

The 367th meeting of the State Expert Appraisal Committee (SEAC) was held on 01st May, 2019 under the Chairmanship of Mohd. Kasam Khan for the projects / issues received from SEIAA. The following members attended the meeting-

1. Dr. Mohd. Akram Khan, Member.
2. Dr. A. K. Sharma, Member.
3. Shri Prashant Srivastava, Member.
4. Dr. Jai Prakash Shukla, Member.
5. Dr. R. Maheshwari, Member.

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

1. **Case No. - 5793/2018 M/s Madhya Pradesh Police Housing Infrastructure & Development Corporation, 1558, Rishi Cottage Ratan Colony, Narmada Road, Katanga, Jabalpur, (M.P.) 482001. Prior Environment Clearance for Construction of Staff Housing for M.P. Police Housing Project "Police Department" (Total Area = 1,79,880.66 sqm. (44.45 Acres), Total Built-up Area = 73,106.56 sqm) at Khasra No. 9/5, 9/6, 9/7, 9/8, Village - Karondi, Pat. H.No. 2, Halka, Ranjhi/Chandra Shekhar Azad Ward Revenue Circle, Tehsil & Dist. - Jabalpur,(M.P.) Cat. 8(a) Building & Construction Project.**

This is case of Prior Environment Clearance for Construction of Staff Housing for M.P. Police Housing Project "Police Department" (Total Area = 1,79,880.66 sqm. (44.45 Acres), Total Built-up Area = 73,106.56 sqm) at Khasra No. 9/5, 9/6, 9/7, 9/8, Village - Karondi, Pat. H.No. 2, Halka, Ranjhi/Chandra Shekhar Azad Ward Revenue Circle, Tehsil & Dist. - Jabalpur,(M.P.)Category: 8(a) Building & Construction Project. The project requires prior EC before commencement of any activity at site.

The Case was discussed in 337th SEAC Meeting dated 01st January 2019' wherein committee after deliberation recommended EC to SEIAA. Later the case was discussed in the 519th SEIAA meeting dated 16/01/2019 wherein it is recorded that:-

"The case was discussed in SEAC meeting 337th dated 01/01/19 and is recommended for grant of prior EC subject to 41 special conditions. During Presentation Committee observed "from the Google image that some construction and developmental activities are going on the project site for which PP submitted that these construction & developmental activities area on western side of the project and are not the part of this project which is also evident from the location map and recent photographs attached with the project and in the

presentation slides. PP further submitted that they have also submitted commitment that no construction is done at the proposed site vide letter dated 05/10/2018 which is part of the file and given till date there is no construction & development at this project site, PP further submitted that an old building is in existence within the project site with total construction area <20,000 sq meter and thus does not falls within the violation. It was also observed from the Google image that a water body is in existence near the project site for which PP submitted that this water body "Gokpur Lake" which is > 150 meters away from the nearest point of the project site and thus suitable away from the 50 meters away from the nearest point of the project site and thus suitably away from the 50 meters restriction imposed by NGT in their order dated 08/04/2013 from FRL of lake. PP further submitted that no tree cutting is proposed in this project as only shrubs/vegetation is in existence which is not failing in the tree criteria and it's an open barren land PP submitted that no litigation is pending in court of law for this project and same has been mentioned in the Form-1 submitted by them, PP also submitted that the proposed site is earmarked for residential developmental as per Jabalpur master plan, 2031

It is noted Hon'ble NGT Central Bench Bhopal has issued notice regarding original application no. 41/2018 Jaimanglam Jabali Foundation Vs. State of MP & Ohters. The PIL case was filed in NGT (Case NO. 41/2018 Jaimanglam Jabali Foundation V/s State of MP & Others) regarding violation of EIA Notification 2006 by PP SEIAA is respondent NO.2 in the aforesaid case.

Since the matter is sub-judice in Hon;ble NGT in OA 41/s018 – Jaimanglam Jabali Foundation V/s State of MP & Others, hence authority decided to visit the site by SEAC on issues raised in above petition (OA 41/2018) to verify the factual status of the project site so that authority case take necessary decision accordingly.

In light of above, you are requested to visit the site for verification of status of the project area. The technical file also sends to SEAC for further action".

As per the above instructions of SEIAA, a sub-committee of SEAC comprising of Dr. Moh. Akram Khan, Member SEAC and Shri Prashant Shrivastav, Member SEAC visited the site on 03/02/2019. During inspection, Dr. Abhaya K. Saxena, Sr. Scientific Officer, M.P. Pollution Control Board, Bhopal and Shri Sudhir Shrivastava, Project Engineer, Shri M.P. Singh, Quarter Master (6th Batalion), Shri R. K. Haldhkar, Assistant Engineer, Shri Pankaj Wadia, Assistant Engineer, Shri Mazhar Aalam Khan, Junior Engineer, Shri Rohit Pal,

Architect (Arch. Plan), Shri Shani Kumar R/o Ranjhi Basti, Jabalpur, Shri Shani Kumar R/o Ranjhi Basti, Jabalpur, Shri Akhilesh Kumar Singh R/o Ranjhi Basti, Jabalpur from the project side accompanied the SEAC team to the site.

The site inspection panchnama was also made in the presence of 02 local residenats Mr. Shani Kumar and Mr. Akhilesh Kumar Singh, Ranjhi Basti, Jabalpur which is annexed as Annexure-2.

In response to Letter No. 2026/SEIAA/2019 dated 16.01.2019 issued by SEIAA, M.P. pertaining to pending litigation before Hon'ble NGT New Delhi a Sub-Committee visited the site on 03.02.2019 and the observations are as below:

1. It was found by the sub-committee that at the site some earthwork (digging and excavation) has been done by the project proponent. The volume of excavation has been submitted by the PP and has been enclosed. Excavated stone boulders in large number and big size were found dumped along the road near the project site.

It was informed by the PP that the earthwork was done to carry out necessary geotechnical investigations to finalize the technical part of project work and its cost estimation and the stacked stone boulders were part of earlier activities not associated with this project.

