

The 444th meeting of the State Expert Appraisal Committee (SEAC) was held on 03rd July, 2020 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting in person or through video conferencing -

1. Dr. Mohd. Akram Khan, Member.
2. Dr. A. K. Sharma, Member.
3. Dr. Sonal Mehta, Member.
4. Dr. Jai Prakash Shukla, Member.
5. Dr. R. Maheshwari, Member.
6. Dr. Rubina Chaudhary, Member.

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

1. Case No 7237/2020 M/s. UltraTech Cement Limited, Dr. K.V.Reddy, Vice President & Corporate Head - Environment, Ahura Centra, A-wing, 1st Floor, Mahakali Caves Road, Andheri(E), Dist. Mumbai, Mah. – 400093 Prior Environment Clearance for Limestone Mine in an area of 52.353 ha. (Limestone - 1.0 Million TPA, Waste - 0.5 Million TPA), Village - Kundla, Suvkheda, Morka & Segwa, Tehsil - Jawad, Dist. Neemuch (MP)

This is a mining project pertaining to mining of Limestone - 1.0 Million TPA, Waste - 0.5 Million TPA from a lease area of 52.353 ha.. The project is covered under the provisions of EIA notification. It is mentioned as item 1(a) in the schedule of the EIA notification hence requires prior EC from SEIAA. The project is located at Village - Kundla, Suvkheda, Morka & Segwa, Tehsil - Jawad, Dist. Neemuch (MP). The application for EC was forwarded by the SEIAA to SEAC.

PP and their consultant presented the EIA before the committee during discussion following details of this project was submitted by the PP:

Proposed Limestone Mine (Area: 52.353 ha) with Limestone Production Capacity 1.0 Million TPA and Waste 0.5 Million TPA (Total Excavation 1.5 Million TPA at Villages Kundla, Suvakheda, Morka&Segwa, Tehsil -Jawad, District-Neemuch, Madhya Pradesh by M/s. UltraTech Cement Limited.As per EIA notification dated: 14th September, 2006 as amended on date, the project falls under “Category B, Project or activity 1 (a) (4)”.

Introduction-

- M/s. UTCL has an Integrated Cement Plant with existing capacity of Clinker 4.0 MTPA and Cement 6.67 MTPA located at Villages - Suvakheda, Maheshpuria and Morka, Tehsil - Jawad, District - Neemuch (Madhya Pradesh).

- UTCL has proposed expansion in its existing Cement Plant in production capacity of Clinker from 4.0 MTPA to 6.2 MTPA and Cement from 6.67 MTPA to 10.33 MTPA for which EC has already been obtained by MoEF&CC on 13th August, 2012. Validity of Environment Clearance was extended by MoEFCC vide their letter J-11011/616/2010-IA.II (I) dated 09.03.2020.
- Presently, the company is fulfilling its limestone requirement from existing captive mines located in close vicinity of the plant in which limestone reserves are very limited, therefore to enhance the life of plant UltraTech Cement Limited (Unit: Vikram Cement Works) has proposed this Limestone mining project (ML Area: 52.353 ha) with Production Capacity of 1.0 million TPA limestone and 0.5 million TPA of waste at Villages: Kundla, Suvakheda, Morka&Segwa, Tehsil - Jawad, District-Neemuch, Madhya Pradesh.

Location-

The mining lease is located at Villages Kundla, Suvakheda, Morka&Segwa, Tehsil - Jawad, District-Neemuch, Madhya Pradesh. Study area falls within the Survey of India Toposheet No. G43U14 & G43U15. The Project is located in Seismic zone-II as per IS: 1893 (Part-I) : 2002. The Latitude of the project site is 24033'1.63" N to 24034'11.61" N and Longitude is 74051'21.3" E to 74052'0.8" E.

Chronology of the project

S.No.	ACTIVITY	Date
1.	Application for ToR submission to MoEFCC, New Delhi	01.03.2018
2.	ToR Presentation before EAC (Non Coal mining)	24.04.2018
3.	ToR Letter issued by MoEFCC, new Delhi	10.05.2018
4.	Notification issued by MoEF&CC regarding change in category of the project on the basis of lease area, according to which, projects <100 ha will be considered under B category at state level	14.08.2018
5.	UTCL submitted a letter to MoEF&CC regarding transfer of file to SEIAA, MP	06.12.2018
6.	MoEF&CC issued an order in the name of SEIAA, MP regarding transfer of file	02.01.2019
7.	Public Hearing documents submitted to MPPCB	21.01.2019
8.	Letter from SEIAA, MP stating "proposal will be accepted after screening"	29.01.2019
Public hearing was scheduled on 27.03.2019 but it was postponed due to execution of code of conduct (elections)		
10.	Public Hearing conduction	05.07.2019

11.	Final EIA report submission to SEIAA, MP	31.01.2020
12.	Essential Details were sought by SEIAA, MP	05.02.2020
13.	Reply of essential Details submission to SEIAA, MP	24.02.2020
14.	Final documents submitted in hard copy to SEIAA, MP	18.06.2020

Environmental Settings-

S. No.	Particulars	Details
1.	Villages close proximity to Mine	<ul style="list-style-type: none"> ➤ Village Morka ~500 m in SE direction ➤ Village Segwa ~800 m in NNW direction ➤ Village Kundla ~ 1.5 km in NW direction ➤ Village Suvakheda ~ 1.5 km in SW direction
2.	Nearest State/National Highway	<ul style="list-style-type: none"> ➤ NH 79 (~6 km in WSW direction) ➤ SH-31 (~6.5 km in South direction)
3.	Nearest Railway Station	➤ Jawad Road (~9.0 km West direction)
4.	Nearest Airport	➤ Maharana Pratap Airport, Udaipur (~98 km in WNW Direction)
5.	Inter State/District Boundary	Rajasthan-Madhya Pradesh Interstate Boundary (~7.5Km in WNW Direction)
6.	Wild Life Sanctuaries, National parks, biosphere reserves, Tiger/Elephant Reserves, Migratory Routes of Birds within 10km radius study area	None
7.	Reserved / Protected Forest within 10 km radius study area	<ul style="list-style-type: none"> ➤ Jharoti RF (~7.5 km in NNE direction) ➤ JunaBir RF (~ 9.0 km in NE direction)
8.	Water bodies within 10 km radius study area	<ul style="list-style-type: none"> ➤ Seasonal Gambhiri River (~4.5 km in North Direction) ➤ One seasonal nallah adjacent in west direction
9.	Critically Polluted Area within study area	None
10.	Seismic Zone	Zone – II as per IS: 1893 (Part-I) : 2002

Mining Lease Status-

- The Mineral resource department of M.P. granted prospecting license vide order No.F2-17/2009/12/2 dated 15.03.2013. The prospecting license deed was executed on

19.06.2013. The applicant applied entire PL area for grant of Mining Lease under rule 7(1) of Mineral (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016 over 52.353 ha on 17.09.2015.

- A letter of Intent is issued by Government of Madhya Pradesh; Department of Mineral resources vide letter no F 3-2/2016/12-1 dated 30.03.2017 over an area of 52.353 ha under section 10 A (2) (b) and 8A (2) of MMDR Amendment Act 2015.
- State Government had granted the mining lease over an area of 52.353 ha vide order no F3-2/2016/12-1 dated 17/05/2018. Lease deed was executed and registered on 29.06.2018.
- Total Mining Lease area is 52.353 ha, out of which 27.788 ha is Government land and 24.565 ha is Private land. No habitation exists in the proposed ML Area. No forest land is involved within the Mining Lease Area as per revenue records. Letter for the same has been obtained from DFO vide their letter dated 02.02.2019. There is no Wildlife Sanctuary, National Park, Biosphere Reserves, Protected Forest and Migratory Routes for fauna exists within 10 km radius study area. Authentication of location map has been obtained from Chief Wildlife Warden and Principal Chief Conservator of Forest vide their letter dated 01.04.2019. Four schedule I fauna namely Peafowl, Monitor lizard, Python and Leopard found in the study area. Conservation Plan with an amount of Rs. 40.5 Lakh has been prepared and approved by DFO and forwarded to PCCF vide their letter dated 29.11.2019.

Project Requirements Details

S. No.	Particulars	Requirement	Source
1.	Water Requirement	145 KLD	Harvested rainwater of existing Mines sump of VCLM I, II & proposed ML area sump in future
2.	Manpower Requirement	83 Persons	Existing manpower of captive mines & partially through recruitment
3.	Power Requirement	0.2 MW	Captive Thermal Power Plant
4.	Land Requirement	52.353 ha (Government Land 27.788 ha + Private Land 24.565 ha)	
5.	Total Cost for the Project	Rs. 17.0 Crores/-(EMP capital cost included)	

6.	Cost for Environmental Protection Measures	Capital Cost: Rs 1.20 Crores/- Recurring Cost: Rs. 18.40 Lakhs/annum.
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Mining Details

S. No.	Particulars	Details
1.	Method of mining	Fully Mechanized Opencast mining using HEMM including deep hole drilling & blasting
2.	Total Geological Reserves	32.2 Million Tones
3.	Total Mineable reserves	17.02 Million Tones
4.	Proposed Life of the Mine	~23 years
5.	Bench Height	8 m
6.	Bench Width	30 m
7.	Overall Pit Slope	45°
8.	Elevation Range	466 mRL to 476 mRL
9.	General Ground Level	471 mRL
10.	Water Table	16.2 m bgl to 25. m bgl
11.	Ultimate Working Depth	426 mRL (50 mbgl)
12.	Stripping Ratio (Waste: Mineral) (tonnes.:cu.m.)	1:05
13.	Number of Working Days	320 days/year
14.	Number of shifts per day	2

Method of Mining-

- Mining operation will be carried out by opencast mechanized method, utilizing Heavy Earth Moving Machines (HEMM) in conjunction with deep hole drilling & controlled blasting. About 3125 TPD of limestone from the mine from the mine phase will be

crushed at crusher located in other mine of the company in the vicinity i.e, VCLM-II (ML area 342.612 ha) via internal roads. Crushed material will be conveyed from crusher to Plant by covered conveyor belt. The length of the conveyor belt is ~6.8 km.

- At the conceptual stage, about 12.77 ha area mostly along footwall side will be backfilled out of total excavated area of 37.13 ha. Remaining area i.e. 24.36 ha will be converted as water reservoir.
- At the end of the life of mine total 23.32 ha (12.77 ha on backfilled area, 5.45 ha around lease periphery and 5.1 ha on OB dump area) area will be covered under greenbelt and plantation. Local and Indigenous plant species will be planted in consultation with forest department.
- Till the end of the life of mine 23.32 ha will be covered under greenbelt and plantation.

