

The 418th meeting of the State Expert Appraisal Committee (SEAC) was held on 23rd January, 2020 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting-

1. Dr. A. K. Sharma, Member.
2. Dr. Sonal Mehta, Member.
3. Dr. Jai Prakash Shukla, Member.
4. Dr. R. Maheshwari, Member.
5. Shri R. S. Kori, Secretary.

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

1. **Case No. - 5720/2018 M/s Arms Real Estate Developers Pvt. Ltd, G1, Arms Majestic, 34-C, Scheme No. 78, Opposite Shalimar Township, AB Road, Indore, (M.P.) – 452010. Prior Environment Clearance for Residential High Rise Project "The Empress" (Total Plot Area = 9470 sqm, Built-up Area= 42010.04 sqm) at Village - Nipaniya, Tehsil - Indore, Distt. - Indore (M.P.) Cat. - 8(a) Building and Construction Projects. Env. Con. –EQMS India Pvt. Ltd., Delhi.**

This is case of Prior Environment Clearance for Residential High Rise Project "The Empress" (Total Plot Area = 9470 sqm, Built-up Area= 42010.04 sqm) at Village - Nipaniya, Tehsil - Indore, Distt. - Indore (M.P.) Cat. - 8(a) Building and Construction Projects.

This case was scheduled in 326th SEAC meeting dated 21/08/2018, wherein TOR (for violation) was recommended by the committee.

PP has submitted the EIA report vide letter dated 11/02/2019 which was forwarded through SEIAA vide letter no. 2341 dated 21/02/2019.

In this meeting (355th SEAC meeting dated 29/03/2019), this case was again scheduled for EIA presentation wherein 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 348th SEAC meeting dated 01/03/2019. 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.

In this meeting (359th SEAC meeting dated 10/04/2019) the EIA incorporating remediation plan and natural community resource augmentation plan was presented by the PP and their consultant.

EIA incorporating remediation plan and natural community resource augmentation plan was presented by the PP and their consultant wherein: After presentation and discussions it was observed by the committee that the remediation plans and natural community resource augmentation plan submitted by PP needs to be revised as suggested by committee. Please refer the minutes of 359th SEAC meeting dated 10/04/2019 for further details.

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. PP was also absent in the 407th SEAC meeting dated 26/11/2019. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The revised Proposed Remediation Expenditure Plan for "The Empress" presented by PP which is as follows-

S.No .	Environmental Factors/Attributes	Remedial Plan/Augmentation Plan	Remedial Cost (in INR)		Environmental Management Plan	EMP Cost (in INR)/year		Remark
			Capital Cost	Recurring Cost		Capital Cost	Recurring Cost	
1	Land use as per approved Master plan by T&CP, Indore(LU)							
	Construction Phase	No Violation	No Violation	No Violation	--	--	--	Land use of the project site was agricultural and diversion was obtained for the land for establishment of residential project. Diversion document is attached as Annexure 1 . Land use of the site as per Master Plan of Indore, 2021 is Residential. Master Plan of Indore showing project site location is given in Annexure 2 .
	Operation Phase	No Violation	No Violation	No Violation	--	--	--	

2	Environmental Sensitive places, land acquisition status, resettlement & rehabilitation (R&R)							Project involves no R&R issues. Land has been purchased from land owners. Land belongs to Mr. Dinesh Gurjar, Mr. Gopal Gurjar, Mrs. Rukmani Gurjar & Mrs. Manju Gurjar. Land documents are given in Annexure 3 . Arms Real Estate Developers Pvt. Ltd. (AREDPL) are developers of the project and have signed the agreement for joint development of the project with the land owners.
	Constr uction Phase	No Violation	No Violation	No Violation	--	--	--	
	Opera tion Phase	No Violation	No Violation	No Violation	--	--	--	
3	Baseline Environment Monitoring							No environment monitoring was done at site. Therefore, cost has been included in Remediation Cost
	Constr uction Phase	For monitoring of air, water, soil & noise every six month for period of seven years 1. Water: 4 GW sample @ 5000/sample, 4 SW sample @ 5000/sample 2. Air: 4 Sample @ 5000/sample, DG 2 sample @ 7500/sample 3. Noise: 2 sample @ 1000/sample, DG set 2 sample @ 1000/sample 4. Soil: 2 sample @ 4000/sample			For monitoring of air, water, soil & noise every six month 1. Water: 4 GW sample @ 5000/sample, 4 SW sample @ 5000/sample 2. Air: 4 Sample @ 5000/sample, DG 2 sample @ 7500/sample 3. Noise: 2 sample @ 1000/sample, DG set 2 sample @ 1000/sample 4. Soil: 2 sample @ 4000/sample	--	172000	
				1204000				

		For monitoring of air, water, soil & noise every six month for period of one years 1. Water: 2 GW sample @ 5000/sample, 2 SW sample @ 5000/sample, STP inlet & outlet water sample @ 10000/sample 2. Air: 2 Sample @ 5000/sample, DG 1 sample @ 7500/sample 3. Noise: 2 sample @ 1000/sample, DG set 1 sample @ 1000/sample 4. Soil: 2 sample @ 4000/sample			For monitoring of air, water, soil & noise every six month 1. Water: 2 GW sample @ 5000/sample, 2 SW sample @ 5000/sample, S TP inlet & outlet water sample @ 10000/sample 2. Air: 2 Sample @ 5000/sample, DG 1 sample @ 5000/sample 3. Noise: 2 sample @ 1000/sample, DG set 1 sample @ 1000/sample 4. Soil: 2 sample @ 4000/sample	--	117000	
		117000						
	Air Environment							
		Water sprinkling	No Violation	No Violation				Bill showing payment towards water supply is attached as Annexure 4.
		Water pipeline-100m @ Rs 100/m	No Violation	No Violation	--	--	--	Bills of pipeline are attached as Annexure 5.
		2 Water Tanks of 7500 litre @ Rs. 30000/per tanks	60000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
		Container for Storage of raw material	No Violation	No Violation	--	--	--	It was under the scope of contractor. Contractor ageement with scope is attached as Annexure 6.
		Green Nets for covering building for 13000 sqm area @ Rs 15/sqm	195000				--	Proof is not available, therefore cost is taken in Remediation Cost

		Baricading of construction area	No Violation	No Violation	--	--	--	Site barcading Bills is attached as Annexure 7.	
		100 Face mask @ Rs 100	10000					Proof is not available, therefore cost is taken in Remediation Cost	
		Vehicle Inspection @ 15,000/year for 7 years		105000		--	--		
	Operation Phase	Maintenance of 1 no. of DG set/year through AMC for 1 years @ 20,000/year		20000	Maintenance of 1 no. of DG set/year through AMC @ 20,000/year	--	20000		
5	Waste Environment								
	Construction Phase	15 Dustbin @ Rs 2000/each	30000					Proof is not available, therefore cost is taken in Remediation Cost	
		Safety tapes for barricading the waste	No Violation	No Violation				It was under the scope of contractor. Contractor ageement with scope is attached as Annexure 6.	
		Agency fee for collection & disposal Solid waste for 7 years @ Rs. 500/month		42000				Proof is not available, therefore cost is taken in Remediation Cost	
	Operation Phase	20 Dustbin @ Rs 3000/each	60000		-			Proof is not available, therefore cost is taken in Remediation Cost	
		Agency fee for collection & disposal Solid waste for 1 years @ Rs. 1000/month		12000	Agency fee for collection & disposal Solid waste @ Rs. 1000/month	--	12000	Proof is not available, therefore cost is taken in Remediation Cost	
		STP sludge disposal	No Violation	No Violation	STP sludge disposal	--	--	Sludge is being used for landscaping purpose.	
6	Water Environment								
	Construction Phase	Ground water abstraction	No Violation	No Violation	--	--	--	Water Tanker was used during the construction period. Bill is already attached as Annexure 4.	
		Construction of Toilets	200000		--	--	--	Proof is not available, therefore cost is taken in Remediation Cost	