2. During the site visit, PP was asked to clarify whether the project site was part of Bajrang Nagar Pahadi range to which it was informed that the land of project site belongs to MPPHC and for which they have submitted necessary revenue land records and are enclosed.
3. The sub-committee ensured during the visit and discussion that the natural drainage pattern should remain unaltered by volume and by direction at the post-construction phase. Necessary documents (drawings and design) for the storm water drain have been submitted by the PP.
4. During the visit, no permanent construction was found at site and no heavy earth moving machines were found at site. However, visible marks of bucket teeth of excavator were found clearly at the face of the hillock.

5. The proposed site has been fenced properly by barricading using the sheets. Further, it was informed that due to existence of many of their facilities like admin. Building, residential houses, parade ground and training centre etc. this particular site has been selected for construction of housing blocks.
6. During the site visit, it was found that a dense residential habitat and public road already exists in the area between the proposed site and Gokulpur Talab.
7. By observing physical site and site plan, sub-committee advised them to protect the hilltop and all its peripheral sloping sides and its foot-toe should be kept intact and unaltered. To this, the PP was asked to submitted revised location plan preserving the hilltop and by shifting one of their construction blocks towards the outer periphery of site. Necessary documents have been enclosed.

PP vide letter No. 1644 dated 13/02/2019 has submitted the information desired by the sub-committee. PP has also submitted an undertaking which is as follows:

1. निर्माण कार्य में अभी तक भूमि सर्वेक्षण (Geotechnical Testing) हेतु खुदाई का कार्य किया गया है ताकि भवनों की स्ट्रेक्चरल डिजाइन को अंतिम रूप दिया जा सके । इस कार्य हेतु बैक हो लोडर (जे.सी.बी.) पोकलेन इत्यादि का उपयोग किया गया था जिन्हें स्थगन उपरांत कार्य योजना स्थल से हटा लिया गया है । वर्तमान में कोई भी मशीन कार्य योजना स्थल पर नहीं है । भू-सर्वेक्षण कार्य हेतु किसी भी प्रकार की ब्लास्टिंग का उपयोग नहीं किया गया है । भविष्य में भी निर्माण कार्य के दौरान ब्लास्टिंग का उपयोग से नहीं किया जावेगा ।
2. निर्माण कार्य में कार्य योजना स्थल में एनजीटी द्वारा 18/12/18 को दिये स्थगन उपरांत व पहले किसी भी प्रकार का स्थाई निर्माण कार्य नहीं किया गया है एवं स्थगन हटने तक कोई भी कार्य नहीं किया जायेगा ।
3. दक्षिण पश्चिम स्थित (पूर्व में निर्मित) हॉस्टल बिल्डिंग का निर्माण वर्ष 2016 में पूर्ण किया जा चुका है, जो कि कार्ययोजना स्थल में शामिल नहीं है ।
4. निर्माण कार्य योजना स्थल के चारों तरफ सुरक्षा की दृष्टि से बेरिकेटिंग का कार्य किया गया है । निर्माण परियोजना (Green Building Rating) ग्रहा (GRIHA) में पंजीकृत है जिसके मापदण्डों में परियोजना स्थल को बेरिकेटिंग किया जाना अनिवार्य है ।
5. भविष्य में खुदाई में निकली मिट्टी एवं पत्थर का उपयोग वाहिनी के क्षेत्र में ही किया जावेगा । खुदाई निकले पत्थरों से रिटैनिंग वॉल, वाउण्ड्रीबॉल एवं पिचिंग का निर्माण कार्य प्रस्तावित है ।
6. निर्माण स्थल का भू-स्वामित्व एवं रूप वाहिनी के स्थापना के समय से पुलिस विभाग के अधिकार क्षेत्र में हैं ।
7. कार्य योजना की बाउण्ड्री के 500 मीटर दायरे में पूर्ण विकसित रहवासी कालोनियाँ निर्मित हैं ।
8. आपके द्वारा मौखिक चर्चानुसार स्थल की चोटी को सुरक्षित रखते हुए निर्माण की रूपरेखा में आंशिक परिवर्तन किया गया है । प्रस्तावित पुनरीक्षित मानचित्र की प्रति संलग्न है ।

9. दक्षिण-पश्चिम में स्थित गोकलपुर तालाब के Catchment Area का स्रोत, निर्माण के बाद भी वैसा ही रखा जावेगा, जैसा कि था उस पर कोई प्रभाव नहीं पड़ेगा ।
10. निर्माण स्थल की खुदाई से भू-जल स्तर पर कोई प्रभाव नहीं पड़ेगा ।

प्रोजेक्ट प्रापोनेट ने नायब तहसीलदार, रांझी, जबलपुर का पत्र क्रमांक 96 दिनांक 06/2/19 भी अपने जबाव के साथ प्रस्तुत किया है जिसमें तहसीलदार द्वारा यह उल्लेखित किया गया है कि

“ न्यायालय के आदेशानुसार ग्राम करौंदी नं. बं. 504 खसरा नं. 9/5, 9/6, 9/7, 9/8 का शासकीय अभिलेख चालू वर्ष व प्रचलित नक्शाशीट वर्ष 1909-10 का मिलान किया, जिसके अनुसार ग्राम करौंदी खसरा नं. 9/5, 9/6, 9/7, 9/8 का रकबा क्रमशः 9.612 हे., 9.612 हे., 4.808 हे., 4.808 हे., एस.ए.एफ. पुलिस विभाग रांझी भू-स्वामी चालू वर्ष खसरा में दर्ज है । शासकीय अभिलेख में बजरंग नगर पहाड़ी के नाम से चालू वर्ष खसरा में कोई प्रविष्ट उक्त खसरा नम्बरों में दर्ज नहीं है । प्रचलित नक्शाशीट में भी उक्त नम्बरों में पहाड़ अलामता अंकित नहीं है” ।

Based on the above points and the facts observed during the site and after deliberate discussion on the visit, the Sub-Committee concludes that earthwork (digging and excavation) has been done by the project proponent prior to the environment clearance. Excavated stone boulders in large number and big size were found dumped along the road near the project site.