PP further stated that, earlier as per EIA Notification dated 14th September, 2006, the project falls under Category “A”. Then on 14th August, 2018, MoEFCC has issued a Notification, according to which, projects <100 ha will considered under Category “B” at state level. Our Mining lease area is 52.353 ha., therefore, now category of project has been changed from Category A to Category B and our project will consider at SEIAA/SEAC Madhya Pradesh. Total Mining Lease area is 52.353 ha, out of which 27.788 ha is Government land and 24.565 ha. is Private land, no habitation exists in the proposed ML Area, no forest land is involved within the M.L. area as per revenue records. There is no Wildlife Sanctuary, National Park, Biosphere Reserves, Protected Forest and Migratory Routes for fauna exists within 10 km radius study area. Authentication of location map has been obtained from Chief Wildlife Warden and Principal Chief Conservator of Forest vide their letter dated 01.04.2019. Four Schedule I fauna namely Peafowl, Monitor lizard, Python and Leopard found in the study area. Conservation Plan with an amount of Rs. 40.5 Lakh has been prepared and approved by DFO and forwarded to PCCF vide their letter dated 29.11.2019.

PP elaborated that mining operation will be carried out by opencast mechanized method, utilizing Heavy Earth Moving Machines (HEMM) in conjunction with deep hole drilling & controlled blasting. Limestone from the mine phase will be crushed at crusher located in other mine of the company in the vicinity i.e, VCLM-II (ML area 342.612 ha) transported via internal roads and crushed material will be transported from crusher to plant by covered conveyor belt. The length of the conveyor belt is ~6.8 km. At the conceptual stage, about 12.77 ha area mostly along footwall side will be backfilled out of total excavated area of 37.13 ha. remaining area i.e. 24.36

ha will be converted as water reservoir. Till the end of the life of mine 23.32 ha will be covered under greenbelt and plantation, Plantation: 17.87 ha (12.77 ha on backfilled area and 5.1 ha on OB dump area). 58,300 no of saplings will be planted over an area of 23.32 ha with plant species like - Maharukh, Khirni, Sisoo, Chirol, Mahua, Neem, Bargad and Amaltasin consultation with local forest department. The GW intersection is proposed in the project. During presentation it was also observed that out of 52.353ha land, 27.788 ha is Government Land and 24.565 is private land. The entire private land is not in possession of PP at present for which PP submitted that initial 05 years production is proposed in Government land and thus to begin mining operations the private land is not required and they will procure the remaining provate land during this period and will provide undertaking for this. PP further submitted that lime stone from project site to the cement plant will be transported through conveyer belt as being done in other mine in existence near this mine. During presentation it was observed by committee that at some places there is data mismatch from the Form II and EIA report such as in Form II it is mentioned that this project involves R&R while in EIA report, No R&R is mentioned for which PP submitted that actually there is no R&R in this project and they will submit a clarification in this regard. Further PP also clarifies that no external OB dumps outside the lease area are proposed in this project.

After presentation, PP was asked to provide response on following:

1. Undertaking from PP that mining operation is proposed in the next five years shall be done in the land of their possession.
2. Top soil management plan.
3. Details of stripping ratio.
4. Undertaking/ Clarify that no outside dump from the M.L. area is proposed.
5. Undertaking that no R&R is involved in the project.
6. Justification for 01 KLD water for drinking and sanitation.
7. Water table details during pre-post monsoon.
8. Details of blasting along with safety measured.
9. Grassland development budget shall be added in the EMP and CER.

PP vide their letter dated 03.07.2020 submitted query reply which was placed before the committee which was 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 Limestone Mine in an area of 52.353 ha. (Limestone - 1.0 Million TPA, Waste - 0.5 Million TPA), Village - Kundla, Suvkheda, Morka & Segwa, Tehsil - Jawad, Dist. Neemuch (MP) (M.P.) subject to the following special conditions:

I. Statutory compliance:

- I. This Environmental Clearance (EC) is subject to orders/judgment of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any Court of Law, Common Cause Conditions as may be applicable.
- II. The project proponent complies with all the statutory requirements and Judgment of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors before commencing the mining operations.
- III. The State Government concerned shall ensure that mining operation shall not be commenced till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of Judgments of Hon'ble Supreme Court dated 2nd August, 2017 in Writ Petition (Civil) No. 114 of 2014 in matter of Common Cause versus Union of India & Ors.
- IV. The Environmental Clearance shall become operational only after receiving formal NBWL Clearance from MoEF&CC subsequent to the recommendations of the Standing Committee of National Board Wildlife, if applicable to the project.
- V. This Environmental Clearance shall become operational only after receiving formal Forest Clearance (FC) under the provision of Forest Conservation Act, 1980, if applicable to the Project.
- VI. The mining activity shall not commence prior to obtaining Consent to Establish/Consent to Operate from the concerned State Pollution Control Board/Committee.
- VII. The PP shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Department & Regulation, Act, 2015 and rules & regulations made there under PP shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines from time to time.
- VIII. The Project Proponent shall obtain consents from all the concerned land owners, before start of mining operations, as per the provisions of MMDR Act, 1957 and rules made there under in respect of lands which are not owned by it.

- IX. 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” .
- X. A copy of EC letter will be marked to concerned Panchayat/local NGO etc. if any from whom suggestion/representation has been received while processing the proposal.
- XI. The Project Proponent shall inform the MoEF&CC for any change in ownership of the mining lease. In case there is any change in ownership of mining lease is transferred than mining operation shall only be carried out after transfer of EC as per provision of the Para-11 of EIA Notification, 2006 as amended from time to time.

II. Air quality monitoring and preservation

- I. The Project Proponent shall install a minimum of 01 (one) online Ambient Air Quality Monitoring Stations and two manual air quality monitoring station with 1 (One) in upwind and 2 (two) in downwind direction based on long term climatologically data about wind direction such that an angle of 120^o is made between the monitoring locations to monitor critical parameters, relevant for mining operations, of air pollution viz, PM10, PM2.5, NO2, CO and SO2 etc. as per the methodology mentioned in NAAQS Notification No. B-29016/20/90/PCI/I, dated 18/11/2009 covering the aspects of transportation and use of heavy machinery in the impact zone. The ambient air quality shall also be monitored at prominent places like office building. Canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in from of the main Gate of the mine sit.
- II. Effective safeguard measures for prevention of dust generation and subsequent suppression (like regular water sprinkling, metalled road construction etc) shall be carried out in areas prone to air pollution wherein high levels of PM10 and PM2.5 are evident such as haul road. Loading and unloading point and transfer points. The Fugitive dust emissions from all sources shall be regularly controlled by installation of required equipments/machineries and preventive maintenance. Use of suitable water soluble chemical dust suppressing agents may be explored for better effectiveness of dust control system. In shall be ensured that air pollution level conform to the standards prescribed by the MoEFCC/Central Pollution Control Board.

III. Water quality monitoring and preservation

- I. In case immediate mining scheme envisages intersection of ground water table, then Environmental Clearance shall become operational only after receiving formal clearance from CGWA. In case mining operation involves intersection of ground water table at a later stage, then PP shall ensure that prior approval from CGWA and MoEFCC is in place before such mining operations. The permission for intersection of ground water table shall essentially be based on detailed hydro-geological study of the area.
- II. Regular monitoring of the flow rate of the springs and perennial nallahs flowing in and around the mine lease shall be carried out and records maintain. The natural water bodies and or streams which are flowing in an around the village, should not be disturbed. The Water Table should be nurtured so as not go down below the pre-mining period. In case of any water scarcity in the area, the Project Proponent has to provide water to the villagers for their use. A provision for regular monitoring of water table in open dug wall located in village should be incorporated to ascertain the impact of mining over ground water table. The Report on changes in Ground Water level and quality shall be submitted on six-monthly basis to the Regional office of the Ministry, CGWA and State Groundwater Department/State Pollution Control Board.
- III. Project Proponent shall regularly monitor and maintain records w.r.t. ground water level and quality in an around the mine lease by establishing a network of existing wells as well as new piezo-meter installations during the mining operating in consultation with Central Ground Water Authority /State Ground Water Department. The Report on changes in ground water level and quality shall be submitted on six-monthly basis to the Regional Office of the Ministry, CGWA and State Groundwater Department/State Pollution Control Board.
- IV. The project Proponent shall undertake regular monitoring of natural water course/water resources/springs and perennial nallahs existing/flowing in and around the mine lease and maintain its records. The project proponent shall undertake regular monitoring of water quality upstream and downstream of water bodies passing within and nearby adjacent to the mine lease and maintain its records. Sufficient number of gullies shall be provided at appropriate places within the lease for management of water. PP shall carryout regular monitoring w.r.t. pH and included the same in monitoring plan. The parameters to be monitored shall include their water quality vis-à-vis suitability of usage as per CPCB criteria and flow rate. It shall be ensured that no obstruction and/or alteration be made to water bodies during mining operations without justification and prior approval of MoEFCC. The

monitoring of water courses/bodies existing in lease area shall be carried out four times in a year viz. pre-monsoon (April-May), monsoon (August) post monsoon (November) and winter (January) and the record of monitored data may be sent regularly to Ministry of Environmental. Forest and Climate Change and its Regional Office, Central Ground Water Authority and Regional Director, Ground Water Board. State Pollution Control Board and Central Pollution Control Board. Clearly showing the trend analysis on six monthly basis.

- V. Quality of pollution water generated from mining operations which include Chemical Oxygen Demand (COD) in mines run-off; acid mine drainage and metal contamination in runoff shall be monitored along with Total Suspended Solids (TDS), Dissolved Oxygen (DO), pH and Total Suspended Solids (TSS). The monitored data shall be uploaded on the website of the company as well as displayed at the project site in public domain, on a display board, at a suitable location near the main gate of the Company. The circular No. J-20012/1/2006-IA.II(M) dated 27/5/2009 issued by Ministry of Environment, Forest and Climate Change may also be referred in this regard
- VI. Project Proponent shall plan develop and implement rainwater harvesting measures on long term basis to augment ground water resources in the area in consultation with Central Ground Water/State Groundwater Department. A report on amount of water recharged needs to be submitted to Regional office MoEFCC annually.
- VII. Industrial waste water (workshop and waste water from the mine) should be properly collected and treated so as to conform to the notified standards prescribed from time to time. The standards shall be prescribed through Consent to Operate (CTO) issued by State Pollution Control Board (SPCB). The workshop effluent shall be treated after its initial passage through Oil and grease trap.
- VIII. The water balance/water auditing shall be carried out and measure for reducing the consumption of water shall be taken up and reported to the Regional Office of the MoEF&CC and State Pollution Control Board/Committee.

IV. Noise and Vibration monitoring and preservation

- I. The peak particle velocity at 500 m distance or within the nearest habitation, whichever is closer shall be monitored periodically as per applicable DGMS guidelines.
- II. The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operation. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not

disturbed, by orienting the floodlights/masks away from the villagers and keeping the noise levels well within the prescribed limits for day/night hours.