		Toilet maintenance and cleaning for 7 years @ 1000/month		84000				Proof is not available, therefore cost is taken in Remediation Cost
		STP installation of 160 KLD	No Violation	No Violation	--	--	--	STP is constructed, Bills are attached as Annexure 8.
		Construction of 3 RWH KLD	No Violation	No Violation				RWH pit is constructed.
	Operation Phase	Abstraction of Ground water	No Violation	No Violation	--	--	--	Water is being supplied through Municipal Supply. NOC is attached as Annexure 9.
		STP operation and maintenance for 1 years	No Violation	No Violation	STP operation and maintenance @ Rs 10,000/month	--	120000	Bills are attached as Annexure 10.
		Maintenance and cleaning of RWH system @ Rs 20,000/twice in a year for 1 years		20000	Maintenance and cleaning of RWH system @ Rs 20,000/twice in a year	--	20000	Proof is not available, therefore cost is taken in Remediation Cost
		Cleaning and maintenance of water network @ Rs 20,000/twice in a year for 1 years		20000	Cleaning and maintenance of water network @ Rs 20,000/twice in a year	--	20000	
6	Occupational Health and Safety of construction worker							
	Construction Phase	Fire aid kit at site	50000					Proof is not available, therefore cost is taken in Remediation Cost
		PPE for labour	100000					
		Health chekup for labour twice in a year for 50 labour @ 1000/ labour	No Violation	No Violation				It was under the scope of contractor. Contractor ageement with scope is attached as Annexure 6.
	Operation Phase	--			--	--	--	
7	Ecology Environment							
	Construction Phase	Cutting of Trees	No violation	No Violation	--	--	--	No tree was felled. No tree was present on the land. Same is written in Diversion document

		Development of Green Area	No violation	No Violation				
	Operation Phase	Maintenance of green area for 1 years	No Violation	No Violation	Maintenance of green area for @ 10000/month	--	120000	Green area has been developed in the project site and Maintained. Bills are attached as Annexure 11.
8	Soil Environment							
	Construction Phase	Disposal of excavated soil (5333 tonne) @ Rs. 300/truck of 10 tonne		160200	--	--	--	Proof is not available, therefore cost is taken in Remediation Cost
	Operation Phase	--			--	--	--	
9	Noise Environment							
	Construction Phase	Site baricading	No Violation	No Violation	--	--	--	Already included in air
		Ear plugs for labour @ Rs 100/pcs (100 pcs)	10000			--	--	Proof is not available, therefore cost is taken in Remediation Cost
	Operation Phase	Replacement of Vibration pads of DG set (once in five years)	No Violation	No Violation	Replacement of Vibration pads of DG set	30000		Five years not completed yet. Hence cost is not taken in remediation cost
9	Energy Conservation							
	Construction Phase	--			--	--	--	
	Operation Phase	Installation of LED	No Violation	No Violation	--	--	--	Photos of LED are attached as Annexure 14.
		Solar Panel			Installation of Solar street lights (subset of remediation cost)	250000		
9	Transportation of Trucks							
	Construction Phase	Tarpaulin covers for trucks		50000	--	--	--	It was ensured all trucks carrying construction material were covered.
	Operation Phase	--			--	--	--	
10	Disaster Management Plan							

	Constr uction Phase	Earthquake resistant structure	No Violation	No Violation	--	--	--	Already included in cost of project
		Fire fighting system	No Violation	No Violation				Fire NOC is obtained which is attached as Annexure 12.
	Opera tion Phase	Quarterly training@ 2,000/training for 1 years		6000	Quarterly training@ 2,000/training		6000	Cost is taken under remediation
	Total Cost		715000	1840200		30000	607000	
		Remediation Cost	2555200		Cost of EMP	637000		
		Penalty paid against credible action	200000		Deduction	0		Credible Action is attached as Annexure 13.
		Remaining Remediation Cost	2355200		Cost of EMP	637000		

Expenditure Plan

Activity	Remark	Total (INR)	First Year (INR)	Second Year (INR)	Third Year (INR)
1. Environmental Management					
Greenery within the site will be enhanced from mandatory 10% to 25% as remediation for remediating the ecological impacts of the site. Number of trees will be increased at the site such as Neem, Kadam, Ashoka, Gulmohar, Mango, Guaua, Jamun,etc, within the site/outside the campus	Rs 800/per tree	240000	80,000	80,000	80,000
Installation of rainwater harvesting pits for recharging the ground water in addition to mandatory roof top rain water harvesting.	One well or pit with pipeline system @ 2 lakh/one pit	600000	300000	300000	
2. Community Resource Development					
Help of Municipal Authority for maintenance of already developed Park		500000	500000		0
3. Natural Resources Augmentation					
Installation of solar lights within the site/outside the site for promoting the solar energy and save the environment	22 @ Rs 25,000/ pcs	550000	150000	150000	250000
Installation of solar panels with the site to enhance the renewal energy		500000	0	250000	250000
Total Remediation Cost (1+2+3)		2,390,000	1,030,000	780,000	580,000

Cost Incurred for Community Resources Improvement and Management

Project Development Cost: Rs. 44 Crores

As per CER OM, CER cost is 2 % of Rs. 45 Crores, i.e. Rs. 0.90 crores (INR 90 lakhs).

CER Cost Already Incurred

Activity	Cost incurred (INR)	Attachment
Plantation outside the premises (Param Shakti Pid)	1,00,000	Annexure 15
Marble for development in Temple (Akhand Paramdham)	1,30,000	
Marble for development of school (Param Shakti Pid)	1,50,000	
Road Development outside the premises	11,19,856	Annexure 16
Total CSR Incurred	14,99,856	
Remaining Cost of CSR/CER	75,00,144	

Total CSR Incurred: INR 14,99,856

Remaining Cost of CSR: INR 75,00,144

S.No.	Activity	Remark	Total Cost (INR)	1st Year (INR)	2nd Year (INR)	3rd Year (INR)
1	Solar panel Installation for Lighting in nearby Schools	Total 35 KW @ Rs. 1 Lakh / KW	3,500,000	1500000	1000000	1000000
2	Toilet Construction in Schools	Rs. 1,00,000/ toilet	2,300,000	1000000	1000000	300000
3	Drinking Water Cooler with water purification system in school and village	Rs. 35,000/ cooler	735,000	350,000	0	385,000
4	Development of Pucca Road in Village Area		1,000,000	0	1,000,000	0
		Total	7,535,000	2850000	3000000	1685000

Thus as above, PP has proposed Rs. 29,92,200.00 Lakhs (Rs. 23,55,200.00 Lakhs as Remediation Cost and Rs. 6.37 Lakhs for Environment Management Plan, PP already paid Rs. 2.0 lakh against credible action) for this project and PP, M/s. Arms Real Estate Developers Pvt. Ltd, G1, Arms Majestic, 34-C, Scheme No. 78, Opposite Shalimar Township, AB Road, Indore, (M.P.) – 452010, has proposed to submit bank guarantee of INR Rs. 23,55,200.00 Lakhs towards Remediation Plan.