The above report of sub-committee was placed before the committee in 349th SEAC meeting dated 05/03/2019. Committee on perusal of the inspection report and after deliberations observed that the PP has started site/land preparing work by carried out earth work (digging and excavation) at site prior EC and recommends that the report may be sent to SEIAA.

SEIAA vide letter no 236 dated 16/04/2019 has forwarded this case file to SEAC by stating that –this case was discussed in 531st SEIAA meeting dated 18.03.19 and it was recorded that –

“As per recommendation of SEAC it was observed by the committee that the earthwork (digging and excavation) has been done by the project proponent prior to the environment clearance. Excavated stone boulders in large number and big size were found dumped along the road near the project site.

Hence it is decided that PP should prepare revised Environment management plan by the accredited consultants, incorporating the assessment of ecological damage, preparation of remediation plan and natural and community resource augmentation plan and SEAC examine the EMP and finalise the bank guarantee against the ecological damage of the environment for its remediation. The project proponent will be required to submit a bank guarantee equivalent to the amount of remediation plan and Natural and Community Resource Augmentation Plan to the MPPCB as per recommended by SEAC. The amount shall be deposited prior to the grant of environmental clearance and released after successful implementation of the remediation plan and Natural and Community Resource Augmentation Plan, and after recommendation by SEAC”

As per above decision, PP has submitted EMP incorporating remediation plan and natural & community resource augmentation plan (533rd SEIAA meeting dated 05.04.19) with estimated cost on 05/04/2019. After deliberation, it is decided to send the above EMP to SEAC along with technical file for examination and appraisal the case.”

The environmental remedial & augmentation plan was presented by the PP and their consultant wherein PP submitted that entire project will be developed as per the T&CP approved layout & land use plan and land belongs to them. During the presentation of environmental remedial & augmentation plan it was discussed that PP has carried out site/land preparing work (digging and excavation) at site prior EC and thus violated the EIA Notification, 2006. PP submitted that except for land preparation, they have not carried out any other activity at the site and since this has come to their notice, all the activities at site are stopped. PP submitted that the earthwork was done to carry out necessary geotechnical investigations to finalize the technical part of project work and project cost estimation. PP further submitted that they have no intention to violate the norms and just to complete the work in stipulated time, this has happened. PP further submitted that this will be a “Zero liquid discharge project”, as all the treated waste water will be re-used within the premises. It was also suggested by the committee that the RWH (rain water harvesting pit) shall be designed as per the hydrogeology of the site. For tree falling, PP submitted that they have already obtained the permission from the concerned authority. During presentation PP submitted that they have provided barricading wall all around the site and water sprinkling was also carried out during earth work. During presentation it was observed by the committee that Rs. 12.50 lakhs has been proposed by PP against remedial cost which needs correction as wrt occupational health checkup of workers, PPE's and management and disposal of stacked boulders. PP was asked to rework out the remedial cost as per the discussion and submit revised sheet for consideration. PP was also asked to submit suitable budgetary provisions for CER as per the MoEF&CC OM dated 01/05/2018.

PP submitted that they require 02 hours time to recalculate the remedial cost and request to make the presentation in the second half of the meeting which was considered, if PP submits the revised proposal. PP vide letter no. 57 & 58/camp Bpl dated 01/05/2019 submitted the revised remedial & augmentation plan and budgetary proposal for CER. During presentation it was submitted by PP that now Rs. 21.80 lakhs has been proposed by PP against remedial cost including cost for occupational health checkup of workers, PPE's and management and disposal of stacked boulders as follows:

Sr.No.	Enviornmental Factors/ Attributes	Remedial Plan/ Augmentation Plan	Remedial Cost		Enviornmental Management Plan	EMP Cost	
			Capital Cost	Recurrin g Cost		Capital Cost	Recurring Cost (per annum)
1	Landuse as per Approved Master Plan by TNCP, Jabalpur	Broken land is as per master plan approved by T&CP (enclosed land use, Area break-up & Undertaking as Annexure-I,II & III). NO VIOLATION	-	-		-	-
2	Enviornmental Sensitive Places, Land Aquisition Status, Resettelment & Rehabilitation	Land is in possession of 6th battalion SAF Ranjhi as per enclosed land revenue record. NO VIOLATION	-	-	Land is in possassion of 6th battalion SAF Ranjhi as per enclosed land revenue record	-	-
3	Baseline Environmental Quality	All the parameters are in the comfort zone in one season EIA study Enclosed report as Annexure-IV)	-	-		-	-
4	a) Land	In the possession of Police Department. No Case or complaint is due or pending.	-	-	Land title is in favour of 6th Battalian SAF Ranjhi, Jabalpur	-	-
	b) Ground Water	No ground bore well is done. NO VIOLATION	-	-	Not applicable, No bore well for ground water taping is proposed.	-	-
	c) Surface Water	Not applicable, No Water body exist within the project lease area.	-	-	Not applicable	-	-
	d) Air	Water sprinkling is done as per terms & conditions of the work order aggrement (3 water	4,200	0	Water sprinklers will be arrange for dust suppression (3 water tractors/day)	0	153,300

		tractors/day) enclosed with bill as (Annexure-V) & Barricating is on site done and exist, enclosed photograph as Annexure-VI)					
	e) Biodiversity	NOT APPLICABLE	-	-	NOT APPLICABLE	-	-
	f) Noise & Vibration	Site is fully barricaded (Annexure-VI). All modern and new machinery was used on site. NO VIOLATION	-	-	All modern and new machinery will be used on site	-	-
	g) Socio economy & Health		-	-		-	-
	g.a. Occupational Health checkup for 150 workers	Initial Medical Examination (IME) for 17 workers deployed on site. (@1000rs/workers)	17,000	0	Initial Medical Examination (IME) for 150 workers deployed on site. (@1000rs/workers) for every 6 months.	0	600,000
	g.b. Personal Protection Equipment	Helmet has been provided to the workers, enclosed Bill receipt as (Annexure-VII)	7,650	0	Helmet, Jackets, Hand gloves & Boots will be provide to 150 workers	73,800	-
	g.d. Shelter and Sanitation	Temporary shelter & Mobile toilets has been provided to workers enclosed pics as (Annexure-VIII) for 17 workers	-	-	Provision of Temporary shelter & Mobile toilets will be extended in numbers during the time of construction for 133 workers	165,000	-
5	Contour plan with slopes, Drainage pattern of the site and surrounding area. Any obstruction of the same by the project	No conversion is done in storm water drainage pattern on site. NO VIOLATION	-	-	Storm water management plan, enclosed: Contour plan with slope & Drainage pattern of site as (Annexure-IX & X)	11,921,935	596,097
6	Tree Felling	Total 14 trees felling was done by the Nagar Nigam, Jabalpur consent enclosed Letter & receipt as (Annexure-XI)	-	-	No further tree falling is proposed.	-	-