- III. The Project Proponent shall take measures for control of noise levels below 85 dBA in the work environment. The workers engaged in operations of HEMM etc. should be provided with ear plugs/muffs. All personnel including laborers working in dusty areas shall be provided with protective respiratory devices along with adequate training, awareness and information on safety and health aspects. The PP shall be held responsible in case it has been found that workers/personals/laborers are working without personal protective equipment.

V. Mining plan

- I. The Project Proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, over burden, inter burden and top soil etc. NO change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz, method of mining, overburden & dump management, O.B. & dump mining, mineral transportation mode, ultimate depth of mining etc) shall not be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.
- II. The Project Proponent shall get the Final Mine Closure Plan along with Financial Assurance approved from Indian Bureau of Mines/Department of Mining & Geology as required under the provision of the MMDR Act, 1957 and Rules/Guidelines made there under. A copy of approved final mine closure plan shall be submitted within 2 months of the approval of the same from the competent authority to the concerned Regional Office of the Ministry of Environment, Forest and Climate Change for record and verification.
- III. The land-use of the mine lease area at various stages of mining scheme as well as at the end-of-life shall be governed as per the approved Mining Plan. The excavation vis-à-vis backfilling in the mine lease area and corresponding afforestation to be raised in the reclaimed area shall be governed as per approved mining plan. PP shall ensure the monitoring and management of rehabilitated areas until the vegetation becomes self-sustaining. The compliance status shall be submitted half-yearly to the MoEFCC and its concerned Regional Office.

VI. Land Reclamation

- I. The Overburden (O.B.) generated during the mining operations shall be stacked at earmarked OB dump site(s) only and it should not be kept active for a long period of time. The physical parameters of the OB dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by D.G.M.S. w.r.t safety in mining operations shall be strictly adhered to maintain the stability of top soil/OB dumps. The topsoil shall be used for land reclamation and plantation.
- II. The reject/waste generated during the mining operations shall be staked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.
- III. The reclamation of waste dump sites shall be done in scientific manner as per the Approved Mining Plan cum progressive Mine Closure Plan.
- IV. The slope of dumps shall be vegetated in scientific manner with suitable native species to maintain the slope stability, prevent erosion and surface runoff. The selection of local species regulates local climate parameters and help in adaptation of plan species to the microclimate. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dump. The dump mass should be consolidated with the help of dozer/compactors thereby ensuring proper filling/leveling of dump mass. In critical areas, use of geo- textiles/ geo-membranes/clay liners/Bentonite etc. shall be undertaken for stabilization of the dump.
- V. The Project Proponent shall carry out slope stability study in case the dump height is more than 30 meters. The slop stability report shall be submitted to concerned regional office of MoEF&CC
- VI. Garland drain, Catch drains, settling tanks and siltation ponds of appropriate size shall be constructed around the mine working, mineral yards and Top soil/OB/Waste dumps to prevent run off of water and flow of sediments directly into the water bodies (Nallah/River/Pond etc). The collected water should be utilized for watering the mine area roads, green belt development, plantation etc. The drain /sedimentation sumps etc. shall be de-silted regularly, particularly after monsoon season and maintained properly.
- VII. 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.

- VIII. Check dams of appropriate size, gradient and length shall be constructed around mine pit and OB dumps to prevent storm run-off and sediment flow into adjoining water bodies. A safety margin of 50% shall be kept for designing of sump structures over and above peak rainfall (based on 50 years data) and maximum discharge in the mine and its adjoining area which shall also help in providing adequate retention time period thereby allowing proper settling of sediments of sediments/silt material. The sedimentation pits/sumps shall be constructed at the corners of the garland drains.
- IX. The top soil, if any, shall temporarily be stored at earmarked site(s) within the mine lease only and should not be kept unutilized for long. The physical parameters of the top soil dumps like height, width and angle of slope shall be governed as per the approved Mining Plan and as per the guidelines framed by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of dumps. The topsoil shall be used for land reclamation and plantation purpose.
- X. The existing and proposed land use plan of the mine is as follows:

Sl.No.	Land Use Category	Existing	Operational (During plan period)	Post Operational (At the end of Life of Mine)
1.	Top Soil Dump	-	-	-
2.	Waste Dump	-	-	5.100
3.	Excavation (Voids only)	-	-	24.36
	Reclamation (Backfilled)	-	-	12.77
	Total Excavated Area	-	3.15	37.13
4.	Haul Roads	-	1.06	0.730
5.	Infrastructure (workshop, Magazine etc.,)	-	0.2	0.2
6.	Greenbelt and Plantation	-	1.0	5.45
7.	Town Ship Area	-	-	-
8.	Mineral / Sub-grade mineral Storage	-	-	1.14
9.	Protective Bund along boundary	-	0.5	-

10.	Undisturbed area	-	46.443	2.603
Total		52.353	52.353	52.353

VII. Transportation

- I. The transportation of limestone from the mine phase will be crushed at crusher located in other mine of the company in the vicinity i.e, VCLM-II (ML area 342.612 ha) transported via internal roads and Crushed material will be transported from crusher to plant by covered conveyor belt. The belt conveyor should be fully covered to avoid generation of dust while transportation. PP shall take necessary measures to avoid generation of fugitive dust emissions.
- II. The Main haulage road within the mine lease should be provided with a permanent water sprinkling arrangement for dust suppression. Other roads within the mine lease should be wetted regularly with tanker-mounted water sprinkling system. The other areas of dust generation like crushing zone, material transfer points, material yards etc. should invariably be provided with dust suppression arrangements. The air pollution control equipments like bag filters, vacuum suction hoods, dry fogging system etc. shall be installed at Crushers, belt-conveyors and other areas prone to air pollution.

VIII. Green Belt

- I. Total 58,300 trees shall be planted in the area of 5.45 ha., which is developed as greenbelt development?
- II. Not tree felling is proposed in this project. Where absolute necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (Planted).
- III. The Project Proponent shall develop greenbelt in 7.5 m wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The whole Green belt shall be developed within first 5 years starting from windward side of the active mining area. The development of green belt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan.
- IV. The Project Proponent shall carryout plantation and grassland development in backfilled and reclaimed area of mining lease, in community area and plantation around water body, along the roadsides etc by planting the native species in consultation with the State Forest

Department/Agriculture Department/Rural development department/Tribal Welfare Department/Gram Panchayat such that only those species be selected which are of use to the local people. The CPCB guidelines in this respect shall also be adhered. Adequate budgetary provision shall be made for protection and care of tree.

- V. The Project Proponent shall make necessary alternative arrangements for livestock feed by developing grazing land with a view to compensate those areas which are coming within the mine lease. The development of such grazing land shall be done in consultation with the State Government. In this regard, Project Proponent should essentially implement the directions of the Hon'ble Supreme Court with regard to acquisition of grazing land. The sparse trees on such grazing ground, which provide mid-day shelter from the scorching sun should be scrupulously guarded/protected against felling the plantation of such trees, should be promoted.
- VI. Schedule-I species were observed during EIA studies and thus Wildlife Conservation Plan was prepared. The Plan shall be approved by Chief Wild Life Warden of the State Govt. and implemented in consultation with the State Forest and Wildlife Department. A copy of Wildlife Conservation Plan and its implementation status (annual) shall be submitted to the Regional Office of the Ministry.

IX. Public hearing and human health issues

- I. The Project Proponent shall appoint an Occupational Health Specialist for Regular as well as Periodical medical examination of the workers engaged in the mining activities, as per the DGMS guidelines. The records shall be maintained properly. PP shall also carryout Occupational health check-ups in respect of workers which are having ailments like BP, diabetes, habitual smoking etc. The check-ups shall be undertaken once in six months and necessary remedial/preventive measures be taken. A status report on the same may be sent to MoEFCC Regional Office and DGMS on half-yearly basis.
- II. The Project Proponent must demonstrate commitment to work towards 'Zero Harm' from their mining activities and carry out Health Risk Assessment (HRA) for identification workplace hazards and assess their potential risks to health and determine appropriate control measures to protect the health and wellbeing of workers and nearby community. The proponent shall maintain accurate and systematic records of the HRA. The HRA for neighborhood has to focus on Public Health Problems like Malaria, Tuberculosis, HIV. Anaemia, Diarrhoea in children under five, respiratory infections due to bio mass cooking.

- III. The proponent shall also create awareness and educate the nearby community and workers for sanitation, Personal Hygiene. Hand washing, not to defecate in open. Women Health and Hygiene. Hand washing, not to defecate in open. Women Health and Hygiene (Providing Sanitary Napkins), hazard of tobacco and alcohol use. The Proponent shall carryout base line HRA for all the category of workers and thereafter every five years.
- IV. The Proponent shall maintained a record of performance indicators for workers which includes (a) there should not be a significant decline in their Body Mass index and it should stay between 18.5 – 24.9 (b) the Final Chest X-Ray compared with the base line X-Ray should not show any capacities (c) At the end of their leaving job there should be no diminution in their Lung Functions Forced Expiratory Volume in one second (FEVI). Forced Vital Capacity (FVC) and the ratio) unless they are smokers which has to be adjusted and the effect of age (d) their hearing should not be affected. As a proof an Audiogram (first and last need to be presented) (e) they should not have developed any Persistent Back Pain. Neck pain and the movement of their hip Knee and other Joints should have normal range of movement (f) they should not have suffered loss of any body part. The record of the same should be submitted to the Regional Office, MoEFCC annually along with details of the relief and compensation paid to workers having above indications.
- V. The Project Proponent shall ensure that Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.
- VI. The Project Proponent shall make provision for the housing for workers/labors or shall construct labor camps within/outside (company owned land) with necessary basic infrastructure/facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche for kids etc. The housing may be provided in the form of temporary structures which can be removed after the completion of the project related infrastructure. The domestic waste water should be treated with STP in order to avoid contamination of underground water.
- VII. The activities proposed in Action plan prepared for addressing the issues raised during the Public Hearing shall be completed as per the budgetary provisions mentioned in the Action Plan and within the stipulated time frame. The Status Report on implementation of Action Plan shall be submitted to the concerned Regional Office of the Ministry along with District Administration.

X. Corporate Environment Responsibility (CER)

- I. The activities and budget earmarked for Corporate Environmental Responsibility (CER) as per Ministry's O.M. No. 22-65/2017-IA.II(M) dated 01/5/2018 or as proposed by SEAC should be kept in a separate bank account. The activities proposed for CER shall be implemented in a time bound manner and annual and annual report of implementation of the same along with documentary proof viz. photography's. Purchase documents, latitude & longitude of infrastructure developed & road constructed needs to be submitted to Regional Office MoEF&CC annually along with audited statement.
- II. Project Proponent shall keep the funds earmarked for environmental protection measures in a separate count and refrain from diverting the same for other purpose. The Year wise expenditure of such funds should be reported to the MoEFCC and its concerned Regional Office.
- III. For Environment Management Plan PP has proposed Rs. 120 Lakhs as capital and Rs. 18.4 Lakhs as recurring cost for this project.
- IV. For this project PP has proposed Rs 34.00 Lakhs as Corporate Environment Responsibility (CER) for remaining project component.