Committee after considering the reply recommends that PP may be asked to deposit the bank guarantee (BG) with three years validity of Rs. 23,55,200.00 Lakhs (equivalent to amount proposed in Remediation Plan /Restoration Plan) with the MP Pollution control Board after approval of the SEIAA as per the procedure laid down in the MoEF&CC Notification dated 08/03/2018.

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 Environment Clearance for proposed Residential High Rise Project "The Empress" (Total Plot Area = 9470 sqm, Built-up Area= 42010.04 sqm) at Village - Nipaniya, Tehsil - Indore, Distt. - Indore (M.P.), Category: 8 (a) Building & Construction Project., subject to the following special conditions and submission of bank guarantee (BG) with 03 years validity of Rs. 23,55,200.00 Lakhs (equivalent to amount proposed in remediation and resource augmentation plan) with the M.P. Pollution control Board , with following additional conditions:

Statutory Compliance

- i. The project proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- ii. The approval of the Competent Authority shall be obtained for structural safety of building due to earthquakes, adequacy of firefighting equipment etc as per National Building code including protection measures from lightening etc.
- iii. 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.
- iv. The project proponent shall obtain the necessary permission for drawl of ground water/surface water required for the project from the competent authority.
- v. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.

- vi. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- vii. The provisions for the solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- viii. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power Strictly.

II. Air Quality Monitoring and preservation

- i. Notification GSR 94(E) dated: 25/1/2018 MoEF & CC regarding Mandatory implementation of Dust Mitigation Measures for Construction and Demolition Activities for project requiring Environmental Clearance shall be complied with.
- ii. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released covering upwind and downwind directions during the construction period.
- iv. 02 Diesel power generating sets 1 X 200 & 1 X 250 = 450 kVA proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
- v. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking wills all around the site plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, Murram and other construction materials prone to causing dust polluting at the site as well as taking out debris from the site.
- vi. Sand, Murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
- vii. Wet jet shall be provided for grinding and stone cutting.
- viii. Unpaved surface and loose soil shall be adequately sprinkled with water to suppress dust.
- ix. All construction and demolition debris shall be stored at the site (are not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.
- x. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.

- xi. The gaseous emission from DG sets 1 X 200 & 1 X 250 = 450 kVA shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xii. For indoor air quality the ventilation provisions as per National Building Code of India.

III. Water quality monitoring and preservation

- i. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
- ii. Buildings shall be designed to follow the natural topography as much as possible Minimum cutting and filling should be done.
- iii. The total water requirement during operation phase is 201 KLD out of which 137 KLD is fresh water requirement and 151 KLD will be the sewage generation (@80% of the water consumption) out of which 121 KLD total recycled water recovered from STP, out of which 57 KLD recycled water will be used for flushing and 07 KLD for Horticulture / Landscape .
- iv. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring reports.
- v. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for separately for ground water and surface water sources, ensuring that there is no impact on other users.
- vi. At least 20% of the open spaces as required by the local building bye-laws shall be previous. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as previous surface.
- vii. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- viii. Use of water saving devices/fixtures (Viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- ix. Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.

- x. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- xi. The local bye-law construction on rain water harvesting should be followed. If local by-law provision is not available, adequate provisions for storage and recharge should be followed as per the Ministry of Urban Development Model Building bylaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
- xii. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meter of built up area and storage capacity of minimum one day of total fire water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
- xiii. For rainwater harvesting, 03 recharge pits will be constructed for harvesting rain water.
- xiv. The RWH will be initially done only from the roof top. Runoff from green and other open areas will be done only after permission from CGWB.
- xv. All recharge should be limited to shallow aquifer.
- xvi. No ground water shall be used during construction phase of the project.
- xvii. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
- xviii. The quality of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The recorded shall be submitted to the Regional Office, MoEF & CC along with six monthly Monitoring report.
- xix. Sewage shall be treated in the FAB based STP (Capacity - 160 KLD). The treated effluent from STP shall be recycled/re-used for flushing. AC makes up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.
- xx. The waste water generated from the project shall be treated in STP of 160 KLD capacity (based on FAB based technology) and then reused for various purposes. No water body or drainage channels are getting affected in the study area because of this project.
- xxi. No sewage or untreated effluent water would be discharged through storm water drains.
- xxii. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problems from STP.
- xxiii. Sludge from the onsite sewage treatment including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Control Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

IV. Noise monitoring and prevention

- i. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitoring during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.
- ii. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- iii. Acoustic enclosures for DG sets, noise barriers for ground run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

V. Energy Conservation measures.

- i. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured, Building in the State which have notified their own ECBC, shall comply with the State ECBC.
- ii. Outdoor and common area lighting shall be LED.
- iii. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
- iv. Energy Conservation measures like installation of CFLs/LED's for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
- v. Solar, wind or other renewable energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level /local building bye-law's requirement, which is higher.
- vi. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

VI. Waste Management

- i. Total waste 740 Kg/day, this consist all types of wastes (as recyclable waste 233.0 Kg/day and recyclable waste 507.0 Kg/day) and shall be treated/ disposed off as per provision made in the MSW Rules 2016.
- ii. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the MSW generated from project shall be obtained.
- iii. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- iv. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste (0.4 ton/day) shall be segregated into wet garbage and inert materials.
- v. All non-biodegradable waste shall be handed over the authorized recyclers for which a written lie up must be done with the authorized recyclers.
- vi. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- vii. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction materials quantity. These include fly ash brick, hollow bricks, AACs, Fly Ash Lime Gypsum block, compressed earth blocks and other environmental friendly materials.
- viii. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016 Ready mixed concrete must be used in building construction.
- ix. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the construction and Demolition Rules, 2016.
- x. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.

VII. Green Cover

- i. Total 125 trees shall be planted in the area of 2387.25 sq.m. (Which is 25.2% of total plot area) which is developed as greenbelt development .
- ii. Not tree can be felled/transplant unless exigencies demand. 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. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should included plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
- iv. Where the trees need to be cut with prior permission from the concerned local Authority, Compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
- v. Topsoil should be stripped to depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stack plied appropriately in designated areas and reapplied during plantation of the proposed vegetations on site.

VIII Transport

- i. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public and private network. Road should be designed with due consideration for environment and safety of users. The road system can be designed with these basic criteria.
 - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic
 - b. Traffic calming measures.
 - c. Proper design of entry and exit points
 - d. Parking norms as per local regulation
- ii. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- iii. Total proposed Parking's arrangement for 225 ECS (in which 65 ECS provided for basement parking 76 ECS for Silt parking and 84 for open parking).
- iv. A detailed traffic management and traffic decongesting plan shall be drawn up to ensure that the current level of service of the road within a 05 Kms radius of the project as maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of the development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management and the PWD/competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

IX. Human health issues

- i. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
- ii. For indoor air quality the ventilation provisions as per National Building Code of India.
- iii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implementation.
- 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. Occupational health surveillance of the workers shall be done on a regular basis.
- vi. A First Aid Room shall be provided in the project both during construction and operations of the project.

