly already left 70 meters setback and same is presented during meeting regarding Kachcha road at a distance of 12 m in the east side of the lease for which revised surface map is submitted .

The committees after detailed discussion on SEIAA vide letter no. 2590/SEIAA/2021, dated 15.12.2021 deliberated that these distance criteria shall be implemented for only those stone quarry and proposals which were received in SEAC after 1st January 2022 and distance criteria should not be implemented from the retrospective effect. Hence committee stand by earlier recommendation made in the 523rd SEAC meeting dated 28/10/2021.

**15. Case No 8773/2021 M/s Pankaj Minerals, Shri Pankaj Kothari, Partner, House No. 517, E-7, Arera Colony, Dist. Bhopal, MP - 462016 Prior Environment Clearance for Murrum Quarry in an area of 1.0 ha. (6330 Cum per annum) (Khasra No. 02), Village - Barkheda Bondar, Tehsil - Huzur, Dist. Bhopal (MP)**

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 02), Village - Barkheda Bondar, Tehsil - Huzur, Dist. Bhopal (MP) 1.0 Ha. The project requires prior EC before commencement of any activity at site.

The case was presented by RQP Swati Namdeo on behalf of PP in the SEAC 529<sup>th</sup> meeting dated 24.11.2021.. During presentation, PP showed various documents such as lease sanction order, Gram Sabha, DFO NOC, Tehsildar Certificate, MO Certificate, Approved Mine Plan, Khasra Panchshala, P-II, DSR, EMP & PFR for appraisal of project before the committee. It was observed by Committee that as per Collector Office (Ekle Praman-patra) letter No. 2753 dated 13/9/2021 has reported that there are 07 more mines operating or proposed within 500 meters around the said mine with total area of 21.37 ha., including this mine. During presentation PP submitted this is case of Murrum other mines existing within 500 m are crusher stone and crusher stone & Murrum are not homogeneous so consider their case under B-2 category., Committee after discussion and deliberation recommends that in this context PP shall submit M.O. clarification then for further appraisal of this case.

In the SEAC 533<sup>rd</sup> meeting dated 14.12.2021 PP submitted vide letter office of the Collector (Mining Deptt.) Distt. Bhopal vide no. 3268 dated 01.12.2021 has reported Murrum & stone are not homogeneous. PP further submitted that since it is a Murrum Quarry where no drilling & blasting is proposed. Mining shall be done through Opencast

Semi Mechanized Method. Around 500 meters following sensitive features were observed of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Some structure	within lease	-	Photographs and confirmation from competent authority.
Kachha Road	06	West	04 m set back three rows of Plantation towards road side.
Kachha Road	100	South	Three rows of Plantation towards road side.
Human settlement	500	S-West	Three rows of plantation.
N. Drain	355	SE	-

After presentation the committee asked to submit following details:

- Some structure is existing within lease PP shall submit Photographs and confirmation from Gram panchayat or competent authority.
- Revised plantation scheme & species, remove species like Subabool, Khair & Kathal and add species like Putranjiva, Maulshri etc. with incorporating locally available species as suggested by committee.
- Revised grazing land development details with Khasra no. and location with geographic coordinates and if it not feasible then proposed distributing of fodder and fruit bearing trees in the village as suggested by committee.
- Revised EMP with budgetary provision if any component replaced.
- Revised CER- Propose additional budget for mask distribution with nos. in the local village school as suggested by committee during presentation.

PP vide their letter dated 28/12/2021 uploaded online query reply and hard copy as well as on “Parivesh Portal”. PP submitted following submission in response of above quarries:

- Some structure is existing within lease PP shall submit Photographs and confirmation from Gram Panchayat or competent authority- In this context PP has submitted Letter from Nyaylaya , Nayab Tehsildar Circle no. 1 Tehsil Huzur ,Bhopal vide no. 1166 dated 28/12/2021 wherein mentioned that in the within lease where a structure has observed is half constructed structure and in this area mining shall not be proposed uses for office purposes for which an affidavit is also submitted .