XI. Miscellaneous

- I. The Project Proponent shall prepare digital map (land use & land cover) of the entire lease area once in five years purpose of monitoring land use pattern and submit a report to concerned Regional Office of the MoEFCC.
- II. The Project Authorities should inform to the Regional Office regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
- III. The project Proponent shall submit six monthly compliance reports on the status of the implementation of the stipulated environmental safeguards to the MoEFCC & its concerned Regional Office, Central Pollution Control Board and State Pollution Control Board.
- IV. A separate 'Environmental Management Cell' with suitable qualified manpower should be set-up under the control of a Senior Executive shall directly report to Head of the Organization. Adequate number of qualified Environmental Scientist and Mining Engineers shall be appointed and submit a report to RO, MoEFCC.
- V. The concerned Regional Office of the MoEFCC shall randomly monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the MoEFCC officer(s) by furnishing the requisite data/information/monitoring report.

2. Case No - 7224/2020 Project Administrator, Office of Project Administrator, Kotha Barrage Project Implementation Unit, Ganjbasoda, Dist. Vidisha, MP Prior Environment Clearance for Kotha Barrage Major Irrigation Project at Village - Kotha, Tehsil - Kurwai, District- Vidisha (M.P.). GCA- 39000 ha.. CCA – 35000 ha., Net Catchment Area – 8711 sq km, Concrete Barrage Lenth – 576 M, Height of Barrage – 15.M Category: 1(c) River Valley Project (TOR given by MoEF&CC dated 09/12/2016).

This is a River Valley projects involving < 10,000 ha. of culturable command area falls under category "B" and have been mentioned at SN. 1(c) column B of Schedule of EIA Notification, hence such projects are required to obtain prior EC from the SEIAA. The application for EC was forwarded by SEIAA to SEAC for scoping so as to determine TOR to carry out EIA and prepare EMP.

The case was scheduled for presentation wherein PP vide letter no 242/EC/Kotha/2020-2021 dated 16/06/2020 has requested to postponed this presentation as today due to some unavoidable conditions he couldn't be able to present their case. Committee accepted the request made by PP and decided to call PP in next subsequent meetings of SEAC to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

PP has submitted the EIA report vide letter dated 13.05.2020 which was forwarded through SEIAA vide letter no. 890 dated 15/06/2020. The TOR was issued by MoEF&CC vide letter No. J-12011/05/2016-IA-I (R), dated 09/12/2016.

The case was scheduled for the presentation in the 442th SEAC meeting dated 16/06/2020 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 presented by the PP and their consultants with the salient features of the project, TOR compliance and other details of the project, which reveals following:

- Terms of Reference (ToR) was issued in respect of Kotha Barrage Major Irrigation project for EIA-EMP by MoEF&CC, New Delhi, vide letter No. J-12011/05/2016-IA-I (R), dated 9th December, 2016.
- As per MoEF&CC EIA notification dated 14.06.2006, at the time of scoping clearance, category of the Irrigation project was 'A' as its CCA was more than 10000 ha.

- As per EIA notification dated 14.8.2018, all irrigation projects with CCA > 10000 ha and <50000 ha shall be treated as 'B1' and shall be apprised by the SEIAA.
- Public Hearing was held on 10.7.2019, in village Kakarua at Annapurna warehouse, Tehsil Kurwai, District Vidisha.
- In compliance of provision under the Terms of Reference, after incorporating issues raised and their compliance in the EIA-EMP report, it was submitted on line to SEIAA ,Bhopal , on date 27.05.2020 for consideration of Environment Clearance.

PURPOSE & LOCATION OF PROJECT

- At present irrigation in the project area from all sources is only 2.38% of the net cropped area. To harness the surplus water available in Betwa river, an assured source of surface irrigation is vehemently needed in the area.
- The project has been conceived with a view to harness Betwa river for providing irrigation facility to 5500 ha during Kharif and 20000 ha during Rabi with 127.50 % annual irrigation intensity.
- Proposed barrage shall be across Betwa River near village Kotha in Kurwai Tehsil of Vidisha district, M.P., and is about 8 km from Kurwai and 5 km from Mandi Bamora on Ganj Basoda – Bina road.
- Mandi Bamora on Western Railway is the nearest railway station. Bhopal is the nearest airport (115 km).
- Command area is covered under 79 villages in Tehsil Kurwai and Basoda, District Vidisha and is situated on the left and right bank of river Betwa covered under SOI Toposheets 54 L/4 and 54H/16 .

BASIC INFORMATION

- It is a green field project and shall be developed as intervention on Betwa river for harnessing unutilized irrigation potential of the river.
- The total land requirement is 1359 ha which is comprised of 678 ha revenue land and 681 ha private land respectively.
- There is no requirement of forest land and thus no diversion of forest land.
- Owing to acquisition of land for project, 27 villages shall be partially affected. There shall be 638 project affected families (Titleholders) whose land shall be acquired of which none shall be displaced .
- The land acquisition process as per RFCTLARRACT 2013 has been initiated.
- No National Park, Sanctuary, Defense Establishments, Archeological Monuments, Notified Eco-sensitive areas or protected area under Wildlife (Protection) Act exists within the project area or within 10 km distance from it.

Project Details :

- 576 m long barrage having 32 bays, 15m clear span each, separated by 3m thick piers.
- Crest & pond level of each bay 384.5masl & 396.00masl
- 32 fixed wheel vertical lift gates (15000 mm x 11500 mm).
- 11.50 km long and 1.60m diameter right rising main (26m lift).
- 8.50 km long and 1.60m diameter left rising main (31m lift).
- Distribution net work up to 2.50 ha chak.
- Total cost of project INR 750.75 crores with B.C. Ratio 2.08:1

Environmental Sensitivity and other Relevant Features

- No National Park, Sanctuary, Defense Establishments, Archaeological Monuments, Notified Eco-sensitive areas exist within the project area or within 15 km distance from it. No major occurrence of economic deposit (major mineral) has been found in the project area. No diversion of forest land is required for project.

During presentation, it was submitted by PP that the total land requirement is 1359 ha. this is comprised of 678 ha., revenue land and 681 ha private land respectively. Owing to acquisition of land 27 villages shall be partially affected. There shall be 638 project-affected families (Title holders) whose land shall be acquired of which none shall be displaced. The land acquisition shall be carried out as per RFCTLARRA 2013. In this context section 11 is under process in the District Collectorate Office. Further stated that no diversion of forest land is involved for the project, thus, compensatory afforestation plan is not to be formulated under EMP. PP further submitted that no forest land is involved in this project and land has been identified for R&R. After detail discussion, committee has asked the PP to submit the following information:

1. Details of noise & vibration modeling study carried out for Kotha Barrage Irrigation project.
2. Undertaking that land acquisition documents from 11 villages out of 27 total villages have been deposited in the District Collectorate Office, Vidisha and remaining cases of land acquisition cases are under process of section 11.

PP vide letter dated 02.07.2020 has submitted reply of the above query. The query reply was presented by the PP and after deliberations, the submissions and presentation made by the PP were found to be satisfactory and acceptable hence the case was recommended for grant of Prior Environment Clearance for Kotha Barrage Major Irrigation Project at Village - Kotha,

Tehsil - Kurwai, District- Vidisha (M.P.). GCA- 39000 ha. CCA – 35000 ha., Net Catchment Area – 8711 sq km, Concrete Barrage Length – 576 M, Height of Barrage – 15.M Category: 1(c) River Valley and Hydroelectric Projects with following conditions:

I. Statutory compliance:

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area)
- iv. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee
- v. NOC shall be obtained from National Commission of Seismic Design Parameters (NCSDS) of CWC.
- vi. Necessary approval of CEA shall be obtained for those projects having the project cost more than Rs. 1,000 crore.

II. Air quality monitoring and preservation

- i. Regular monitoring of various environmental parameters viz., Water Quality, Ambient Air Quality and Noise levels as per the CPCB guidelines at designated locations shall be carried out on monthly basis and a detailed database of the same shall be prepared and recorded. This shall be used as a baseline data for post construction EIA / Monitoring purposes.
- ii. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed standards.
- iii. Necessary control measures such as water sprinkling arrangements, etc. be taken up to arrest fugitive dust at all the construction sites.

III. Water quality monitoring and preservation

- i. Conjunctive use of surface water to be planned in the project to check water logging as

well as to increase crops productivity. The field drains shall be connected with natural drainage system.

- ii. Remodeling of existing natural drains (link drains) and connecting them with irrigated land through constructed field drains, collector drains, etc. are to be ensured on priority basis.
- iii. Before impounding of the water, Cofferdams for both at the upstream and downstream are to be decommissioned as per EIA/EMP report so that once the project is commissioned; cofferdam should not create any adverse impact on water environment including the rock mass and muck used for the Cofferdam.
- iv. As the reservoir will be acting as balancing reservoir and there would be fluctuation of water level during peaking period, efforts be made to reduce impact on aquatic life including impacts during spawning period both at the upstream and downstream of the project
- v. Water depth sensors shall be installed at suitable locations to monitor e-flow. Hourly data to be collected and converted to discharge data. The Gauge and Discharge data in the form of Excel Sheet be submitted to the Regional Office, MoEF & CC and to the CWC on weekly basis
- vi. Mixed irrigation shall be practiced and necessary awareness be given to all the farmers and trained in the use of such systems. Proper crops selection shall be carried out for making irrigation facility more effective.
- vii. On Farm Development (OFD) works like landscaping, land leveling, drainage facilities, field irrigation channels and farm roads, etc. should be taken up in phased manner prior to the start of irrigation in the entire command area. The Command Area Development Plan should be strictly implemented as proposed in the EIA/EMP report.

IV. Noise monitoring and prevention

- i. All the equipment likely to generate high noise shall be appropriately enclosed or inbuilt noise enclosures be provided so as to meet the ambient noise standards as notified under the Noise Pollution (Regulation and Control) Rules, 2000, as amended in 2010 under the Environment Protection Act (EPA), 1986.
- ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time .

V. Catchment Area Treatment Plan

- i. Catchment Area Treatment (CAT) Plan as proposed in the EIA/EMP report shall be implemented in consultation with the State Forest Department and shall be implemented in synchronization with the construction of the project.