X. Corporation Environment Responsibility

- i. 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.
- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The Environmental policy should prescribe for standard operating procedures to have proper checks and balance 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 reports.
- iii. A separate Environmental Cell both at the project and company head quarter with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. 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.
- v. PP has proposed Rs. 29,92,200.00 Lakhs (Rs. 23,55,200.00 Lakhs as Remediation Cost and Rs. 6.37 Lakhs for Environment Management Plan) for this project.

- vi. For this project PP has proposed Rs 75.35 Lakhs as Corporate Environment Responsibility (CER).
- vii. The M/s. Arms Real Estate Developers Pvt. Ltd, G1, Arms Majestic, 34-C, Scheme No. 78, Opposite Shalimar Township, AB Road, Indore, (M.P.) – 452010 has proposed to submit bank guarantee of INR 23,55,200.00 Lakhs towards Remediation Plan /Restoration Plan.

XI. Miscellaneous

- i. The project authorities must strictly adhere to the stipulation made by the MP Pollution Control Board and the State Government.
- ii. 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 State Expert Appraisal Committee (SEAC)
- iii. No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- iv. 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.
- v. 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.

2. Case No. - 6030/2019 Shri Nitin Vinayak Patil, Plot No. 23, Rameshwari Road near Trisharan Chowk, Kunjilal Peth, Ambedkar Nagar, Gurukrupa Society, Parwati Nagar, S.O. - Nagar, Mah – 440027 Prior Environment Clearance for Dolomite Deposit Mine in an area of 10.00 ha. (1,20,000 cum per annum) (Khasra No. 278), Village - Lohani, Tehsil - Sausar, Dist. Chhindwara (MP).

This is case of Dolomite Deposit Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 278), Village - Lohani, Tehsil - Sausar, Dist. Chhindwara (MP) 10.00 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. 1555 dated: 28/09/2018 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine with total area of 49.064 ha., including this mine.

The case was presented by the PP in 359th SEAC meeting dated 10/04/2019 for issuing of TOR to carryout EIA studies with site specific details. During presentation the committee observed that the mine area is situated on a hill top and the slope of mine towards the north- east and the south- west moreover the surface of the hill is undulating hence the area become sensitive w.r.t. deployment of men and machine. Committee after deliberations asked the PP to elaborate method of mining, details of haul road with consideration of variable gradient in and around of the lease. PP also stated that as per DFO letter dated 23.07.2018 & no. 97 dated 15.01.2013 a forest parcel no. 1589 & 1590 of RF is approximately 50- 60 meters from the lease for which they have taken NOC from the Divisional Level Forest Committee vide letter no. 30.12.2014.

Being a case of mining of mineral where the lease area is of >5.00 ha., the committee after deliberation recommended to issue standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's and general conditions as per Annex. D:-

1. As the lease is situated on a hill top, the details of transportation and haul road wrt gradient, length & width shall be provided in EIA report. PP to elaborate method of mining considering variable gradient in and around of the lease.
2. A river is flowing on the northern side of the lease thus its detailed protection plan shall be discussed in the EIA report.
3. Some trees are in existence in the lease area thus their inventory (species, girth etc) shall be provided in the EIA report.

PP has submitted the EIA report vide letter dated 08/01/2020 which was forwarded through SEIAA vide letter no. 3887 dated 10/01/2020.

The case was presented by the PP and their consultant wherein it was observed by the committee that in DFO letter vide no. 1799 dated 23.07.2018 reveals that forest parcel 1589, 1590 are 55-60 meters which is in the south of the lease from the lease, PP submitted that they have obtained approval from Divisional Commissioner Level Forest Committee, meeting held on 30.12.2014. PP further stated that issues raised in the public hearing have been incorporated in the EMP and CER. PP said blasting will be performed occasionally and blasting operations will be carried out by the license holder/ Authorised Agency. After presentation, PP was asked to provide response on following:

1. Separate data of OB and top soil generation.
2. Revised location of rest shelter, site office and other facility show on surface map as suggested during presentation.
3. Commitment for Control blasting.
4. Revised water demand for sprinkling.
5. Revised EMP budget including revised water cost, road length, and dimension of MS sheets as suggested by the committee.
6. Revised CER incorporating boundary wall, play ground, with budget as suggested by the committee.

PP vide their letter dated 23.01.2020 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 Dolomite Deposit Mine in an area of 10.00 ha. (1,20,000 cum per annum) (Khasra No. 278), Village - Lohani, Tehsil - Sausar, Dist. Chhindwara (MP). subject to the following special conditions:

(A) PRE-MINING PHASE

1. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
2. Necessary consents for proposed activity shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
3. Authorization (if required) under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 should be obtained by the PP if required.
4. PP will also carry out fencing all around the lease area.
5. If any tree uprooting is proposed necessary permission from the competent authority should be obtained for the same.
6. For dust suppression, regular sprinkling of water should be undertaken and frequency of water sprinkling should be increase @ 05 times /day particularly in the summer season.
7. Haul road and shall be compacted on regular interval and transport road will be made pucca (tar road) and shall be constructed prior to operation of mine.
8. PP will obtain other necessary clearances/NOC from respective authorities.
9. Slope stability study shall be carried out before commencing the mining activities.
10. Reject stone shall be sold only after approval of the State Government as per the prevailing rules & regulations.
11. PP will compiled all the conditions imposed by Divisional Commissioner Level Forest Committee.

(B) MINING OPERATIONAL PHASE

12. No overcharging during blasting to avoid vibration.
13. Controlled and muffle blasting shall be carried out considering habitation northern side of the lease.
14. Working height of the loading machines shall be compatible with bench configuration.
15. Slurry Mixed Explosive (SME) shall be used instead of solid cartridge.
16. No explosive will be stored at the mine site.
17. No intermediate stacking is permitted at the mine site.
18. No dump shall be stacked outside the lease area.
19. Overhead sprinklers shall be provided in mine.
20. Curtaining of site shall be done through thick plantation all around the boundaries of all part of lease. The proposed plantation scheme should be carried out along with the mining and PP would maintain the plants for five years including casualty replacement. Initially, dense plantation shall be developed along the site boundary (in three rows) to provide additional protection in one year only.
21. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed in the landscape plan & EMP a minimum of 10000 trees shall be planted on barrier zone, backfilled area and along the transportation route.
22. Transportation of material shall be done in covered vehicles.
23. Transportation of minerals shall not be carried out through forest area.
24. The OB shall be reutilized for maintenance of road. PP shall bound to compliance the final closure plan as approved by the IBM.
25. Garland drain and bund along with settling tank will be maintained in the boundary side and around dump to prevent siltation of low lying areas and in rush of water into the mine. The size of the garland drain will be 1590 M X 2M X 1.5M. The settling tank will be one in number of size 10 MX 02M X 2m & 30 M X 6m X 2.5M with a mine sump of 20 M X 02MX2M.
26. All garland drains shall be connected to settling tanks through settling pits and settled water shall be used for dust suppression, green belt development and beneficiation plant. Regular de-silting of drains and pits should be carried out.
27. For dust suppression over head sprinkler shall be provided while on transport road for dust suppression tankers shall be provided.
28. The existing and proposed land use plan of the mine is as follows:

S.N	Land use	Present	Scheme period	Conceptual period
1.	Excavation, ha.	0.0484	5.0278	8.3900
2.	Soil/OB dumps, ha.	0	1.6200	0
3.	Haul roads, ha.	0	0.0375	0
4.	Office & rest room, ha.	0	0.0150	0
5.	Plantation, ha.	0	1.6100	1.6100
6.	Undisturbed, ha.	9.9516	1.6897	0
	Total area in ha.	10.0000	10.0000	10.0000

29. Appropriate and submitted activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat. Further any need base and appropriate activity may be taken up in coordination with local panchayat.
30. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
31. The commitments made in the public hearing are to be fulfilled by the PP.
32. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.
33. PPE's such as helmet, ear muffs etc should be provide to the workers during mining operations.