The all other queries submitted by PP , which were placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production of Murum as per mine plan with quantity not exceeding 6330 cum/year.
2. A budgetary provision for Environmental management Plan of Rs.06.43 Lakh as capital and Rs. 01.13 Lakh/year.
3. As proposed, a minimum of 1200 trees shall be planted as per the submitted plantation scheme.
4. Under CER following activities were submitted by PP:

<b>For Social Welfare (in terms of Physical activities) at VillageBarkheda Bondar</b>	
<b>Particulars</b>	<b>Amount</b>
▪ Providing 2 Nos of Computer System (@22,500 Rps/System) & one Printer (@5,000 Rps) for computer Lab in Govt. High school situated at Village Barkheda Bondar.	50,000/-
▪ Distribution of 500 Nos. of masks in Govt. High school situated at Village Barkheda Bondar.	~10,000/-
<b>Total</b>	<b>60,000.00</b>

**(A. A. Mishra)**  
**Member Secretary**

**(Dr. Praveen Chandra Dubey)**  
**Chairman**

**Following standard conditions shall be applicable for the mining projects of minor mineral in addition to the specific conditions and cases appraised for grant of TOR:**

**Annexure- 'A'**

**Standard conditions applicable to Stone/Murram and Soil quarries:**

1. Mining should be carried out as per the submitted land use plan and approved mine plan. The regulations of danger zone (500 meters) prescribed by Directorate General of Mines safety shall also be complied compulsorily and necessary measures should be taken to minimize the impact on environment.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and fenced from all around the site. Necessary safety signage & caution boards shall be displayed at mine site.
3. Arrangements for overhead sprinklers with solar pumps / water tankers should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
5. Mineral evacuation road shall be made pucca (WBM/black top) by PP.
6. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
7. Crusher with inbuilt APCD & water sprinkling system shall be installed minimum 100 meters away from the road and 500 meters away from the habitations only after the permissions of MP Pollution Control Board with atleast 04 meters high wind breaking wall of suitable material to avoid fugitive emissions.
8. Working height of the loading machines shall be compatible with bench configuration.
9. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
10. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
11. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
12. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
13. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
14. To avoid vibration, no overcharging shall be carried out during blasting and muffle blasting shall be adopted. Blasting shall be carried out through certified blaster only and no explosive will be stored at mine site without permission from the competent authority.
15. Mine water should not be discharged from the lease and be used for sprinkling & plantations. For surface runoff and storm water garland drains and settling tanks (SS pattern) of suitable sizes shall be provided.
16. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
17. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
18. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
19. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
20. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
21. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
23. All the mines where production is > 50,000 cum/year, PP shall develop its own website to display various mining related activities proposed in EMP & CER along with budgetary allocations. All the six monthly progress report shall also be uploads on this website along with MoEF&CC & SEIAA, MP with relevant photographs of various activities such as garland drains, settling tanks, plantation, water sprinkling arrangements, transportation & haul road etc. PP or Mine Manager shall be made responsible for its maintenance & regular updation.
24. All the soil queries, the maximum permitted depth shall not exceed 02 meters below general ground level & other provisions laid down in MoEF&CC OM No. L-11011/47/2011-IA.II(M) dated 24/06/2013.
25. The mining lease holders shall after ceasing mining operation, undertake re-grassing 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. Moreover, a separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020.
26. The project proponent shall follow the mitigation measures provided in MoEF&CCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
27. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
28. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
29. A display board with following details of the project is mandatory at the entry to the mine.
  - a. Lease owner's Name, Contact details etc.
  - b. Mining Lease area of the project (in ha.)
  - c. Production capacity of the project.
30. Dense plantation/ wood lot shall be carryout in the 7.5 meters periphery/barrier zone of the lease through concern CCF (social forestry) or concerned DFO or any other suitable agency and on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
31. Entire plantation proposed in barrier zone of lease area shall be carried out in the first year itself as per submitted plantation scheme and along the fencing seed sowing of Neem, Babool, Safed Castor etc shall also be carried out.
32. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
33. Local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land through forest department or on other community land available for grassland and fodder development through Gram Panchayat in concerned village and handed over to Gram Panchayat after lease period.
34. During initial three years before onset of monsoon season, minimum 100 saplings or maximum as per submitted plantation scheme and subsequently approved by the SEAC of fodder / native fruit bearing species shall be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government Horticulture nursery. This activity shall be carried out under Govt. of Madhya Pradesh "ANKUR YOJNA" by registering individual villagers on "Vayudoot app". Where ever Aushadhi Vatika (Medicinal Garden) is proposed by PP, a minimum of 50 saplings be planted considering 80% survival with proper protection measures in School or Aganwadi premises.
35. Adequate provisions of water for irrigating plantation shall be made by PP.
36. Activates proposed under CER should be based upon outcome of public hearing in category for B-1 projects. However in case of B-2 projects, CER shall be proposed based upon local need assessment and Gram Panchayat Annual Action Plan.