	Tree Plantation	Total 300 trees planted during construction. Species wise and location wise inventory enclosed as (Annexure-XII)			Further 1700 trees are to be proposed for plantation as per scheme. (Annexur-XIII)	3,400,000	170,000
7	Permission for Forest Land	NOT APPLICABLE	-	-	NOT APPLICABLE	-	-
8	Environment Policy	Policy is part of Terms & Condition of mutual Agreement, enclosed Part-J as (Annexure-XIV)	-	-	Terms & Condition of departmental policy is Part of Work order awarded to Contractor by the PP	-	-
9	Ground Water Classification	NOT APPLICABLE	-	-	NOT APPLICABLE	-	-
10	Source of water, Water Requirement, Use of treated waste water	Water demand fulfilled by the daily basis tankers. No waste water generated	-	-	Source of water is from Municipality Corporation, consent enclosed as (Annexure-XV). STP is proposed on site with 600 KLD capacity, consent enclosed as (Annexure-XVI)	8,130,280	5,762,514
11	Rain Water Harvesting	No rain water harvesting is required for 70 days. NOT APPLICABLE	-	-	Total 37 pits are proposed on site for operation phase, enclosed master plan as (Annexure-XVII)	12,950,000	647,500
12	Soil Characteristics & Ground Water Table	Soil characteristics are as per baseline environmental data.	-	-	4m depth of rain water harvesting pit, enclosed detail as (Annexure-XVIII)	-	-
	Top Soil Conservation	Quality of top soil & costing of its disposal for reuse enclosed calculation as (Annexure-XIX)	230,514	0	Quality of top soil & costing of its disposal for reuse	4,669,954	-
13	Solid Waste Generation Treatment	Currently stacked within the premises, will be reused in proposed boundary wall, stone pitching & retaining walls on site enclosed calculation as (Annexure-XX)	1,920,957	0	Solid waste will be reused in proposed boundary wall & stone pitching to reduce RCC work on site	6,144,916	307,246

			-	-	House Holds & Street sweeping garbage shall be collected, segregated, transferred, and treated and disposed off by Nagar Nigam, Jabalpur (Annexure-XXI). Saperate Garbage rooms in every block and saperate bins to sagregate the garbage.	1,421,858	71,093
14	Energy Conservation & Energy Efficiency (LED bulb & Solar System)	NOT APPLICABLE	-	-	Provision of Solar panels for street lighting & common areas and LED light for every residential unit.	14,950,000	747,500
15	DG Sets	NOT APPLICABLE	-	-	One DG set of 100 KVA. With prevention of combustion fumes.	1,500,000	75,000
	Parking & Roads	Approach road already exists (5mx100m), Sufficient space exists for parking.	-	-	Proposed parking area (10736.60SQM) & Proposed Road area (43911.91SQM) as per Approved plan	28,946,236	1,447,312
16	Transportation of materials for construction	No Temporary or any Permanent Construction is done on site	-	-	Storage hall/Service Yard (Size-40mx25m) will be for materials stacking during construction	900,000	45,000
17	Disaster Management Plan		-	-	Centralized control room with ERP system	750,000	37,500
	a) Fire	Machines were equipped with their fire extinguishing equipments. Only base earth excavation work is done for 70 days, enclosed as per (Annexure-XXII) NO VIOLATION	-	-	Fire Fighting Orgnizing and Arrangement: External fire hydrant system, hose pipes, pumps with control panel, overhead tanks, First aid, fire extinguishers, sand buckets, Manual and automatic fire alarms, main	20,804,091	1,040,205

					security room, etc.		
	b) Accident & First aid etc.	First aid kit & room provided on site, enclosed photos as (Annexure-XXIII). No accident or injury is reported during this 70 days working period.	-	-	First Aid kit for 150 worker's safety on site.	33,375	1,669
	c) Safety	All transporting tippers were with road worthiness certificates. Enclosed RTO fitness certificate as (Annexure XXIV)	-	-	All loading machines, dumpers & Equipments will be deployed as per safety norms mentioned in Agreement.	-	-
			2,180,321	0		116,761,444	11,701,935

**Total Capital Cost
for Remedial Plan**

say **21.80
Lacs**

**Total Capital Cost
for EMP**

say **11.68 cr**

**Total Recurring
Cost for EMP**

say **01.17 cr**

After presentation, PP further submitted that they will not commit such mistake in future and apologies for inconvenience caused. Committee after deliberations decided that PP may be asked to submit bank guarantee of Rs. 21.80 lakhs. Further, PP has proposed Rs. 116.80 lakhs for EMP of this project. PP has also submitted a commitment that budgetary provision of Rs. 3.15 Crs. has been made for Corporate Environmental Responsibility which will be utilized for various environmental up gradation works in the nearby area.

Committee after considering the reply submitted by PP, recommends that PP may be asked to deposit the bank guarantee (BG) with three years validity of Rs. 21.80 lakhs (equivalent to amount proposed in remediation and resource augmentation 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. After submission of bank guarantee, the case may be considered for grant of Environment Clearance as per the recommendations made in 337th SEAC meeting dated 01/01/2019. The project proponent shall comply with the provisions contained in this Ministry's OM issued vide F.No. 22-65/2017-IA.III dated: 1st May 2018, as applicable, regarding Corporate Environment Responsibility for which budgetary allocation of Rs. 03.15 Crs has been made.