(C) ENTIRE LIFE OF THE PROJECT

34. In the proposed EMP, capital cost is Rs. 14.66 Lakh is proposed and Rs.11.12 Lakh /year as recurring expenses.
35. Under CSR activity, Rs. 2.0 Lakh /year are proposed as capital and recurring expenses respectively in different activities and should be implemented through respective committees.
36. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be implemented through monitoring cell. In case the allocated EMP

budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.

37. A separate bank account should be maintained for all the expenses made in the EMP activities by PP for financial accountability and these details should be provided in Annual Environmental Statement.
38. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
39. PP will comply with all the commitments made vide letter dated 23.01.2020.
40. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

3. **Case No.5949/15 M/s Aarone Developers Pvt. Ltd, 6th floor, Office Tower Select City Walk, A-3 District Center Saket, New Delhi – 110017 Prior Environment Clearance for Proposed Area Development and Township Project "County Walk" (Total Plot Area: 8,08,110 sqm, Total Planning Area: 7,81,340.0 sqm) at Khasra no 12/3, 12/7, 12/4, 12/5, 46/1/2/3, 12/6 (P), 12/8, 14, 15/1, 17/1, 17/2, 19, 18/1, 36, 37, 38, 39, 48, 49,40/1, 46/1/1(P), 46/1/1/2, 46/1/2/1, Village - Jalariya, Tehsil & Dist. Indore, MP.Environment Consultant- ENV DAS (India) Pvt. Ltd.**

This is case of Prior Environment Clearance for Proposed Area Development and Township Project "County Walk" (Total Plot Area: 8,08,110 sqm, Total Planning Area: 7,81,340.0 sqm) at Khasra no 12/3, 12/7, 12/4, 12/5, 46/1/2/3, 12/6 (P), 12/8, 14, 15/1, 17/1, 17/2, 19, 18/1, 36, 37, 38, 39, 48, 49,40/1, 46/1/1(P), 46/1/1/2, 46/1/2/1, Village - Jalariya, Tehsil & Dist. Indore, MP. This case was scheduled in 352nd SEAC meeting dated 18/03/2019 wherein ToR (for Violation) was recommended.

PP has submitted the EIA report vide letter dated 10/12/2019 which was forwarded through SEIAA vide letter no. 3661 dated 02/01/2020.

The case was scheduled for the EIA 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.

4. **Case No. – 6706/2019 Shri Rajesh Chauradiya S/o Shree Babulal Chauradiya, 14, Neem Chauk, Jaora, Dist. Ratlam, MP – 457226. Prior Environment Clearance for Crusher Stone Quarry in an area of 4.00 ha. (48,500 cum per annum) (Khasra No. 116), Village - Banwada, Tehsil - Jaora, Dist. Ratlam, (MP).**

This is case of Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 116) Village - Banwada, Tehsil - Jaora, Dist. Ratlam, (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 Collector Office letter No. 2049 dated: 06/02/2019 has reported that there are no more mines operating or proposed within 500 meters around the said 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. PP was also absent in 415th SEAC meeting dated 07/01/2020. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

5. **Case No. – 6663/2019 Smt. Kalpana Jain W/o Shri Sharad Kumar, Village - Salaiya, Tehsil - Badwara, Dist. Katni, MP Prior Environment Clearance for Dolomite Mine in an area of 3.92 ha. (20,170 tonne per annum) (Khasra No. 402, 412, 413), Village - Salaiya, Tehsil - Barwara, Dist. Katni, (MP).**

This is case of Dolomite Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 402, 412, 413), Village - Salaiya, Tehsil - Barwara, Dist. Katni, (MP) 3.92 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. 1477 dated: 08/04/19 has reported that there are 05 more mines operating or proposed within 500 meters around the said mine total area of 20.93 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. Earlier PP was also absent in 415th SEAC meeting dated 07/01/2020 and in 409th SEAC meeting dated 28/11/2019. 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.

6. **Case No. – 6661/2019 Shri Dharamraj Yadav S/o Shri Ramcharan Yadav, Nagna Thana, Nariyalwali, Tehsil & Dist. Sagar, MP – 484881 Prior Environment Clearance for Stone Quarry in an area of 4.00 ha. (50,038 cum per annum) (Khasra No. 201/1), Village - Bicharpur, Tehsil - Pushprajgarh, Dist. Anuppur, (MP).**

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 201/1), Village - Bicharpur, Tehsil - Pushprajgarh, Dist. Anuppur, (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. 54 dated: 13/03/2018 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation in 415th SEAC meeting dated 07/01/2020, 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 409th SEAC meeting dated 28/11/2019. 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 presented by PP and their consultant wherein during presentation it was observed that a crusher is installed within the lease area for which PP submitted that this crusher belongs to M/s Gawar construction Ltd. installed for gitti crushing of neighboring lease allotted on Temporary Permit. PP further submitted that they will purchase this crusher from M/s Gawar construction Ltd., and relocate it on suitable place i.e. on the southern part of the lease.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
River	250	East	<ul style="list-style-type: none"> Controlled blasting with arrangements of sand bags Three rows of Plantation in this side. Provision of Garland drain & settling tanks.
River	350	West	<ul style="list-style-type: none"> Provision of Garland drain & settling tanks.

After presentation PP was asked to submit following details:

1. A copy of consent issued by MPPCB for installation of the crusher to M/s. Gawar construction Ltd for verification of the statement made by PP.
2. Revised location of crusher on surface plan.
3. Commitment for Control blasting.
4. Copy of consent obtained by M/s Gawar construction Ltd.
5. Revised EMP & CER as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 23.01.2020, 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 50,038 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 10.15 Lakh as capital and Rs. 5.71 Lakh and under CER Rs. 0.60 Lakh/ year has proposed.

7. Case No. – 6718/2019 Shri Mohan Lal Gautam, Rajendra Nagar Gali No. 10, Kamadgiri Complex, Dist. Satna, MP – 485001. Prior Environment Clearance for Stone Quarry in an area of 1.672 ha. (16,000 cum per annum) (Khasra No. 341/1/Ka/1), Village - Patarhai, Tehsil - Rampur - Baghelan, Dist. Satna (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 341/1/Ka/1), Village - Patarhai, Tehsil - Rampur - Baghelan,

Dist. Satna (MP). 1.672 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. 2508 dated: 30/09/2019 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, following sensitive features were observed within 500 meters of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Human settlement	75	North	<ul style="list-style-type: none">• Controlled blasting with arrangements of sand bags.• Three rows of Plantation in this side.• Orientation of mine shall be from East to West

PP further submits that all mining operations will be undertaken by Open Cast Semi Mechanized Method. After presentation the committee asked to submit following details:

- Revised blasting frequency and commitment for control blasting.
- Revised production map showing orientation of mine from East to west in order to protect nearby habitation.
- Revised EMP by adding dimension of road as suggested by the committee.