**Annexure- 'B'**

**Standard conditions applicable for the Sand Mine Quarries\***

1. District Authority should annually record the deposition of sand in the lease area (at an interval of 100 meters for leases 10 ha or > 10.00 ha and at an interval of 50 meters for leases < 10 ha.) before monsoon & in the last week of September and maintain the records in RL (Reduce Level) Measurement Book. Accordingly authority shall allow lease holder to excavate only the replenished quantity of sand in the subsequent year.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars. Necessary safety signage & caution boards shall be displayed at mine site.
3. Arrangements for overhead sprinklers with solar pumps / water tankers should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
4. Only registered vehicles/tractor trolleys with GPS which are having the necessary registration and permission for the aforesaid purpose under the Motor Vehicle Act and also insurance coverage for the same shall alone be used for said purpose.
5. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
6. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
7. Sand and gravel shall not be extracted up to a distance of 1 kilometer (1Km) from major bridges and highways on both sides, or five times (5x) of the span (x) of a bridge/public civil structure (including water intake points) on up-stream side and ten times (10x) the span of such bridge on down-stream side, subjected to a minimum of 250 meters on the upstream side and 500 meters on the downstream side.
8. Mining depth should be restricted to 3 meters or water level, whichever is less and distance from the bank should be 1/4<sup>th</sup> or river width and should not be less than 7.5 meters. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
9. Demarcation of mining area with pillars and geo-referencing should be done prior to the start of mining.
10. PP shall carry out independent environmental audit atleast once in a year by reputed third party entity and report of such audit be placed on public domain.
11. No Mining shall be carried out during Monsoon season.
12. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by the MoEF&CC ensuring that the annual replenishment of sand in the mining lease area is sufficient to sustain the mining operations at levels prescribed in the mining plan.
13. If the stream is dry, the excavation must not proceed beyond the lowest undisturbed elevation of the stream bottom, which is a function of local hydraulics, hydrology, and geomorphology.
14. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
15. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
16. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
17. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights. All these facilities such as rest shelters, site office etc. Shall be removed from site after the expiry of the lease period.
18. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020 and these details should be provided in Annual Environmental Statement.
19. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
20. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
21. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.
22. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.



23. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
24. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
25. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
26. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M dated 16/01/2020.
27. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
28. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
29. A display board with following details of the project is mandatory at the entry to the mine.
  - a. Lease owner's Name, Contact details etc.
  - b. Mining Lease area of the project (in ha.)
  - c. Production capacity of the project.
30. Following conditions must be implemented by PP in case of sand mining as per NGT (CZ) order dated 19/10/2020 in OA NO. 66/2020 and SEIAA's instruction vide letter No. 5084 dated 09/12/2020.
  - i. The Licensee must use minimum number of poclains and it should not be more than two in the project site.
  - ii. The District Administration should assess the site for Environmental impact at the end of first year to permit the continuation of the operation.
  - iii. The ultimate working depth shall be 01 m from the present natural river bed level and the thickness of the sand available shall be more than 03 m the proposed quarry site.
  - iv. The sand quarrying shall not be carried out blow the ground water table under any circumstances. In case, the ground water table occurs within the permitted depth at 01 meter, quarrying operation shall be stopped immediately.
  - v. The sand mining should not disturb in any way the turbidity, velocity and flow pattern of the river water.
  - vi. The mining activity shall be monitored by the Taluk level Force once in a month by conducting physical verification.
  - vii. After closure of the mining, the licensee shall immediately remove all the sheds put up in the quarry and all the equipments used for operation of sand quarry. The roads/pathways shall be leveled to let the river resume its normal course without any artificial obstruction to the extent possible.
  - viii. The mined out pits to be backfilled where warranted and area should be suitable landscaped to prevent environmental degradation.
  - ix. PP shall adhere to the norms regarding extent and depth of quarry as per approved mining plan. The boundary of the quarry shall be properly demarcated by PP.
31. Species such as Khus Slips and Nagar Motha shall be planted on the river banks for bank stabilization and to check soil erosion while on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
32. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
33. Local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land through forest department or on other community land available for grassland and

fodder development through Gram Panchayat in concerned village and handed over to Gram Panchayat after lease period.