2. Case No.-5456/2016 M/s MOIL Limited, MOIL Bhavan, A-1, Katol Road, Nagpur, Maharashtra - 440013 Prior Environment Clearance for Manganese Ore Mining in an area of 48.974 ha. (0.120 MTPA) (Khasra no. 44759/1-59/8, 62-1-62/12, 63, 89/1-21, 96/1-96/5, 97/1-97/5, 99/1-99/3, 100/1-100/2, 101) at Village- Lugma, Tehsil - Baihar, Dist. Balaghat (MP).

This is case of Manganese Ore Mining. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site, (Khasra no. 44759/1-59/8, 62-1-62/12, 63, 89/1-21, 96/1-96/5, 97/1-97/5, 99/1-99/3, 100/1-100/2, 101) at Village- Lugma, Tehsil - Baihar, Dist. Balaghat (MP).

M/s MOIL has proposed underground mining of Manganese ore in an area of 48.974 Hectares at Survey No: 59/1-59/8,62/1-62/12,63,89/1-21,96/1-96/5,97.1-97/5,99/1-99/3, 100/1-100/2,101,Lugma Village,Baihar, [Paraswada] Tehsil, Balaghat District, Madhya Pradesh. The proposed production of Manganese is 0.120 MTPA. Mining Lease was granted for a period of 50 years by Department of Mineral Resources,Government of M.P. vide letter no.F-3-35/2011/12-1, dated 05.06.2015 and recommended by Ministry of Mines, Government of India, New Delhi vide letter No.5/1/2014/- M.IV, 16/10/2014.The Mining plan was approved by IBM,Nagapur Regional Office, L.No.BGT/MN/ MPLN-1149/NGP, dated 19/05/2015.

The mining is underground mining. The mine lease area comes in Survey of India top sheet No. 64 C/5. The latitude and longitude of the boundary pillars are 21⁰58' 46.123'' N, 80⁰28' 6.516'' E, 21⁰58' 46.373'' N, 80⁰27' 46.532'' E. The region has good deposits of Manganese and has major demand in Steel industry. Geographically the mine is located in the center of India with well connected networks of Roads. The location advantage of the mine makes it possible to dispatch the Manganese in all the directions giving easy accessibility to the market.

The Salient Features of the Project

Project Name	Lugma Manganese Mine of M/s. MOIL Limited
Mining Lease Area	48.974 hectares
Location of Mine	Survey No: 59/1-59/8,62/1-62/12,63,89/1-21,96/1-96/5,97.1-97/5,99/1-99/3,100/1-100/2,101 Lagma(V), Baihar (M), Balaghat(Dt), Madhya Pradesh.
Toposheet number	64 C/5, 64 B/8
Type of activity	Manganese Mining
Proposed production of	0.120 MTPA

mine	
Method of mining	Underground Mechanized mining [Horizontal cut and fill stoping with post filling by sand]
EC Appraisal Category	B1
Type of Land	Private Land
Drilling/Blasting	Controlled Blasting and drilling is proposed.
No. of working days	300 days
Water demand	100 m ³ per day
Sources of water	Water will be supplied from Water tankers from the nearby area
Man power	50
Nearest railway station	Railway station- 32.60 Km
Nearest airport	Nagpur Airport – 200 km
Interstate Boundary	Lugma to Chhattisgarh – 42.81 km Lugma to Maharashtra – 45.31 km
Nearest Village	Lugma Village – 0.8 km [NW]
Recovery claimed M:W	70 :30
Nearest River/ Stream/Canal etc	Nahara Nadi – 2.89 km [W] Kis Nallah – 4.53 km [SE]
National Park	None within 15 kms
Wild Life/Protected Forest/Ecological sensitive zones	None within 15 kms
Reserve Forest boundary [Sarekha RF]	<ul style="list-style-type: none"> • 260 m from RF Boundary Pillar No.7, [COMP.No 1797] • 167 m from RF Boundary Pillar No.8 COMP.No 1797] • 25-27 m from RF Boundary [COMP.No 1516]

Project cost: The proposed mining project cost is Rs. 77 lakhs.

Connectivity:

Lugma mine is located in Baihar Tahsil of Balaghat District, Madhya Pradesh. The mine takes the name of a village. The mine is at 33.5 km from Balaghat town. The Balaghat-Paraswada (Baihar) road (S.H.No.26) almost touches South Western part of the Manganese deposit of Lugma - Ukwa. Paraswada (Baihar) is 24 km further ahead from mine site. Balaghat is connected by all weather roads to important places like Nagpur, Gondia, and Raipur etc.

The case was presented by the PP and their consultant in 61st SEAC-II meeting dated 25/11/2016. It being a case of major minerals of underground mining in an area of 48.974 ha

committee decided that monitoring should be carried out atleast on 10 locations selected on the basis of environmental sensitivity. Committee also proposes to carryout site visit of this lease (if possible) and any additional TOR may be given after site visit. After presentation and deliberations, committee recommended issuing standard TOR prescribed by MoEF&CC with following additional TORs:-

1. Compliance of consent conditions of the MP Pollution Control Board should be obtained from concerned Regional Officer.
2. Top soil management plan be discussed in the EIA report.
3. Subsidence study should be carried out and discussed in the EIA report.
4. Inventory of operating / proposed mines within 2 Km around the said mine should be provided in the EIA report.
5. Evacuation Plan on a map to be provided with transport route, required infrastructure and man-power.
6. Any alternate route avoiding the nearby habitations (if any).
7. Mine ventilation and illumination layout should be addressed in EIA report.
8. Details of tailing pond should be discussed in EIA report.
9. Details of sand stowing should be provided with EIA report.

PP has submitted the EIA report vide letter dated 11/03/2019 which was forwarded through SEIAA vide letter no. 2667 dated 14/03/2019 which was placed before the committee.