PP has submitted the response of above quarries same date vide letter dated 23.01.2020, 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 16,000 cum per annum.

2. A budgetary provision for Environmental management Plan of Rs. 7.70 Lakh as capital and Rs. 3.96 Lakh and under CER Rs. 0.60 Lakh/ year has proposed.

8. Case No. – 6702/2019 M/s Sudma Construction Pvt. Ltd, Director, Shri Rajeev Sharma S/o Shri Harishankar Sharma, Line No. 12, Birla Nagar, Dist. Gwalior, MP Prior Environment Clearance for Crusher Stone Quarry in an area of 1.00 ha. (23,520 cum per annum) (Khasra No. 147/1), Village - Rafatpur, Tehsil - Gwalior, Dist. Gwalior, (MP).

This is case of Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 147/1), Village - Rafatpur, Tehsil - Gwalior, Dist. Gwalior, (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. QL-60 dated: 11/04/19 has reported that there are 17 more mines operating or proposed within 500 meters around the said mine total area of 30.511 ha., including this mine.

Earlier this case was scheduled for the presentation in 412th SEAC meeting dated 09/12/2019 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. Committee decided to call the PP in subsequent meetings.

The case was presented by the PP and their consultant, wherein following project details were submitted by PP during presentation:

Salient Features of this project

Particulars	Details
Type of Mine	Open Cast
Mining Lease Area	1.000 ha
Mineable Area	0.911 ha
Existing Pits & Quarries	Nil
Existing Dumps	Nil
Plantation	Nil

Existing water body	Nil
Existing backfilled area	Nil
Mineable Reserve	262784 M3
Method of mining	Semi Mech.
Ultimate Depth of Mining	30 m bgl (212 mRL)
Ultimate Pit Slope	45o
Expected Life of Mines	11 years
Existing mode to transportation	Road
Area to be covered under dumps in conceptual period	Nil
Area covered under pit in conceptual period	0.911 ha
Area to be covered under plantation by conceptual period	890 Sq. m
Area to be covered under water reservoir	2000 sq m
Elevation	245-242 m MSL
Ground water table	
Pre monsoon	197m MSL (45m bgl)
Post monsoon	202 m MSL (40m bgl)
Production per day in M3 {Assuming 300 working days (8 hours in days)}	78.4 M3
Dumper required per day (19 M3)	4-5 no.

Committee after deliberations decided that being it's a case Stone Quarry with total area of 30.511 ha., including this mine. 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 05 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:-

1. Level of mechanization should be discussed in the EIA report.
2. Hydro geological study should be carried out if ground water intersection is proposed.
3. Status of all court cases (with summery of all the directions and compliances made) issued by honorable Courts.
4. A list of all the mines located in the Billaua, Rafatpur and Chirpura cluster along with their lease area, lease period, existing production, proposed production as per approved mine plan, production for which the EC is desired (Form 1), available minable reserve,

proposed ultimate depth, post mining land use, details of crusher if located within the lease area, if crushing is done outside the lease area its location and details, details of any habitation, water body, road, school, or hospital or any other public place within 500 m of the cluster.

5. A satellite Image of the area showing all the mines and crusher located in the cluster, mineral evacuation route, all important features like water body, habitation, roads, industry and other mines etc located within 5 km radius of the cluster.
6. A surface plan of the entire cluster area (contour interval not more than 3.0 m) with maximum and minimum RL of each mine of cluster.
7. Air pollution control measures adopted by each mine and crusher in the cluster.
8. An evacuation plan for entire cluster with evacuation route shown on a map, location of school, hospital, habitation etc falling on the route should also be shown on the map. The plan should also include the type and condition of the road and a justification that road network is adequate to evacuate the proposed production from the cluster.
9. Ambient Air Quality Monitoring on following locations be conducted for one season (winter):-
 - (a) Three monitoring station one each at three nearby villages i.e. Rafatpur, Billaua, & Chirpura.
 - (b) Two monitoring station one each at main evacuation road and Rafatpur village road.
 - (c) Three monitoring station i.e. one at windward direction and two at leeward direction.
 - (d) Three monitoring station within the cluster area near installed crushers.
 - (e) One monitoring station close to water body
11. Furnish the name and production of the each mine within 01 kms radius that were in operation during the base line data collection.
12. Photography and Videography should also be done during collection of baseline data.
13. Noise Monitoring on following locations be conducted for one season :-
 - (a) Three monitoring station one each at three nearby villages i.e. Billaua, Rafatpur & Chirpura.
 - (b) Two monitoring station one each at nearest square and nearby water body.
 - (c) Three monitoring station within the cluster area near installed crushers.
14. Discuss in EIA report the present scenario of OB management with locations of OB dump marked on map, measures taken for stabilization of dump, photographs of OB dump and proposed OB management plan for entire cluster.

15. Provide information regarding mine wise requirement of water, mine wise source of water and total water requirement of entire cluster.
16. A blast induced ground vibration and air over pressure study for the mines located within 500 m of any dwellings or any other important structure. The study should clearly recommend a site specific square root predictor equation for determining the maximum charge/delay that can be safely used.
17. A drainage plan for entire cluster and surface run off management plan.
18. Hydrological studies be carried out to address the impact of existing mining activities on ground water. The report shall clearly mention the maximum depth up to which mining can be allowed in the cluster without causing any adverse impact on ground water and extent up to which mining can be allowed near surface water body.
19. Proposed plantation scheme and If plantation is proposed outside the lease area also, commitment of district administration is also required.
20. Public consultation is conducted as per EIA Notification, 2006.
21. In addition to EMP for entire cluster in the EIA report a site specific EMP for each mine should also be prepared and submitted separately.
22. Provide details of court cases/ litigations pending, if any.

9. **Case No. – 6713/2019 Shri Swapnil Wycliffe S/o Shri Vinod Wycliffe, New Christian Colony, Dist. Sagar (MP) Prior Environment Clearance for Flag Stone Quarry in an area of 1.360 ha. (1,680 cum per annum) (Khasra No. 739/1, 738/1, 738/2, 738/8), Village - Ujnethi, Tehsil - Sagar, Dist. Sagar (MP).**

This is case of Flag Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 739/1, 738/1, 738/2, 738/8), Village - Ujnethi, Tehsil - Sagar, Dist. Sagar (MP) 1.360 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.380 dated: 20/02/2019 has reported that there are 09 more mines operating or proposed within 500 meters around the said mine total area of 18.22 ha., including this mine.

Earlier this case was scheduled for the presentation in 415th SEAC meeting dated 07/01/2020 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. Committee decided to call the PP in subsequent meetings.

The case was presented by the PP and their consultant, wherein following project details were submitted by PP during presentation:

Salient Features of this project

Particulars	Details
Type of Mine	Open Cast
Mining Lease Area	1.360 ha
Mineable Area	0.910 ha
Existing Pits & Quarries	Nil
Existing Dumps	Nil
Plantation	Nil
Existing water body	Nil
Existing backfilled area	Nil
Mineable Reserve	90620 M3
Method of mining	Semi Mech.
Ultimate Depth of Mining	12 m bgl (447 mRL)
Ultimate Pit Slope	45o
Expected Life of Mines	53.9 says 54 years
Existing mode to transportation	Road
Area to be covered under dumps in conceptual period	Nil
Area covered under pit in conceptual period	0.910 ha
Area to be covered under plantation by conceptual period	4500 Sq. m
Area to be covered under water reservoir	10000 sq m
Elevation	460-459 m MSL
Ground water table	
Pre monsoon	450 m MSL (40m bgl)
Post monsoon	445 m MSL (35m bgl)
Production per day in M3Production per day in M3 {Assuming 300 working days (8 hours in days)}	5.6 M3
Dumper required per day (15 M3)	1 no.