34. During initial three years before onset of monsoon season, minimum 100 saplings or maximum as per submitted plantation scheme and subsequently approved by the SEAC of fodder / native fruit bearing species shall be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government Horticulture nursery. This activity shall be carried out under Govt. of Madhya Pradesh “ANKUR YOJNA” by registering individual villagers on “Vayudoot app”. Where ever Aushadhi Vatika (Medicinal Garden) is proposed by PP, a minimum of 50 saplings be planted considering 80% survival with proper protection measures in School or Aganwadi premises.
35. Adequate provisions of water for irrigating plantation shall be made by PP.
36. Activates proposed under CER should be based upon outcome of public hearing in category for B-1 projects. However in case of B-2 projects, CER shall be proposed based upon local need assessment and Gram Panchayat Annual Action Plan.

**Annexure- ‘C’**

**Standard conditions applicable for the Sand deposits on Agricultural Land/ Khodu Bharu Type Sand Mine Quarries\***

1. Mining should be done only to the extent of reclaiming the agricultural land.
2. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
3. The mining shall be carried out strictly as per the approved mining plan.
4. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars and necessary safety signage & caution boards shall be displayed at mine site.
5. Arrangements for overhead sprinklers with solar pumps / water tankers should be provided for dust suppression at the exit of the lease area and fixed types sprinklers on the evacuation road. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
6. The mining activity shall be done as per approved mine plan and as per the land use plan submitted by PP.
7. Transportation of material shall only be done in covered & PUC certified vehicles with required moisture to avoid fugitive emissions. Transportation of minerals shall not be carried out through forest area without permissions from the competent authority.
8. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.
9. For carrying out mining in proximity to any bridge and/or embankment, appropriate safety zone on upstream as well as on downstream from the periphery of the mining site shall be ensured taking into account the structural parameters, location aspects, flow rate, etc., and no mining shall be carried out in the safety zone.
10. No Mining shall be carried out during Monsoon season.
11. The mining shall be carried out strictly as per the approved mine plan and in accordance with the Sustainable Sand Mining Management Guidelines, 2016 issued by the MoEF&CC.
12. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
13. Thick plantation shall be carryout on the banks of the river adjacent to the lease, mineral evacuation road and common area in the village. PP would maintain the plants for five years including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
14. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
15. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
16. A separate bank account should be maintained for all the expenses made in the EMP and CER activities by PP for financial accountability and these details should be provided in Annual Environmental Statement. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
17. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
18. The amount towards reclamation of the pit and land in MLA shall be carried out through the mining department. The appropriate amount as estimated for the activity by mining department has to be deposited with the Collector to take up the activity after the mine is exhausted.

19. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
20. The leases which are falling <250 meters of the forest area and PP has obtained approval for the Divisional Level Commissioner committee, all the conditions stipulated by Divisional Level Commissioner committee shall be fulfilled by the PP.
21. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
22. If it being a case of Temporary Permit (TP), the validity of EC should be only up to the validity of TP and PP has to ensure the execution of closure plan.
23. A separate budget in EMP & CER shall maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020.
24. The project proponent shall follow the mitigation measures provided in MoEFCCs Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area".
25. Any change in the correspondence address shall be duly intimated to all the regulatory authority within 30 days of such change.
26. A display board with following details of the project is mandatory at the entry to the mine.
  - a. Lease owner's Name, Contact details etc.
  - b. Mining Lease area of the project (in ha.)
  - c. Production capacity of the project.
27. Species such as Khus Slips and Nagar Motha shall be planted on the nearby river banks for bank stabilization and to check soil erosion while dense plantation/ wood lot shall be carryout in the 7.5 meters periphery/barrier zone of the lease through concern CCF (social forestry) and on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
28. Dense plantation/ wood lot shall be carryout in the 7.5 meters periphery/barrier zone of the lease through concern CCF (social forestry) or concerned DFO or any other suitable agency and on mineral evacuation road & common area in the village through any suitable Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
29. Entire plantation proposed in barrier zone of lease area shall be carried out in the first year itself as per submitted plantation scheme.
30. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
31. Top soil shall be simultaneously used for the plantation within the lease area and no OB/dump shall be stacked outside the lease area. PP should take-up entire plantation activity within initial three years of mining operations and shall maintain them for entire mine life including casualty replacement. PP should also maintain a log book containing annual details of tree plantation and causality replacement and to take adequate precautions so as not to cause any damage to the flora and fauna during mining operations. Plantation in adjoining forest land shall be carried out through concerned DFO and commensurate budget shall be transferred for plantation to DFO.
32. Local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land through forest department or on other community land available for grassland and fodder development through Gram Panchayat in concerned village and handed over to Gram Panchayat after lease period.
33. During initial three years before onset of monsoon season, minimum 100 saplings or maximum as per submitted plantation scheme and subsequently approved by the SEAC of fodder / native fruit bearing species shall be distributed in nearby villagers to promote plantation and shall be procured from social forestry nursery/ Government Horticulture nursery. This activity shall be carried out under Govt. of Madhya Pradesh "ANKUR YOJNA" by registering individual villagers on