VI. Waste management

- i. Muck disposal (8.35 lakh cum) be carried out only in the approved and earmarked sites. The dumping sites shall be located sufficiently away from the HFL of the river. Efforts be made to reuse the muck for construction and other filling purposes and balanced be disposed of at the designated disposal sites. Once the muck disposal sites are inactive, proper treatment measures like both engineering and biological measures be carried out so that sites are stabilized quickly.
- ii. Solid waste management should be planned in details. Land filling of plastic waste shall be avoided and instead be used for various purposes as envisaged in the EIA/EMP reports. Efforts be made to avoid one time use of plastics.

VII. Green Belt, EMP Cost, Fisheries and Wildlife Management

- i. Based on the recommendation of Cumulative Impact Assessment and Carrying capacity study of river basin or as per the ToR conditions or minimum 15% of the average flow of four consecutive leanest months, whichever value is higher, shall be released as environmental flow.
- ii. Detailed information on species composition particular to fish species from previous study/literature be inventorised and proper management plan shall be prepared for in-situ conservation in the streams, tributaries of river and the main river itself for which adequate budget provision be made and followed strictly.
- iii. Wildlife Conservation Plan prepared for both core and buffer zones shall be implemented in consultation with the local State Forest Department.
- iv. To enrich the habitat of the project site, plantation shall be raised as envisaged in the EIA/EMP report. Plantation to be developed along the periphery of the reservoir in multi-layers with local indigenous species in consultation with the local State Forest Department.
- v. Compensatory afforestation programme shall be implemented as per the plan approved.
- vi. Fish ladder/pass as envisaged in the EIA/EMP report shall be provided for migration of fishes. Regular monitoring of this facility be carried out to ensure its effectiveness.

VIII. Public hearing and Human health issues

- i. Resettlement & Rehabilitation plan be implemented in consultation with the State Govt. as approved by the State Govt.
- ii. Budget provisions made for the community and social development plan including community welfare schemes shall be implemented in toto.
- iii. Preventive measures viz. fuming and spraying of mosquito control shall be done in and around the labour colonies, affected villages, stagnated pools, etc. Provisions be made to not to create any stagnated pools to avoid creation of breeding grounds of the vector borne diseases

- iv. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- v. Labour force to be engaged for construction works shall be examined thoroughly and adequately treated before issuing them work permit. Medical facilities shall be provided at the construction sites.
- vi. Early Warning Telemetric system shall be installed in the upper catchment area of the project for advance intimation of flood forecast.
- vii. Emergency preparedness plan be made for any eventuality of the dam failure and shall be implemented as per the Dam Break Analysis.

IX. Corporate Environment Responsibility

- i. A budgetary provision of Rs. 16,412.5 Lakh is made for Environmental Management Plan as capital cost and Rs 193.50 lakh as recurring cost.
 - Out of which Rs. 37 Lakhs as capital and 6.0 lakhs as recurring cost provided for Green Belt Development Plan in EMP.
 - No muck disposal shall be done outside of the project site; Rs. 28.0 Lakh is made for Muck Management Plan in the EMP.
 - Provision of Rs 1364.0 Lakh is made for Catchment Area Treatment Plan in EMP. Rs 193.0 Lakh is made for Fisheries Management Plan in EMP.
 - Provision of Rs 12,442.0 Lakh is made for Command Area Development Plan in EMP.
- ii. Under CER Rs 751.0 Lakh is envisaged for proposed various activities.
- iii. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- iv. Skill mapping be undertaken for the youths of the affected project area and based on the skill mapping, necessary trainings to the youths be provided for their long time livelihood generation
- v. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

- vi. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- vii. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year-wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- viii. Post EIA and SIA be prepared for the project through a third party and evaluation report be submitted to the Ministry after five years of commissioning of the project.
- ix. Multi Disciplinary Committee (MDC) be constituted with experts from Ecology, Forestry, Wildlife, Sociology, Soil Conservation, Fisheries, NGO, etc. to oversee implementation of various environmental safeguards proposed in EIA/EMP report during construction of the project. The monitoring report of the Committee shall be uploaded in the website of the Company.
- x. Formation of Water User Association/Co-operative be made by involvement of the whole community be ensured for discipline use of available water for irrigation purposes.

X. Miscellaneous

- i. The project proponent shall make public, the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- v. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company

- vi. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- vii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- viii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- ix. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- x. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xi. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xii. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions
- xiii. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xiv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

3. Case No. – 6523/2019 M/s ACC Ltd, Kymore Cement Works, P.O.Kymore, Dist. Katni, MP - 483880, Prior Environment Clearance for 2.00 MTPA Cement Grinding Unit at Khasra no 77, 83/1, 82, 81, 79, 78, Village - Ametha, Tehsil - Vijayaraghavgarh, Dist. Katni (MP). Env.Cons-Creative Enviro Services.

This is case of Cement Grinding Unit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at Village - Ametha, Tehsil - Vijayaraghavgarh, Dist. Katni (MP). The project requires prior EC before commencement of any activity at site.

The case was presented by the PP and their consultant in the 398th SEAC meeting dated 04/10/2019 wherein it was informed by the PP that for this proposed cement grinding plant the

clinker will be produced in a nearby location for which EC has been obtained from MoEF&CC. During presentation through Google map it was informed by PP to the committee that the proposed clinker manufacturing unit (for which TOR is obtained from MoEF&CC) is located in a close vicinity of this unit on the south-western side and a mine is also in operation which belongs to ACC. Committee during presentation also recommends to carry out site visit (if possible) of the proposed location considering number of mines operational in the area and also to see environmental protection measures adopted by the company in the nearby mine. Committee also recommends that PP shall carryout in-depth geological survey of the area (being rich lime stone belt) and study cumulative impacts of all the mines in existence in 2.5 kms area to assess the pollution load and its mitigation plan. Accordingly TOR was recommended in the 398th SEAC meeting dated 04/10/2019.

PP has submitted the EIA report vide letter dated 05/05/2020 which was forwarded through SEIAA vide letter no. 1298 dated 25/06/2020, which was placed before the committee.

PP and their consultant presented the EIA before the committee during discussion following details of this project was submitted by the PP:

Brief Write Up of the Project:

- ACC Limited propose to set up a 2.0 Million Ton per Annum (MTPA) Greenfield Cement grinding plant at khasra No. 77,83/1,82,81,79,78, Ametha, Tehsil Vijayaraghavgarh, District Katni, Madhya Pradesh to meet the growing market demand of cement in Madhya Pradesh, Uttar Pradesh.
- As per the provisions of EIA notification SO 1533 (E) dated 14th September 2006, proposed Cement grinding unit project falls under the 3 (b) Cement Plants category. In view of this ACC has submitted application to SEAC/ SEIAA for environmental clearance.
- Estimated total project cost is Rs 200 Crores. ACC has earmarked 30 cr towards the Environmental Management Plan (EMP) implementation and 3.5 cr for CER (Corporate Environment responsibility). The project is expected to be implemented within 12 Months after obtaining all relevant approvals.
- This is state of art environment friendly, dry process cement grinding unit will result in sustainable development by utilization of waste fly ash from nearby power plant. Total land required for project is 5.1 ha Acres. The proposed land is owned by company and there is no issue of Rehabilitation & Resettlement (R&R). Land use of the project land is

changed for industrial purpose 39 % of total area is earmarked for the green belt development.

- Total water requirement will be 115 m³/day. This water requirement for the proposed cement grinding unit, will be met from the rain water harvested in the existing excavated mine pits. Zero Liquid Discharge (ZLD) will be maintained.
- Total employment potential will be about 30 in permanent role and 60 in contractual jobs excluding indirect employment. ACC will give preference to the local people during construction and operation phase of the project depending upon the skill, job requirement and desired competency. The surrounding people will benefit from various socio-economic activities and direct indirect job opportunities created by the proposed project.

Project Cost:

- Protect cost - The capital cost [INR] : 200 Crores
- Cost of EMP [INR] : 30.0 Crore
- Cost of CER [INR] : 3.5 Crore

During EIA presentation PP stated that this proposed plant is a green field project for cement grinding unit by utilization of waste fly ash from nearby power plant. In this plant dry process of cement grinding will be used. Portland Pozzolona Cement (PPC) will be produced by grinding Clinker, fly ash & gypsum in a definite proportion. The grinding system is based on grinding in Vertical Roller Mill (VRM).

After presentation the committee asked to submit following details:

- I. Commitment that proposed raw material will be transported by the conveyor for which no issues of land aquisition and R&R are pending.
- II. Copy of valid NABT certificate as submitted certificate expired on 18/02/2020.
- III. DFO certificate shall be deposited by PP.
- IV. PP shall explore the possibility of transporting fly ash from nearby railway yard/siding to the plant through conveyer belt or through railway line to avoid raod transportation and fugitive emissions.
- V. Process flow diagram with mas balance.
- VI. Bifurcation of total water demand of 115 KLD.
- VII. Bifurcation of flora and fauna as per schedule of species and commitment that no schedule - I species is recorded within the study area.
- VIII. Details of proposed STP i.e componenewise drawing & design with capacity.

- IX. Details of all raw materials and their storage area proposed for them as discussed during presentation.
- X. Any proposal for hot air generation (HAG).
- XI. Details of pollution control equipments proposed to be installed at Raw material Handling Area, Cement Mill (hopper building), Cement Mill & bag house, Flyash Silo, Cement Silo, Packing Plant etc.
- XII. Source of generation of waste oil (4000 liters/annum) and Grease (3500 kg/annum).
- XIII. Revised plantation scheme as suggested by committee during presentation.
- XIV. Revised EMP and CER as suggested by the committee during presentation.

4. **Case No 7267/2020 Smt. Lata Singh W/o Shri Vijay Singh R/o M-195, Bharut Nagar, Satna (MP)-485001 Prior Environment Clearance for approval of Aber Laterite Mine in an area of 4.253 ha. (30000 MTPA) (Khasra No. 96/1/1, 96/1/2) at Village- Aber, Tehsil- Rampur Baghelan, District- Satna (MP)**

This is case of Aber Laterite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 96/1/1, 96/1/2) at Village- Aber, Tehsil- Rampur Baghelan, District- Satna (MP) 4.253 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. 2068 dated 23/12/2015 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine total area of 26.042 ha., including this mine.

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. – 6141/2019 M/s. Maa Sharda Mines and Minerals, Village - Karondikala, Tehsil - Barhi, Dist. Katni, MP Prior Environment Clearance for Stone Quarry in an area of 3.50 ha. (72,975 cum per annum) (Khasra No. 208/1, 208/2), Village - Karondikala, Tehsil - Barhi, Dist. Katni (MP).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 208/1, 208/2), Village - Karondikala, Tehsil -

Barhi, Dist. Katni (MP) 3.50 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. NIL dated: NIL has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 08.50 ha., including this mine.

Earlier this case was scheduled for presentation and discussion in 366th SEAC meeting dated 30/04/2019 wherein ToR was recommended.