The case was presented by the PP and their consultant wherein PP submitted that this is an underground mine and the lease is adjacent to another MOIL mine which is already in operation. After presentation, PP was asked to submit response on following:

1. Justification for variation in Khasra Numbers in DFO certificate, Commissioner Level committee report and submitted application.
2. Land use plan 05 years progressive till and of mine.
3. Administrative chart of Corporate Environment Policy
4. Commitment that if land in degrades R&R with compensation will be provided.
5. Ventilation data wrt to air quality & velocity considering production and man power deployed.
6. Sketch diagram for roof support system.
7. Commitment for no water inundation with justification.
8. Justify 83 KLD water requirements for sand stowing.
9. Commitment that permission of CGWB will be obtained before and intersection.
10. Emergency evacuation plan marked on layout map.
11. Commitment for Zero discharge shall be maintained.
12. Revised EMP and CSR suggested by Committee

13. Primary and secondary wind rose plotted as per the data collected.
14. Estimation of free silica in ambient air.
15. Analysis of heavy metals in soil samples.
16. Justification for high value of color in surface water in one sample.
17. Justification for very low values of fluoride in GW samples & for that suitable plan in EMP.
18. Input data sheet for air quality modeling.
19. Commitment that tailings from malajkhand copper projects will not be utilized in sand stowing without approval from the MP Pollution Control Board.

PP vide letter dated 01/05/2019 has submitted the reply of above queries with relevant annexure as follows which was placed before the committee:

S. No.	Query	Reply
1.	Justification for variation in Khasra numbers in DFO certificate, Commissioner level committee report and submitted application	MOIL has applied mining lease over an area of 52.10 ha. in village Lugma, Tahsil Paraswada (Baihar) of Balaghat district which includes khasra no. 44/1 and others. Accordingly, inspection has been carried out by DFO (North) Balaghat at time of application. The applied area was included of some public road and Govt. revenue land from 250 m forest boundary. The forest committee chaired by Commissioner, Jabalpur has passed the order to grant lease after deducting 25 m area from forest boundary. Accordingly Govt of Madhya Pradesh has recommended 48.974 ha mining lease area in favor of MOIL, Out of 52.10 ha , total 3.126 ha area has been deducted from applied area due to public road and revenue land within 250 m from forest boundary which includes Khasara no. 44/1. As the inspection of DFO and commissioner was carried out on basis of ML application there is difference in khasara number between the reports of DFO & Commissioner from awarded lease area. The copy of recommendations of Govt. of Madhya Pradesh, vide their letter no. F 3/35/2011/12/2 is enclosed as Annexure XIV .
2.	Land use plan 5 years progressive till end of mine	The subsidence study report of the area indicated that no noticeable movement in any of the three orthogonal direction at the surface. This is evidence that the subsidence at the Lugma mine is not any measurable significance and in the near absent of the subsidence due to hydraulic sand filling in underground at Lugma mine. As such there would not be any damaged on surface. Land use plan is enclosed as Annexure I .
3.	Administrative Chart of Corporate Environmental Policy	Refer Annexure II
4.	Commitment that if land is degrades will go for R & R with compensation	MOIL is committing that if land is degrades will go for R & R with compensation and Undertaking letter (Refer Annexure III).
5.	Ventilation Data w.r.t air quality + Velocity considering production and man power deployed.	It is proposed to produced 1,20,000 Tonne/annum (300 days). i.e. 400 T/day = three shift working = 135 Tonne / shift. Face OMS = 3.50 Tonne , nearly 40 persons will be required. 40 x 6 = 240 cu.m. Quantity required + 10% leakages, so maximum air quality required is 300 cu.,m. per shift. The installed ventilation fan is of 3000 cu.m. /minute, it is more than the required capacity. The maximum production is 135 Tonne per shift x 2.50 = 337.50 cu.m. Air quantity is required. The install ventilation fan capacity is 3000 cu.m. /minute, The proposed ventilation section for the mine is enclosed as Annexure IV

6.	Sketch diagram for roof support system	The rock mechanics study has been done from CIMFR, Dhanbad for systematic support design of haulage road, cross cut, ore drive, winzes, and support of roof. Details is enclosed as Annexure V
7.	Commitment for no water inundation with justification	The HFL of the property is 589 mRL. In nearby infrastructure opening is at 629 mRL and it is 2.60 km away from the property and the opening is 40 m above the HFL. Hence there would not be any inundation. Moreover, there would not be surfaced opening in the property. MOIL is committing that, there will be no water inundation. Undertaking letter is enclosed as Annexure III
8.	Justify 83 KLD water requirement for sand stowing.	For the production of 400 tonnes/day = 115 cu.m area will be excavated. This area will be filled per-shift, nearly 40 cu.m. per shift will be filled. At a ratio of 1:3 (1 water, 3 sand), therefore per shift requirement is around 15 cu.m. i.e. equivalent to 15 KLD. 3 shift x15 = 45 KLD / day + 10 % losses (5) + 35 leakages (16), 30 % leakages in the underground (14). Total requirement is around 80 KLD, therefore 83 KLD is assumed. Sand stowing layout plan with details is enclosed as Annexure XV . The install capacity of the sand stowing plant is three times more than the capacity.
9.	Commitment that permission of CGWB will be obtained before an intersection	MOIL is committing that, permission of CGWB will be obtained before an intersection. (Refer Annexure III)
10.	Emergency Evacuation plan marked on layout map	Emergency evacuation plan is enclosed as Annexure VI
11.	Commitment for “Zero discharge” shall be maintained	MOIL will used the underground water for the drilling, sand stowing and sprinkling purpose. The underground water will be re-circulated for various operations. MOIL will not discharge any contaminated water on the surface. MOIL is committing for “Zero discharge” shall be maintained. Undertaking letter is Attached as an Annexure III & IIIA
12.	Revised EMP + CER as suggested by committee	Revised EMP and CER as suggested by the committee is enclosed as Annexure VII
13.	Primary and secondary wind rose	For selecting the AAQ monitoring stations, ABC referred the IMD wind Patterns (IMD data- 1970-2000). Primary and secondary wind rose (Refer Annexure VIII).
14.	Free Silica in PM10	Free Silica in PM10 test results (Refer Annexure IX).
15.	Heavy metals in soil samples	Soil analysis test reports (Refer Annexure X).
16.	Justification for high values of color in surface water	Due to Typo –Error the color in surface water is showing high values, it is actually 5 Hazen instead of 35 Hazen. ABC is herewith submitting the revised test analysis report (Refer Annexure XI).
17.	Reason for very low values of fluoride in Ground water samples + Plan in EMP	Our analyzed values are compared with the CGWB report of Balaghat district, both the values are almost in the same range. For ready reference ABC is herewith submitting the Balaghat District CGWB report (Refer Annexure XII).
18.	Input and Output data of Air Quality modeling	Input and Output data of Air Quality modeling (Refer Annexure XIII).
19.	Commitment that tallings from malajkhand copper projects will not be utilized in sand stowing without approval from the MP Pollution Control Board.	MOIL will not use mill tailings of Malajkhand Copper Project without the permission of MP Pollution Control Board.