“Vayudoot app”. Where ever Aushadhi Vatika (Medicinal Garden) is proposed by PP, a minimum of 50 saplings be planted considering 80% survival with proper protection measures in School or Aganwadi premises.

34. Adequate provisions of water for irrigating plantation shall be made by PP.
35. Activates proposed under CER should be based upon outcome of public hearing in category for B-1 projects. However in case of B-2 projects, CER shall be proposed based upon local need assessment and Gram Panchayat Annual Action Plan.

**Annexure- ‘D’**

**General conditions applicable for the granting of TOR**

1. The date and duration of carrying out the baseline data collection and monitoring shall be informed to the concerned Regional Officer of the M.P Pollution Control Board.
2. During monitoring, photographs shall be taken as a proof of the activity with latitude & longitude, date, time & place and same shall be attached with the EIA report. A drone video showing various sensitivities of the lease and nearby area shall also be shown during EIA presentation.
3. An inventory of various features such as sensitive area, fragile areas, mining / industrial areas, habitation, water-bodies, major roads, etc. shall be prepared and furnished with EIA.
4. An inventory of flora & fauna based on actual ground survey shall be presented.
5. Risk factors with their management plan should be discussed in the EIA report.
6. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
7. The EIA document shall be printed on both sides, as far as possible.
8. All documents should be properly indexed, page numbered.
9. Period/date of data collection should be clearly indicated.
10. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
11. The copy of the letter received from the SEAC prescribing TOR for the project should be attached as an annexure to the final EIA/EMP report.
12. The final EIA/EMP report submitted to the SEIAA must incorporate all issues mentioned in TOR and that raised in Public Hearing with the generic structure as detailed out in the EIA report.
13. Grant of TOR does not mean grant of EC.
14. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared. If consultant has engaged other laboratory for carrying out the task of monitoring and analysis of pollutants, a representative from laboratory shall also be present to answer the site specific queries.
15. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated. The consultant while submitting the EIA/EMP report shall give an undertaking to the effect that the prescribed TORs (TOR proposed by the project proponent and additional TOR given by the MOEF & CC) have been complied with and the data submitted is factually correct.
16. While submitting the EIA/EMP reports, the name of the experts associated with involved in the preparation of these reports and the laboratories through which the samples have been got analyzed should be stated in the report. It shall be indicated whether these laboratories are approved under the Environment (Protection) Act, 1986 and also have NABL accreditation.
17. All the necessary NOC's duly verified by the competent authority should be annexed.
18. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
19. The EIA report should clearly mention activity wise EMP and CER cost details and should depict clear breakup of the capital and recurring costs along with the timeline for incurring the capital cost. The basis of allocation of EMP and CER cost should be detailed in the EIA report to enable the comparison of compliance with the commitment by the monitoring agencies.
20. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
21. The name and number of posts to be engaged by the PP for implementation and monitoring of environmental parameters should be specified in the EIA report.