PP has submitted the EIA report vide letter dated 22/06/2020 which was forwarded through SEIAA vide letter no. 1282 dated 24/06/2020, which was placed before the committee.

PP and their consultant presented the EIA before the committee during discussion following details of this project was submitted that it is a fresh mine allotted for 10 years for mining. Trees which are falling on the barrirer zone shall be kept intact and no proposal for tree failing. No GW table intersection is envisaged. PP further submitted that-

- The proposed project has 2 Mines within 500 meter radius with total cluster area of 8.5Ha, the proposed project comes under 'category-B1' as per EIA Notification dated 14th September 2006 and its subsequent amendments. The Mining plan has been approved vide letter no. 4271/Mining 2/N.K./2018-19, Jabalpur dated 5/11/2018 of 3.50 ha for production of 72975 cum/year under Rule no.-42 of MP MMR, 1996 for lease period till 23.03.2023 in favour of M/s Maa Sharda Mines & Minerals.
- The project has been proposed for the Mining of metal stone from the Government Land by open cast fully mechanized method. Mining will be confined to the allotted lease area which lies on the Barren waste land from which approximately 72975.00 cum of Metal stone will be excavated per annum and the estimated project cost is Rs. 37.2 Lakhs.
- No tree cutting, chopping, lumbering, uprooting of shrubs and herbs will be allowed.

After presentation, PP was asked to provide response on following:

1. Revised land use plan with appropriate area details of 10 km area of study.
2. Revised project cost.
3. Revised Key Plan Map correcting name of PP.

4. During presentation it was observed that there are certain corrections in EIA wrt to public hearing, land use details etc same shall be done and corrected version shall be corrected and submitted.
5. Revised plantation scheme as suggested by committee.
6. Revised EMP as suggested by committee.
7. Revised CER as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 03.07.2020, 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 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 72,975 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 16.32 Lakh as capital and Rs. 5.16 Lakh/year as recurring. Under CER Rs. 01.00 Lakh/ year has proposed.

6. Case No 7221/2020 M/s Mangalam Stone Crusher Prop. Shri Ajay Singh Payak, Opp. DIG Office, Jawahar Road, Dist. Chhatarpur, MP – 482002 Prior Environment Clearance for approval of Stone Quarry in an area of 2.90 ha. (2,06,957 cum/year) (Khasra No. 506) at Village - Khharohi, Tehsil - Rajnagar, District - Chhatarpur (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 506) at Village - Khharohi, Tehsil - Rajnagar, District - Chhatarpur (MP) 2.90 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 no. 4513 dated: 09/9/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled for presentation in 442nd SEAC meeting dated 16/06/2020 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 giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

During presentation as per Google image based on coordinates provided by PP, within the lease 500 meters following sensitive features were observed:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachcha road	Crossing the lease	west	Right to access shall be provided to the nearby villagers from 7.5m of barrier zone .
Canal	>160	South & East side	Provision of Garland drain & settling tanks.

PP further submits that topographically the lease area is on hillock having slope towards outer side of the area. Highest elevation 236 m and lowest elevation is 230m and method of mining will be opencast semi-mechanized and ultimate depth of mining will be 20m. Blasting operations will be carried out twice in a week. After presentation the committee asked to submit following details:

- Revised EMP by adding sprinkler for water spaying and revised budget for road maintenance as suggested by the committee during presentation.
- Revised CER incorporate awareness/ training & activities including of distribution of masks, sanitizers in the project affected villages' w.r.t. COVID-19 pandemic and development of grazing land in first year and school infrastructure/ Community hall maintenance from second year onwards.

PP has submitted the response of above quarries same date vide letter dated 03.07.2020, 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 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 2,06,957 cum per annum.

2. A budgetary provision for Environmental management Plan of Rs. 16.25 Lakh as capital and Rs. 4.16 Lakh/year as recurring. Under CER Rs. 2.30 Lakh/ year has proposed.

7. Case No 7255/2020 Shri Narayan Yadav S/o Shri Punam Chand Yadav R/o 108, Abdalpura, District Ujjain (MP) Prior Environment Clearance for approval of Kesuni Stone (Gitty) Quarry in an area of 2.50 ha. (15,000 cum per annum) (Khasra No. 80/2, 89) at Village- Kesuni, Tehsil- Ujjain, District- Ujjain (MP).

This is case of Stone (Gitty) Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 80/2, 89) at Village- Kesuni, Tehsil- Ujjain, District- Ujjain (MP) 2.50 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 (Ekal Praman-Patr) letter no. 400 dated: 20/2/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

During presentation as per Google image based on coordinates provided by PP, within the lease 500 meters following sensitive features were observed:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pucca road	75	South-West	<ul style="list-style-type: none"> • Orientation of mine shall be from North to South direction. • Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.

PP further submits that the method of mining will be opencast semi-mechanized and mine will attain a depth of mining 18m after 05 years. After presentation the committee asked to submit following details:

- Commitment from PP that the orientation of mine shall be from North to South side.

PP has submitted the response of above quarries same date vide letter dated 03.07.2020, 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 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 15,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 16.87 Lakh as capital and Rs. 3.22 Lakh/year as recurring. Under CER Rs. 1.50 Lakh has proposed.

8. Case No 7258/2020 M/s. Sai Kripa Minerals, Partner Shri Manju Awasthi R/o Ratan Colony, Gorakhpur, District Jabalpur (MP), Prior Environment Clearance for approval of Stone (Gitty) Quarry in an area of 1.71 ha. (10,004 cum per annum) (Khasra No. 212) at Village- Mahgawan, Tehsil- Jabalpur, District- Jabalpur (MP).

This is case of Stone (Gitty) Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 212) at Village- Mahgawan, Tehsil- Jabalpur, District- Jabalpur (MP) 1.71 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. 404 dated: 11/6/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

During presentation as per Google image based on coordinates provided by PP, within the lease 500 meters following sensitive features were observed:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachcha road	20	North	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.
Tree (01)	Within lease	Southern Barrier zone	Barrier zone , no tree failing is proposed

PP further submits that the lease area is situated on hilly terrain & method of mining will be opencast semi-mechanized and mine will attain a depth of mining 6m after 05 years. After presentation the committee asked to submit following details:

- Revised EMP as suggested by the committee during presentation.
- Revised Plantation with its budgetary allocations.

PP has submitted the response of above quarries same date vide letter dated 03.07.2020, 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 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 10,004 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 14.27 Lakh as capital and Rs. 3.68 Lakh/year as recurring. Under CER Rs. 0.90 Lakh has proposed.

9. **Case No 7232/2020 M/s A.S.R. Enterprises, Partner, Shri Ashwini Kumar Dwivedi, Paradise Colony, Panna Road, Dist. Chhatarpur, MP - 471001, Prior Environment Clearance for approval of Stone Mine in an area of 1.35 ha. (40,000 cum/year) (Khasra No. 629P) at Village- Maheba, Tehsil- Gaurihar, District- Chhatarpur (MP).**

This is case of Stone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 629P) at Village- Maheba, Tehsil- Gaurihar, District- Chhatarpur (MP) 1.35 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. 1913 dated: 08/2/2020 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine total area of 3.31 ha., including this mine.

During presentation as per Google image based on coordinates provided by PP, within the lease 500 meters following sensitive features were observed:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Kachcha road	13 & 10	South & East side	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.

PP further submits that the lease area is situated on hilly terrain & method of mining will be opencast semi-mechanized and mine will attain a depth of mining 6m after 05 years. After presentation the committee asked to submit following details:

- Proposal for 02 settling tanks.
- Blasting details
- Revised EMP as suggested by the committee during presentation.

PP has submitted the response of above quarries same date vide letter dated 03.07.2020, 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 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 40,000 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 11.61 Lakh as capital and Rs. 2.58 Lakh/year as recurring. Under CER Rs. 0.90 Lakh has proposed.

10. Case No 7240/2020 Shri Ramesh Kushwaha, Gram - Sirthaiyapura, Tehsil - Vijaypur, Dist. Sheopur, MP Prior Environment Clearance for approval of Soil Quarry in an area of 1.066 ha. (2,800 cum per annum) (Khasra No. 389/2, 396/min-2) at Village- Sirthaiyapura, Tehsil- Vijaypur, District- Sheopur (MP).

This is case of Soil Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 389/2, 396/min-2) at Village- Sirthaiyapura, Tehsil- Vijaypur, District- Sheopur (MP) 1.066 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. 12328 dated: 27/12/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

During presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed-

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
River	>65	North Eastern to South Eastern	Provision of Garland drain & settling tanks.
Pucca Road	>50	West	No blasting is proposed

After presentation the committee asked to submit following details:

- Commitment from PP that depth of mining shall not be greater than 2 meters.
- Commitment from PP no kiln (Bhatta) shall be installed in the lease area.

PP has submitted the response of above quarries same date vide letter dated 03.07.2020, 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 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 Soil 2800 cum per annum.
2. Depth restriction of 02 meters mining of soil.
3. A budgetary provision for Environmental management Plan of Rs. 05.68 Lakh as capital and Rs. 01.43 Lakh/year as recurring. Under CER Rs. 0.75 Lakh has proposed.

11. Case No 7241/2020 Shri Nitramanand Guru Shri Swami Darhan Poorn Anand Ji Maharaj, Shree Anandpur Trust Mahatma Ji Ka Baada, Isagarh Road, Dist. Ashoknagar, MP – 473338 Prior Environment Clearance for approval of Murrum Quarry in an area of 2.00 ha. (9,900 cum per annum) (Khasra No. 409/1) at Village- Aaklon, Tehsil- Isagarh, District- Ashoknagar (MP).

This is case of Murrum Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 409/1) at Village- Aaklon, Tehsil- Isagarh, District-

Ashoknagar (MP) 2.00 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 dated: 23/12/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant wherein PP stated that since this is Murrum mining hence no blasting has proposed. PP stated that no blasting is proposed as this is a case of Murrum quarry. After presentation the committee asked to submit following details:

1. Proposal for 01 additional settling tank in south side of the lease and EMP map.
2. Revised plantation species as suggested by the committee during presentation.

PP has submitted the response of above quarries same date vide letter dated 03.07.2020, 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 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 9,900 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 10.77 Lakh as capital and Rs.02.02 Lakh/year as recurring and under CER Rs01.35 Lakh/ year has proposed.

12. Case No 7242/2020 Smt. Suremdar Kaur W/o Late Shri Khushal Singh Sirohi, R/o Village - Hansapur, Tehsil - Bhandar, Dist. Datia, MP Prior Environment Clearance for approval of Stone Quarry in an area of 4.00 ha. (2,00,000 cum per annum) (Khasra No. 99) at Village- Hansapur, Tehsil- Bhandar, District- Datia (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 99) at Village- Hansapur, Tehsil- Bhandar, District- Datia (MP) 4.00 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 no. Q dated: 02/1/2020 has reported that there are 01 more

mines operating or proposed within 500 meters around the said mine total area of 4.70 ha., including this mine.