Committee after deliberations decided being it's a case Flagstone Quarry with total area of 18.22 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:-

- Environmental monitoring/sampling shall be conducted as per prescribed in the standard TOR.
- A natural drain/nallah in existence towards South side approximately 50 meters away from the lease thus its protection plan shall be discussed in the EIA report.

10. Sarpanch Gram Panchayat, Chaplaser, Distt. Hoshangabad (Case of DEIAA Hoshangabad). Approval of EMP of Sand Mine in an area of 5.00 ha (50,000 Cum/Year) at Khasra No.1 Village Chaplaser, Tehsil – Babai, Distt. Hoshangabad.

The case was scheduled for presentation in 418th SEAC meeting dated 23/01/2020, 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 416th SEAC meeting. 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.

11. Case No. – 6677/2019 Shri Mukesh Choksey, M/s Mukesh Kumar Choksey, Village - Samardha, Tehsil - Huzur, Dist. Bhopal, MP Prior Environment Clearance for Stone Quarry in an area of 2.00 ha. (15,788 cum per annum) (Khasra No. 304/2/5/1), Village - Samnapurkala, Tehsil - Goharganj, Dist. Raisen, (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 304/2/5/1), Village - Samnapurkala, Tehsil - Goharganj, Dist. Raisen, (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. Q-mining-2018 dated: 02/06/18 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 408th SEAC meeting dated 27/11/2019, wherein it was recorded by the committee that co-ordinates in the Mining Plan and in Surface Map are miss-matched and thus the actual lease cannot be established. Forest area is approximately 150 meters away from the lease boundary according to the submitted DFO letter vide no 2810 dated 30/12/2015 and 1.35 km from the ESZ of Ratapani Abyaran. Further it was

observed that the M.O certificate is signed by Mining Inspector. Committee after deliberation decided that PP should submit following details for further consideration of this case:

1. Revised & approved co-ordinates of the QL area.
2. Complete set of Permission obtained from DLCC regarding nearest forest from the lease area.
3. Necessary documents P-II form and Tehsildar' certificate to be submitted by the PP.

PP has submitted the reply of above raised queries in 408th SEAC meeting dated 27/11/2019; vide received letter dated 01/01/2020, which was placed before committee. Committee after deliberation recorded that PP has submitted:

1. Revised co-ordinates of the lease boundary, which are approved by the concerned Collector's Office vide letter no 1369 dated 30/12/2019
2. Complete set of Permission obtained from DLCC vide meeting dated 09/04/2018 regarding nearest forest from the lease area.
3. All the necessary approved documents.

The case was presented by the PP and their consultant wherein it was observed by the committee that a crusher is installed by the PP. After presentation, PP was asked to submit following details:

1. Revised EMP & CER as suggested by committee.
2. Corrected slides of presentation.
3. Environmental Management Cell.
4. Method of mining with blasting frequency.

PP has submitted the response of above quarries same date vide letter dated 23.01.2020, 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 15,788 cum per annum.
2. All the conditions stipulated by DCLC vide meeting dated 09/04/2018 shall be complied by PP.

3. A budgetary provision for Environmental management Plan of Rs. 6.58 Lakh as capital and Rs. 3.18 Lakh and under CER Rs. 01.00 Lakh/ year has proposed.

12. Case No. – 6664/2019 Smt. Kshama Dangi, Bhagat Singh Ward, Tehsil - Khurai, Dist. Sagar, MP – 470117 Prior Environment Clearance for Boulder Quarry in an area of 1.20 ha. (2,385 cum per annum) (Khasra No. 810/1), Village - Khimiasa, Tehsil - Khurai, Dist. Sagar, (MP).

This is case of Boulder Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 810/1), Village - Khimiasa, Tehsil - Khurai, Dist. Sagar, (MP) 1.20 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. 399 dated: 22/02/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Earlier this case was scheduled for presentation in 409th SEAC meeting dated 28/11/2019 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. Committee decided to call the PP in subsequent meetings.

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

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remarks
Hutments	North-East	>60	<ul style="list-style-type: none">• No blasting is proposed• Three rows of Plantation in this side.
Hutments	North		

The case was presented by PP and their consultant wherein during presentation it was observed that an excavated pit is in existence within lease area for which PP submitted that the lease is allotted to them in this condition and they have shown the same in surface map. Further it was

observed by the committee that lease is surrounded by habitation towards North and east side, for which PP submits that its weathered sand stone in bolder form wherein no blasting is required for its mining. The stone is recovered in the form of thin slab which is used in the wells. After presentation PP was asked to submit following details:

1. Method of mining as no blasting is proposed by PP.
2. Commitment that no blasting shall be carried-out.
3. Revised surface map showing no mining activity shall be carried-out within 50 meters from the nearest habitation at Northern side.

PP has submitted the response of above quarries same date vide letter dated 23.01.2020, 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 2,385 cum per annum.
2. A budgetary provision for Environmental management Plan of Rs. 04.00 Lakh as capital and Rs. 3.00 Lakh and under CER Rs. 0.30 Lakh/ year has proposed.

13. Case No. – 6726/2020 Shri Devendra Singh Thakur S/o Late ShriHarnam Singh Thakur, Ward No. 1, Tehsil - Shahpur, Dist. Saugar, MP - 410001, Prior Environment Clearance for Basalt Quarry in an area of 1.10 ha. (9095 cum per annum) (Khasra No. 1162, 1178/2, 1179/2, 1184/1), Village - Padariya, Tehsil - Padariya, Dist. Saugar (MP)

This is case of Basalt Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1162, 1178/2, 1179/2, 1184/1), Village - Padariya, Tehsil - Padariya, Dist. Saugar (MP) 1.10 ha 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. 1289 dated: 07/09/19 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine total area of 2.44 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.

14. Case No. – DEIAA, Sarpanch, Gram Panchayat, Village - Amladakalan, Tehsil - Seoni Malwa, Dist. Hoshangabad, MP – 461221. Prior Environment Clearance for Sand Mine in an area of 1.315 Ha. (35,000 Cum/Year) (Khasra No. at Village- Shahpur, Tehsil - Seoni Malwa, Dist. Hoshangabad. (EMP).

The case was scheduled for presentation in 418th SEAC meeting dated 23/01/2020 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. PP was also absent in the 414th SEAC meeting dated 06/01/2020. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

15. Case No.-5254/2016 M/s Makhan Minerals LLP, Hoshangabad, MP – 464001. Prior Environment Clearance for Sand mining in an area of 17.00 ha. (1,70,000 cum/year) at Khasra no.-1/1, Village-Pawarkheda, Tehsil - Hoshangabad, Dist. Hoshangabad (MP).

This is case of Sand mining. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site is located at Khasra no.-1/1, Village-Pawarkheda, Tehsil - Hoshangabad, Dist. Hoshangabad (MP) 17.00 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, letter from Mining Officer certifying the leases within 500 meters radius around the site and requisite information in the prescribed format duly verified by the Tehsildar and DFO. Concerned Mining Officer vide letter no. 32 dated: 13/04/16 has reported that there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 341.61 ha including this mine.