The reply submitted by PP was found satisfactory and acceptable and the EIA/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 Environment Clearance for Manganese Ore Mining in an area of 48.974 ha. (0.120 MTPA) (Khasra no. 44759/1-59/8, 62-1-62/12, 63, 89/1-21, 96/1-96/5, 97/1-97/5, 99/1-99/3, 100/1-100/2, 101) at Village- Lugma, Tehsil - Baihar, Dist. Balaghat (MP). subject to the following special conditions:

1. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
2. Transportation of material shall be done in covered vehicles.
3. Transportation of minerals shall not be carried out through forest area.
4. Necessary consents shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.
5. Curtaining of site shall be done through thick plantation all around the boundaries of the lease area.
6. The OB should be properly stacked inside the ML area in barrier zone and disposed off as per the submitted plan. All the waste dumps should be stabilized and compacted properly by appropriate methods and continuous water spraying should be carried out during the handling of waste dumps and muck pile to avoid fugitive emissions.
7. Water sprinkling arrangement through pipeline should be provided at unloading point of underground material and all other dust prone area.
8. For Underground (U/g) operations, mechanical ventilation should be provided (Veq at the rate of 0.99) in all working shifts and ventilation survey should be conducted on monthly basis and flow of air (intake and return) should be monitored as per DGMS norms.
9. For mining operations following standard illumination should be provided as per DGMS norms:

FOR SURFACE LIGHTING		
Sl.No.	Location	Illumination in Lux
1.	Pit top	0.5 lux
2	Siding	0.5 lux
3	Roads	0.2 lux
FOR UNDERGROUND LIGHTING		
Sl.No.	Location	Illumination in Lux
1.	Travelling road way	0.5 lux
2	Pit bottom	1.5 lux

10. For roof support system, as proposed steel rods should be at least 1.50 meter long with minimum 20 mm diameter and the diameter of holes should be 32mm. The load bearing capacity of each bolt shall be at least 02 tonnes of load in one hour and 06 tonnes of load in 08 hours.
11. The back of the excavated area shall be supported by fully grouted long bolt/cable bolts of 16 mm at an interval of 2.0 meter X2.0 meter in a grid pattern with one additional 1.5 meter long fully grouted rock bolt in the centre of the grid. Diameter of each cable bolt shall be at least 16 mm and cable bolts shall be installed in the back of the stope in such manner that its length in the back at no time shall be less than 3.0 meters (for 5.0 meter wide stops) and 4.0 meters (for 7.0 meter wide stops). Each cable bolt shall be capable of bearing at least 25 tonnes of load.
12. The hanging wall shall be supported by rock bolts atleast 2.00 meter long at maximum interval of 2.0mX2.0 m in grid pattern. The bolts shall be installed perpendicular to the foliation plan of the rock mass with one row of chocks shall be provided at an interval of 3.0 meter all along the hang wall side in the stope as and when required. Similarly, additional rack bolts shall be provided as and when required.
13. The freshly exposed footwall area shall be supported with cable bolts of suitable length and the distance between the cable bolt and footwall shall in no case be more than 2.0 meters. If required, inclined cable bolts shall also be provided to ensure the same. If clay bands/geological disturbances exposed in footwall, the side shall be immediately supported by 2.0 meter long fully grouted steel bolts in a grid pattern of 2.0mX2.0m. The bolts shall be installed perpendicular to foliation of the rock mass.
14. Wet drilling system and controlled delay blasting with low charge (if required) as prescribed by DGMS should be practiced.
15. Production of Manganese Ore shall be as per the mining plan with quantity not exceeding 1,20,000 TPA.
16. As proposed by PP, opening to underground is 40 m above the HFL and shall be maintained to prevent entering of water in U/g operation. In this regard, all the norms stipulated by DGMS should be complied.
17. Sand stowing shall be carried out as per the plan submitted in EIA using sand. Any other material such as tailing waste or slag should be used with sand for stowing only after confirming its suitability by MPPCB.
18. Blast vibration study should be carried out once in a year and their record shall be maintained.

19. PP should carryout load testing after 60 minutes of bolting.
20. Garland drains and settling pits should be provided to avoid silt discharge.
21. Fixed types of water sprinklers should be provided on haul road. However, regular water spraying should be practiced transport road for dust suppression.
22. For management of mine water in underground operations, as proposed underground sumps of 20m (L)x05m (W)x 05m (D) with water pumps of suitable capacity shall be provided respectively.
23. The proposed plantation scheme should be carried out and PP would maintain the plants including casualty replacement.
24. Appropriate activities shall be taken up for social up-liftment of the Region. Funds reserved towards the same shall be utilized through Gram Panchayat.
25. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
26. The commitments made in the public hearing are to be fulfilled by the PP.
27. 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.
28. PP will comply with all the commitments made in by the letter dated 01/05/2019.