The case was presented by PP and their consultant wherein during presentation as per Google image based on coordinates provided by PP, within 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	>170	South-West	Controlled blasting with arrangements of sand bags and three rows of Plantation towards road side.
River	>85	North-East	Provision of Garland drain & Settling tanks.
Nallah	>75	North	Provision of Garland drain & Settling tanks

As per the Google image an already excavated pit exists within lease area for which PP submitted that this is old working pit and this lease was transferred to him in 2016, PP already shown this excavated pit in surface plan. All the mining operations in Lease area of 4.00 ha., will be undertaken by open cast semi-mechanized method by deploying machineries and control blasting will be done with arrangement of sand bags. After presentation the committee asked to submit following details:

- Revised EMP, proposal for 02 overhead sprinklers as suggested by committee.
- Revised CER incorporate awareness/ training & activities including of distribution of masks, sanitizers in the project affected villages' w.r.t. COVID-19 pandemic and development of grazing land in first year and school infrastructure/ Community hall maintenance from second year onwards.

PP has submitted the response of above queries same date vide letter dated 03.07.2020, 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 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 – 2,00,000 cum per annum.

2. A budgetary provision for Environmental management Plan of Rs. 20.90 Lakh as capital and Rs. 03.13 Lakh/year as recurring. Under CER Rs. 08.00 Lakh has proposed.
13. **Case No 7259/2020 M/s Modiram Ramlal, Partner Shri Neeraj Gupta, R/o 22/5, Katghar, District Allahabad (UP Prior Environment Clearance for approval of Kotwa Khas Hadhai Hardauli Silica Sand Deposit in an area of 12.096 ha. (25,000 ton per annum) (Khasra No. 89,90,91,92,93,94,95,96,97,98,227,258 (Kotwa Khas), 1,2 (Hadahi), 1,2,3,4,5,6,425,435,436 (Hardauli)) at Village- Kotwa Khas Hadhai Hardauli Dabhaura, Tehsil- Jawa, District- Rewa (MP).**

This is case of Silica Sand Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 89,90,91,92,93,94,95,96,97,98,227,258 (Kotwa Khas), 1,2 (Hadahi), 1,2,3,4,5,6,425,435,436 (Hardauli)) at Village- Kotwa Khas Hadhai Hardauli Dabhaura, Tehsil- Jawa, District- Rewa (MP) 12.096 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. 4704 dated: 27/9/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant, during presentation as per Google image based on coordinates provided by PP, it was observed that the part of lease is submerged in the water in the north side PP shall be submit revised surface plan showing submerged area . Being it's a case sand quarry with total area of 12.096 ha., including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- Revised surface plan showing submerged area as no- mining area with available area for mining and capacity in the EIA.
- Protection plan for nearby water stream.
- Mineral evacuation route avoiding human settlement.

14. Case No 7009/2020 M/s. Quest Granites Pvt. Ltd, R/o D-3, Haridas Ji Ki Magri Amba Mata, Dist. Udaipur, Rajasthan Prior Environment Clearance for Dolerite Deposit in an area of 8.50 ha. (6,458 cum per annum) (Khasra No. 903), Village - Dhangawan, Tehsil - Anuppur, Dist. Anuppur (MP).

This is case of Dolerite Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 903), Village - Dhangawan, Tehsil - Anuppur, Dist. Anuppur (MP) 8.50 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. 25 dated 11/3/2015 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was scheduled for presentation in 441th SEAC meeting dated 15/06/2020 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 438th SEAC meeting dated 02/06/2020. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was presented by the PP and their consultant during presentation as per Google image based on coordinates provided by PP, it was observed that the water body exists at a distance of approximately 180 meters towards North-East side, PP shall be submit protection plan. Moreover, 02 trees are exists within lease area and a water body at a distance of >200 meters in the eastern side . Being it's a case sand quarry with total area of 8.50 ha., including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- PP shall submit protection plan in final EIA report for nearest water body exists towards North-East side of lease.
- Inventory of trees within lease area with girth and species.
- Protection plan for a water body which is at a distance of >200 meters in the eastern side.

15. Case No 7245/2020 M/s Tanisha Infracon Pvt. Ltd, B-64, Shaligram Tower, Near Sharon Park, Satellite Road, Ahmedabad, Guj. – 380015 Prior Environment Clearance for approval of Laterite Deposit in an area of 18.33 ha. (81,770 cum per annum) (Khasra No. 1331, 1339, 1340) at Village- Tarnod, Tehsil- Suwasara, District- Mandsaur (MP).

This is case of Laterite Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1331, 1339, 1340) at Village- Tarnod, Tehsil- Suwasara, District- Mandsaur (MP) 18.33 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. 3144 dated 28/12/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant, during presentation as per Google image based on coordinates provided by PP, it was observed that the Kachcha road crossing the lease committee recommended that PP shall provide right of access in 7.5m of barrier zone. Being it's a case sand quarry with total area of 18.33 ha., including this mine and according to the latest O.M F.No. L-11011/175/2018/-IA-II (M) dated 12/12/2018 if a cluster or an individual lease exceeds 5 ha the EIA/EMP be made applicable in the process of grant of prior environmental clearance and thus committee decided to issue standard TOR prescribed by the MoEF&CC may be issued for conducting the EIA with following additional TORs and as per conditions mentioned in Annexure-D:-

- Commitment from PP that on Kachcha road, right to access shall be provided in 7.5m of barrier zone.
- Environmental Monitoring should be conducted in such a way that from all soil samples heavy metal should be analysed and atleast in one sample analysis of pesticides should conducted.

16. Case No. – 6561/2019 M/s Untra Mines and Minerals, Smt. Pushpa Parmer, Village - Chainpura, Tehsil - Thandla, Dist. Jhabua, MP, Prior Environment Clearance for Stone Quarry in an area of 4.00 ha. (48,500 cum per annum) (Khasra No. 550, 552, 577), Village - Manpur, Tehsil - Thandla, Dist. Jhabua (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 550, 552, 577), Village - Manpur, Tehsil - Thandla, Dist.

Jhabua (MP) 4.00 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's Office letter No. 4417 dated: 12/09/2019 has reported that there are 02 more mine operating or proposed within 500 meters around the said mine total area of 8.00 ha., including this mine.

The case was scheduled for presentation in the 410th SEAC meeting dated 02/12/2019 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 401st SEAC meeting dated 01/11/2019. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was scheduled 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. Earlier PP was also absent in SEAC meeting 410th SEAC meeting dated 02/12/2019 and 401st SEAC meeting dated 01/11/2019. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

SEIAA letter no. 1238 dated 23/06/2020 has forwarded this case to SEAC by stating that: PP could not present the case in SEAC due to some unavoidable circumstances hence PP has requested vide letter dated 03/06/2020 to relist the case as PP is now ready to present their case in SEAC. Considering the request of PP, it was decided to relist the case and send the case.

Based on above submission this case was scheduled for presentation and discussion 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 PP in next subsequent meetings of SEAC to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

17. Case No 7266/2020 Narendra Singh S/o Shri Joravar Singh R/o Nogaon, Tehsil & District Ujjain (MP), Prior Environment Clearance for approval of Stone Quarry in an area of

1.90 ha. (11,970 cum per annum) (Khasra No. 301, 302, 317/1, 317/2) at Village- Kadchhali, Tehsil- Ujjain, District- Ujjain (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 301, 302, 317/1, 317/2) at Village- Kadchhali, Tehsil- Ujjain, District- Ujjain (MP) 1.90 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 (Ekal Praman-Patr) letter no. 519 dated 19/3/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by PP and their consultant wherein during presentation PP submits that that this is a green field area where all mining will be done by opencast semi-mechanized method with control drilling and controlled blasting (using sand bag). Mining will be done by forming 1 bench between (RL525m to 519m) height of the bench will be 6m & width will be more than height of the bench. Control Blasting will be done with Sand bags. Blasting operations will be carried out twice in a week. After presentation the committee asked to submit following details:

- Revised EMP by replacing overhead sprinkler to water tanker for water spraying as suggested by committee.
- Revised CER as suggested by committee.

PP has submitted the response of above queries same date vide letter dated 03.07.2020, 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 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 – 11,970 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 7.40 Lakh as capital and Rs. 3.87 Lakh/year as recurring. Under CER Rs. 03.0 Lakhs in 05year has proposed.

18. Case No 7268/2020 Shri Hajri Anjar R/o Jobat, District Alirajpur (MP)-457990 Prior Environment Clearance for approval of Stone Quarry in an area of 1.00 ha. (12,920 cum per annum) (Khasra No. 895, 906) at Village- Morasa, Tehsil- Alirajpur, District- Alirajpur (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 895, 906) at Village- Morasa, Tehsil- Alirajpur, District- Alirajpur (MP) 1.00 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. 178 dated 19/3/2020 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine total area of 2.20 ha., including this mine.

During presentation as per Google image based on coordinates provided by PP, within 500 meters following sensitive features were observed-

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
River	>70	North East – to south east	Setback of 30m shall be left in the lease as non-mining zone from River, and Provision of Garland drain & settling tanks.

PP further submits that all mining will be done by opencast semi-mechanized method with control drilling and controlled blasting (using sand bag). Mining will be done by forming 2 benches between (RL254m to 243m) height of the bench will be 6m & width will be more than height of the bench. Control Blasting will be done with Sand bags. Blasting operations will be carried out twice in a week. After presentation the committee asked to submit following details:

- Revised general information.
- Revised surface & Production map showing setback of 30m in the lease as non-mining zone from River.

- Revised CER as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 03.07.2020, wherein it was observed that PP submitted the Revised Surface & Production map in these maps mentioned that after deducting the quantity of the stone from the no- mining area, the total available volume for mining of stone is reduced from 12,920 cum./year to 10,070cum./year. 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 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 10,070 cum per annum.
2. Setback of 30m in the lease as non-mining zone from the River.
3. A budgetary provision for Environmental management Plan of Rs. 6.75 Lakh as capital and Rs. 2.91 Lakh/year as recurring and under CER Rs. 2.0 Lakh in 05year has proposed.

19. Case No 7257/2020 M/s Kamakhya Enterprises, Partner Shri Lalji Gupra R/o Near Chak Turning, Ward No. 3, Mauganj, District Rewa (MP)-486335 Prior Environment Clearance for approval of Sardaman Metal Stone Quarry in an area of 2.00 ha. (44,176 cum per annum) (Khasra No. 574/1, 574/2, 575/1, 575/2, 576/1, 576/2) at Village- Sardaman, Tehsil- Hanumana, District- Rewa (MP)

This is case of Metal Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 574/1, 574/2, 575/1, 575/2, 576/1, 576/2) at Village- Sardaman, Tehsil- Hanumana, District- Rewa (MP) 2.00 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. 1239 dated 28/5/2020 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine total area of 4.724 ha., including this mine.