22. EIA report should be strictly as per the TOR, comply with the generic structure as detailed out in the EIA notification, 2006, baseline data is accurate and concerns raised during the public hearing are adequately addressed.
23. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
24. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006. The issues raised in public hearing shall be properly addressed in the EMP and suitable budgetary allocations shall be made in the EMP and CER based on their nature.
25. Actual measurement of top soil shall be carried out in the lease area at minimum 05 locations and additionally N, P, K and Heavy Metals shall be analyzed in all soil samples. Additionally in one soil sample, pesticides shall also be analyzed.
26. A separate budget in EMP & CER shall be maintained for development and maintenance of grazing land as per the latest O.M, of MoEF&CC issued vide letter F.No. 22-34/2018-IA. III, dated 16/01/2020.
27. PP shall submit biological diversity report stating that there is no adverse impact in- situ and on surrounding area by this project on local flora and fauna's habitat, breeding ground, corridor/ route etc. This report shall be filed annually with six-monthly compliance report.
28. The project proponent shall provide the mitigation measures as per MoEFCC's Office Memorandum No. Z-11013/57/2014-IA. II (M) dated 29th October 2014, titled "Impact of mining activities on Habitations-issues related to the mining Projects wherein Habitations and villages are the part of mine lease areas or Habitations and villages are surrounded by the mine lease area" with EIA report.
29. LPG gas shall be provided for camping labour under "Ujjwala Yojna .
30. In the project where ground water is proposed as water source, the project proponent shall apply to the competent authority such as Central Ground Water Authority (CGWA) as the case may be for obtaining, No Objection Certificate (NOC).
31. Consideration of mining proposals involving violation of the EIA Notification, 2006, the project proponent shall give an undertaking by way of affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court of India dated 02/08/2017 in WP © No. 114 of 2014 in the matter of Common Cause V/s Union of India & others before grant of TOR/EC. The under taking interalia includes commitment of the PP not to repeat any such violation in future as per MoEF&CC OM No. F.NO. 3-50/2017-IA.III (Pt.) dated 30/05/2018.
32. The mining project proponents involving violations of the EIA Notification, 2006 under the provisions of S.O. 804 (E) dated 14/03/2017 and subsequent amendments for TOR/EC shall give an undertaking by way of affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2<sup>nd</sup> August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors. Before grant of TOR/EC the undertaking inter-alia include commitment of the PP not to repeat any such violation of future. In case of violation of above undertaking, the TOR/Environmental Clearance shall be liable to be terminated forthwith.
33. Under CER scheme commitments with physical targets shall be included in EIA report for:
  - ✓ Proposal for CER activities based upon commitment made during public hearing and COVID-19 pandemic.
  - ✓ Activities such as solar panels in school, awareness camps for Oral Hygiene, Diabetes and Blood Pressure, works related to plantation (distribution of fruit & fodder bearing trees) vaccination, cattle's health checkup etc. in concerned village shall be proposed.
  - ✓ No fuel wood shall be used as a source of energy by mine workers. Thus proposal for providing solar cookers / LPG gas cylinders under "Ujjwala Yojna" to them who are residing in the nearby villages, shall be considered.
  - ✓ PP's commitment that activities proposed in the CER scheme will be completed within initial 03 years of the project and in the remaining years shall be maintained shall be submitted with EIA report.
34. Under Plantation Scheme commitments with budgetary allocations shall be included in EIA report for :
  - ✓ Comprehensive green belt plan with commitment that entire plantation shall be carried out in the initial three years and will be maintained thereafter with causality replacement. Proposal for distribution of fruit bearing species for nearby villagers shall also be incorporated in the plantation scheme and for which a primary survey for need assessment in concerned village shall be carried out.
  - ✓ Commitment that plantation shall be carried out preferably through Govt. agency (such as Van Vikas Nigam / Van Samiti under monitoring and guidance of Forest Range officer with work permission from DFO

- concerned / Gram Panchayat / Agricultural department or any other suitable agency having adequate expertise as per the budgetary allocations made in the EMP.
- ✓ Commitment that high density plantation (preferably using “Miyawaki Technique or WALMI technique) shall be developed in 7.5m barrier zone left for plantation through concern CCF (social forestry) or concerned DFO or any other suitable agency.
- ✓ Commitment that local palatable mixture of annual and perennial grass and fodder tree species shall be planted for grassland/fodder development on degraded forest land suitable for the purpose through Gram Panchayat on suitable community land in the concerned village area and handed over to Gram Panchayat after lease period.
- ✓ PP shall explore the possibility for plantation in adjoining forest land in consultation with concerned DFO and commensurate budget shall be transferred for plantation to DFO.
- ✓ Where ever Aushadhi Vatika (Medicinal Garden) is proposed by PP, minimum 50 saplings be planted considering 80% survival.
- ✓ Adequate provisions of water for irrigating plantation shall be made by PP.

**FOR PROJECTS LOCATED IN SCHEDULED (V) TRIBAL AREA , following should be studied and discussed in EIA Report before Public Hearing as per the instruction of SEIAA vide letter No. 1241 dated 30/07/2018.**

35. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
36. Detailed analysis of availability and quality of the drinking water resources available in the block.
37. A study by CPCB of the methodology of disposal of industrial waste from the existing industries in the block, whether it is being done in a manner that mitigate all health and environmental risks.
38. The consent of Gram Sabah of the villages in the area where project is proposed shall be obtained.