As per MO certificate no. 32 dated 13/04/2016, there are there are 03 more mines operating or proposed within 500 meters around the said mine with total area of 341.61 ha including this mine and thus the case was scheduled for approval of TOR.

PP vide letter dated 19/07/2016 has submitted a representation which was forwarded by the SEIAA vide letter no. 2736 dated 26/07/2016 referring GOI, MoEF&CC Notification dated 01/07/2016 and requested that their case may be considered as B2 category.

In the GOI, MoEF&CC notification dated 01/07/2016 it is stated that *“A cluster shall be formed when the distance between the peripheries of one lease is < than 500 meter from the periphery of other lease in a homogeneous mineral area which shall be applicable to the mine leases or query license granted on and after 09/09/2013”*.

MP State Mining Corporation Limited, Bhopal vide their letter no. 397 dated 09/08/2016 has also informed that it is a case of non-cluster as per GOI, MoEF&CC notification dated 01/07/2016 as this lease was sanctioned prior to the 09/09/2013. Concerned Mining Officer vide letter no. 489 dated 29/07/2016 has issued a certificate stating that above lease was sanctioned vide order no. 3872/46/2005/2 dated 03/10/2005 and thus does not falls under the perview of cluster approach as per GOI, MoEF&CC notification dated 01/07/2016.

SEIAA vide letter no. 3172/SEIAA/16 dated 16/08/2016 and 3240/SEIAA/16 dated 26/08/2016 has also instructed to appraise such cases on priority as per GOI, MoEF&CC notification dated 01/07/2016 and thus committee decided that as per the above instructions of SEIAA, all such cases should be appraised on the priority on the basis the lease documents available in the file/representation submitted by the PP.

The case was presented by the PP and their consultant in the 46th SEAC II meeting dated 26/08/2016 and was considered as B2 (non-cluster) on the basis of letter submitted by MP State Mining Corporation Limited, Bhopal vide their letter no. 397 dated 09/08/2016 that it is a case of non-cluster as per GOI, MoEF&CC notification dated 01/07/2016 as this lease was sanctioned prior to the 09/09/2013. Concerned Mining Officer vide letter no. 489 dated 29/07/2016 has issued a certificate stating that above lease was sanctioned vide order no. 3872/46/2005/2 dated 03/10/2005 and thus does not falls under the perview of cluster approach as per GOI, MoEF&CC notification dated 01/07/2016. The submissions made by PP were found satisfactory and acceptable and thus the 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’:

- Production of Sand as per mine plan with quantity not exceeding 1,70,000 cum/year.
- District Authority should record the deposition of sand in the lease area at an interval of 100 meters annually in the last week of September and maintain the records in RL

(Reduce Level) Measurement Book. Accordingly authority may allow lease holder to excavate the replenished quantity of sand in the subsequent year.

- Evacuation of sand should not be allowed through the roads passing through the villages.
- Heavy vehicles (Hywa) should not be allowed on Kachcha, narrow roads.
- If causeway (Rapta) is required to be constructed for mining. It should be removed completely before rainy season every year.
- The river bank from where access ramps are made should be restored and access should be closed every year before rainy season.
- No diversion of active channel should be allowed for mining.

SEIAA vide letter no 3930/SEIAA/16 dated 06.10.2016 sent back the file to SEAC for appraisal on the basis of revised map submitted by the OIC, MPSMCL and Mining Officer, Hoshangabad which was placed before the committee in 56th SEAC-II meeting dated 08/11/2016 .

On perusal of the case file and concerned documents it is found that, earlier the total area was calculated on the basis of “Ekal Pramanpatra” issued by the Asstt. Mining Officer (AMO) vide letter dated 12/06/2016 stating that total area of leases within 500 meters is 341.61ha as AMO has mentioned the total area of Mehraghat, Khasra No. 365 as 233.310ha. AMO has not mentioned the individual areas of mines existing within 500 meters and thus the total area was added and case considered as “Cluster”.

As per the revised certificate issued by the Shri R.K. Nema, OIC, MPSMCL and Mining Officer, Hoshangabad forwarded as per SEIAA letter no 3930/SEIAA/16 dated 06.10.2016, there are 09 more mines within 500 meters with total area of 116.975 ha.

As stated earlier, MP State Mining Corporation Limited, Bhopal vide their letter no. 397 dated 09/08/2016 has informed that that it is a case of non-cluster as per GOI, MoEF&CC notification dated 01/07/2016 as this lease was sanctioned prior to the 09/09/2013. Concerned Mining Officer vide letter no. 489 dated 29/07/2016 has issued a certificate stating that above lease was sanctioned vide order no. 3872/46/2005/2 dated 03/10/2005 and thus does not falls under the perview of cluster approach as per GOI, MoEF&CC notification dated 01/07/2016.

Committee after deliberations decided that on the basis of above certificates issued by the MP State Mining Corporation Limited, Bhopal and Mining Officer this mine does not falls under the

perview of cluster approach as per GOI, MoEF&CC notification dated 01/07/2016 and again recommend the case for grant of prior EC as per the minutes of 46th SEAC II meeting dated 26/08/2016.

The case was scheduled for the 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 the PP in subsequent meetings.

The case was scheduled for presentation in 418th SEAC meeting dated 23/01/2020 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. PP was also absent in the 416th SEAC meeting dated 08/01/2020. Committee decided to give last chance to PP for making presentation in the subsequent meetings of SEAC after which the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

(Dr. Sonal Mehta)
Member

(Dr. A.K. Sharma)
Member

(Dr.R. Maheshwari,)
Member

(Dr. Jai Prakash Shukla)
Member

(R.S.Kori)
Secretary

(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 CSR 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.

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. The mining activity shall be done manually and as per the land use plan & approved mine plan submitted by PP.
5. No heavy vehicles shall be allowed to enter the river bed and the transportation of the sand from the excavation pits of the leased area to the loading point shall be through trolleys (tractor trolleys) and not by heavy vehicles. Only registered 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.
6. 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.
7. Mineral evacuation road shall be made Pucca (WBM/black top) by PP.

8. 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.
9. No Mining shall be carried out during Monsoon season.
10. The depth of mining shall be restricted to 3m or water level, whichever is less. No in-stream mining is allowed. Established water conveyance channels should not be relocated, straightened, or modified.
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 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.
12. 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.
13. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
14. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
15. 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.
16. Appropriate activities shall be taken up for social up-liftment of the area. Funds reserved towards the same shall be utilized through Gram Panchayat/competent authority.
17. Six monthly occupational health surveys of workers shall be carryout and all the workers shall be provided with necessary PPE's. Mandatory facilities such as Rest Shelters, First Aid, Proper Fire Fighting Equipments and Toilets (separate for male & female) shall also be provided for all the mine workers and other staff. Mine's site office, rest shelters etc shall be illuminated and ventilated through solar lights.
18. A separate bank account should be maintained for all the expenses made in the EMP and CSR 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.
19. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
20. 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.
21. NOC of Gram Panchayat should be obtained for the water requirement and forest department before uprooting any trees in the lease area.
22. 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.
23. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.
24. 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.

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 CSR 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.

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 CSR 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 CSR 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.

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.

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