The case was scheduled 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. Committee decided to call PP in next subsequent meetings of SEAC to present their case and even if PP

remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

20. Case No. – 6575/2019 M/s Ojaswi Mining, Partner Shri Pradeep Kumar Mittal, 11-12, Dunne Market, Jabalpur Road, Bargawan, Dist. Katni, MP – 484220. Prior Environment Clearance for Granite Deposit in an area of 2.330 ha. (Revise Form-1 Production Capacity – 7,200 Cu.mt/Year) (Khasra No. 2673), Village - Chilpa, Tehsil - Anuppur, Dist. Anuppur (MP).

This is case of Granite Deposit. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 2673), Village - Chilpa, Tehsil - Anuppur, Dist. Anuppur (MP) 2.330 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's Office letter No.981 dated: 03/08/2019 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine total area of 23.016 ha., including this mine.

The case was scheduled for presentation in 414th SEAC meeting dated 06/01/2020, 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. Earlier PP was also absent in SEAC meeting 410th SEAC Meeting dated 02/12/19 and 403rd SEAC meeting dated 06/11/2019. Committee decided that since sufficient opportunities has been given to the PP for appraisal of their case but PP remains absent thus committee decided that case shall be returned to SEIAA for delisting assuming that PP is not interested to continue with the project.

PP has submitted the desired information vide letter no. nil dated 27/2/2020. Therefore, SEIAA relisted the case and sent revised Form-1 along with technical file to SEAC for appraisal.

The case was scheduled for presentation in 439th SEAC meeting dated 05/06/2020 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 434th SEAC meeting dated 20/05/2020. Committee decided to call the PP in subsequent meetings giving last chance to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was scheduled for presentation but Project Proponent (PP) vide letter dated 03.07.2020 has requested for one more chance to present their case as he is unable to present this case in this meeting. Committee accepted the request made by PP and decided to give last chance to present their case and even if PP remains absent 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

21. Case No 7203/2020 Shri Virendra Singh Jadoun, E-7/M-708, Arera Colony, Dist. Bhopal, MP – 462016 Prior Environment Clearance for Sand Quarry in an area of 3.0 ha. (1500 cum per annum) (Khasra No. 41), Village - Hanumantya, Tehsil - Dharampuri, Dist. Dhar (MP)

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 41), Village - Hanumantya, Tehsil - Dharampuri, Dist. Dhar (MP) 3.0 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 (Ekal Praman-Patra) no. 1049 dated: 27/5/2020 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant in the SEAC 441st meeting dated 15.06.2020. PP stated that this is a case of river sand mining on Sukkad River. During presentation as per Google image based on coordinates provided by PP, it was observed that a road bridge is crossing the lease from the northern stretch of the lease for which PP submitted that they will left 250 meters in the upstream side as non – mining area as per Enforcement and Monitoring Guidelines for Sand Mining, 2020. The sanctioned depth of the sand is 1.0 meters. After presentation the committee asked to submit following details:

1. Revised surface map showing non– mining area 250 meters in the upstream from a bridge.
2. Revised CER add School/ Gram Panchayat related activities as suggested during presentation.

PP has submitted the response of above queries same date vide letter dated 15.06.2020, which was placed before the committee. Committee observed that even after deducting the volume of sand in the non– mining area, the sanctioned volume of sand can be evacuated from the available dry area as per the revised plan submitted by PP. The mining shall be done as per the approved mine plan by concerned DGMs. The EMP 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 ‘B’:

1. Production of Sand as per mine plan with quantity not exceeding 1500 cum/year.
2. 250 meters in the upstream side of road bridge is to be left as non – mining area
3. A budgetary provision for Environmental management Plan of Rs. 4.98 Lakh as capital and Rs 3.34 Lakh as recurring and under CER Rs. 0.30 Lakh/Year is proposed.

Vide SEIAA’s letter no. 1222 dated 23.06.2020, this recommended case was sent back to SEAC for re-considering in view of that “after leaving 250 meters from the road bridge in the upstream side it seems that feasible mining area for production capacity of 1500 cum/year is not available in the lease area”.

In this above context this case file was placed before the committee and committee observed that one of query was raised in the SEAC 441st meeting dated 15.06.2020 regarding revised surface map showing non– mining area leaving 250 meters in the upstream from a bridge. For which, PP vide their letter dated 15/06 2020 submitted the revised production plan leaving 250 meters area as non mining area. As per query of SEAC, following details were submitted by PP which is attached with case file:

SL. No.	Area Specification	Values
01.	Sanctioned sand area	30,000 m ²
02.	Non mining area due to existence of bridge	27,800 m ²
03.	Available area for mining	2200 m ²
04.	Thickness considered for estimation	1.0 m ²

Thus as per above plan submitted by PP, 2200 m² of sand can be excavated from this available minable area. Since the sanctioned volume as per mine plan is only 1500 m², the case was

recommended for grant of prior EC. Committee after deliberations decided that above justification may be sent to SEIAA for consideration.

22. Case No 6740/2020 Shri Rohit Tiwari S/o Shri Mahesh Tiwari, Village - Khiruhi, Dist. Mahoba, UP – 210504 Prior Environment Clearance for Stone Mine in an area of 0.356 ha. (24,000 cum per annum) (Khasra No. 881), Village - Ghatahari, Tehsil - Gaurihar, Dist. Chhatarpur (MP).

This is case of Stone Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 881), Village - Ghatahari, Tehsil - Gaurihar, Dist. Chhatarpur (MP) 0.356 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. 206 dated 18/09/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

In the SEAC 420th meeting dated 27.01.2020 during presentation as per Google image based on coordinates provided by PP within 500 meters, following sensitive other sensitive features:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Pakki road	>100	South	Three row plantation will be proposed
Kachcha Road	>70	North - West	

PP stated that, this mine was allotted in the year 2010 and was transferred to him in the year 2018. PP further submitted that since the lease was granted in 2010 the size of the lease is < 1.00 ha and now only 10 months are left for expiry of their mine lease. After presentation the committee asked PP to submit following details:

- Justify how PP will be mined out the proposed production of 24,000 cum per annum from only 0.356 ha., with bench configuration details.
- Revised year wise plantation scheme.

- Revised CER proposal with addition to proposal for re-grassing the mining area at closure time, on the OB dumps, on the soil of garland drain and on the back filled area (if any).

PP has submitted the response of above quarries same date vide letter dated 27.01.2020, 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 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 24,000 cum per annum only till validity of lease.
2. A budgetary provision for Environmental management Plan of Rs. 20.0 Lakh as capital and Rs. 5.87 Lakh/year and under CER Rs. 1.90 Lakh has proposed.

Vide SEIAA's letter no. 1250 dated 24.06.2020 this case was sent back to SEAC for re-appraisal in view of that "as systematic scientific mining in such a small lease area of 0.356 ha., for production capacity of 24,000 cum/year seems unfeasible /doubtful". In this above context this case file was placed before the committee and committee observed that PP submitted the reply which was raised in the 616th SEIAA meeting wherein PP has submitted that the lease was sanctioned for a period of period of 27.11.2010 to 26.11.2020 and the remaining duration of the lease expiry is 05 months only. As per the approved mining plan the total production capacity is 24,000 cum./annum i.e. 2000 cum/month and PP has just 05 months left. So, in that way PP shall be extracted production of 10,000 cum in 05 months inspite of 24,000 cum./annum. PP also requested to consider their proposal for 05 months only.

Committee observed that as on date as per the approved mine plan, mining can be carried out only up to November, 2020 i.e. for another 04 months & 8000 cum only (considering mining period from August to November, 2020). As per plan submitted by PP vide letter dated 27/01/2020, this production can be achieved with two benches with ultimate depth up to 06 meters only with space available at pit bottom 75x25 meters i.e. 1875 meters. After deliberation, committee decides that above clarification may be sent to SEIAA for onward necessary action.

23. Delisting of following cases as TOR as their validity has expired

TOR's were issued to the following cases and till date neither the EIA nor any request for TOR validity extension has received from PP and the validity of TOR has been expired.

Hence, committee after deliberations decided that these following cases may be sent to SEIAA for delisting:

SN	Case No. Activity	SEAC Meeting details	Reason for delisting
1.	5569/2017 Mr. Amit Khampariya, 3162, Ganga Nagar, Jabalpur, MP (SIA/MP/MIN/18467/2017). Prior Environment Clearance for River Sand in an area of 20.0 Ha. (1,60,000 cum per annum) (Khasra no. 1144) at Village- Basadi, Tehsil - Badwada, Dist. Katni (MP).	SEAC-II 79 th meeting dated 13/06/2017.	ToR Validity was up to 12.06.2020. Since PP neither submitted EIA report, case may be delisted.
2.	5553/2017 Shri Shankar La Vishwakarma, R/o Jalpa Devi Ward Gautam Lane, Katni, MP – 483501 Prior Environment Clearance for Bauxite Mining in an area of 4.79Ha. (7710 ton per annum) (Khasra no. 77, 78, 79) at Village- Imaliya, Tehsil -Murwara, Dist. Katni (MP) (Consultant: M/s C.E.S. Bhopal)	SEAC-II 76 th meeting dated 23/05/2017.	ToR Validity was up to 22.06.2020. Since PP neither submitted EIA report, case may be delisted.

(Dr. Anil Sharma)
Member

(Dr. Mohd. Akram Khan)
Member

(Dr. Sonal Mehta)
Member

(Dr. R. Maheshwari)
Member

(Dr. Rubina Chaudhary)
Member

(Dr. Jai Prakash Shukla)
Member

(Mohd. Kasam Khan)
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/Murum and Soil quarries:

1. Mining should be carried out as per the submitted land use plan and approved mine plan.
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. Overhead sprinklers arrangements with solar pumps 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 03 meters high wind breaking wall of suitable material to avoid fugitive emissions.
8. Thick plantation shall be carryout in the periphery/barrier zone of the lease, mineral evacuation road and common area in the village. 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 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.
9. 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.
10. 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.
11. 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.
12. 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.
13. 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.
14. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
15. 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.

16. 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'.
17. 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.
18. 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.
19. 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.
20. 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.
21. 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.
22. 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 dated 16/01/2020.

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. Overhead sprinklers arrangements with solar pumps 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 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 1/4th 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. 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.
 17. 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.
 18. 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.
 19. 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.
 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

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. Overhead sprinklers arrangements with solar pumps should be provided for dust suppression at the exit gate 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 dated 16/01/2020

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.
 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. 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.

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.

28. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
29. Detailed analysis of availability and quality of the drinking water resources available in the block.
30. 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.
31. The consent of Gram Sabha of the villages in the area where project is proposed shall be obtain.