3. **Case No. - 5646/2018 M/s Ambey Chemtech Pvt. Ltd, Plot No. 74-75, Meghnagar Industrial Area, AKVN, Village - Meghnagar, Distt. - Jhabua, (M.P.) 457779 Prior Environment Clearance for Manufacturing of Dyes and Dye Intermediates Project at Plot No. - 74-75, AKVN, Industrial Area, Meghnagar, Distt. -Jhabua, (M.P.) Capacity: Dyes & Dye Intermediates - 720 MT/Year. Cat. 5(f) Synthetic Organic Chemicals Industry (Dyes & Dye Intermediates) Project. Env. Con. – SMS Enviro Care, Pune (MS).**

The project is covered under the provisions of EIA Notification as item no. 5(f), hence it requires prior EC before commencement of activity at site.

PP and their consultant presented the case for ToR before the SEAC in this meeting. The submissions and the presentation made by the PP and his consultant revealed following:

SALIENT FEATURES OF PROJECT

Sr. No.	Particulars	Details
1.	Name of the project & its location:	Manufacturing of Dyes & Dye Intermediates project of M/s. AmbeyChemtech Pvt. Ltd. 74-75 Meghnagar Industrial Area, Meghnagar – 457779 (Madhya Pradesh)
2.	Name of the Company, Address Tele No. & E-mail :	AmbeyChemtech Pvt. Ltd. Block Office Road, Meghnagar, Meghnagar-457779, Dist. Jhabua. Madhya Pradesh. 9425487696, nayakarvind30@yahoo.co.in
3.	Latitude and Longitude of the project.	Latitude: 22°54'41.60"N Longitude: 74°33'22.60"E Elevation: 328 m AMSL
4.	If a Joint venture, the names & addresses of the JV partners including their share.	Not Applicable
5.	Project brief: nature of proposal (new/expansion) total area- land use, project components, connectivity to the site etc	New Project. Plot Area: 4536.00Sq.m Land Use:For Industrial Purpose Connectivity: <ul style="list-style-type: none"> • Nearest Railway Station: Meghnagar, 1.7Km in SWS direction. • Nearest Airport: Indore, 130.0 Km in ESE.
6.	Cost of the project.	1.30Crores
7.	Whether the project is in Critically Polluted area.	No
8.	If the project is for EC under EIA Notification, 2006	Category: 5(f) Synthetic organic chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates) Category: B Project as located within Notified Industrial Area
9.	a) For the first time appraisal by EAC i) Date of ToR: ii) Date of Public Hearing, location iii) Major issues raised during PH and response of PP. b) Second appraisal (i) Date of first /earlier appraisal (ii) Details of the information sought	a) For the first time appraisal by SEAC i) TOR presentation: 23 rd March, 18 ii) Not Applicable iii) Not Applicable b) Second appraisal i) Not Applicable

	by the EAC with the response of the PP. If the project involves diversion of forest land (i) extend of the forest land (ii) status of forest clearance.	ii) Not Applicable
10.	If the project falls within 10 km of eco- sensitive area i) Name of eco- sensitive area and distance from the project site, ii) status of clearance from National Board for wild life.	Not Applicable. No any area is present which are important or sensitive for ecological reasons Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests.
11.	Waste Management i) Water requirement, source, status of clearance ii) Waste water quantity, treatment capacity, detail iii) Recycling / reuse of treated water and disposal iv) Solid Waste Management v) Hazardous Waste Management.	i) Water Requirement: 35KLD Source: MPAKVN, Meghnagar. ii) Effluent water: 22 KLD effluent water will generated and treated in proposed in- house 30 KLD ETP followed Multiple Effective Evaporator. iii) After ETP treated water will be evaporated in MEE and then condensate will be used in process. iv) Solid waste generated during the manufacturing process and wastewater treatment process is mainly sludge and will be disposed at authorized facility, as per Hazardous and Other Waste (Management & Trans-boundary Movement) Rules, 2016 v) Same as sr. no. iv
12.	Other details i) Noise Modeling with noise control measures for airports. ii) Details of water bodies, impact on drainage if any. iii) Details of tree cutting iv) Energy conservation measures with estimated saving. v) Green belt development (20 % of construction projects and 33 % for others) vi) Parking requirement with provision made	i) Not Applicable ii) Water body: Anas River is 6.0 km in South direction. iii) The proposed site is without any vegetation & trees; hence trees cutting not required. iv) Reduction in energy consumption can be achieved by using LED lights. v) About 1497.00 m ² (33%) area will be left for green development. vi) Not applicable.
13.	If the project involves foreshore facilities	Not Applicable

	<ul style="list-style-type: none"> i) Shoreline study ii) Dredging details, disposal of dredge material iii) Reclamation iv) Cargo handling with dust control measures v) Oil Spill Contingent Management Plan 	
14.	<p>If the project involves Marine disposal</p> <ul style="list-style-type: none"> i) NOC from PCB in case of marine disposal ii) Details of modeling study – details of outfall diffusers, number of dilution expected, distance at which the outlet will reach ambient parameters 9 iii) Location of intake / outfall. Quantity, iv) Detail of monitoring at outfall v) Any other relevant information: 	Not Applicable
15.	<p>Other information</p> <ul style="list-style-type: none"> (i) Investment/Cost of the project is Rs...(incrore). (ii) EmploymentPotential..... (iii) Benefits of the project..... 	<ul style="list-style-type: none"> i) 1.30Crore ii) This project will generate 20 Nos of skilled and non-skilled employment. iii) The project will create opportunities for employment to the nearby villagers. The project shell affect the socio-economy, physical infrastructure and biological environment.
16.	Date of Ground water clearance:	Not Applicable.
17.	Cost of proposed EMP and CSR (with detailed components & proposed activities) with capital cost and recurring cost.	Details of EMP and CSR will be provided in Final EIA Report.
18.	Numbers of plantation with name of species proposed & area allocated for plantation with budgetary provisions.	The green belt will be developed for the proposed project in an area of 1497.00 sq. m (33 %) of the total plot area.
19.	Any river/Nallha flowing near or adjacent to the proposed mine. If yes, please give details.	Nearest water body which is Anas river located in 6.0 km in South direction from the project site

During presentation in the 309th SEAC meeting dated 23/03/2018 it was submitted by PP that for the proposed site CTE from MPPCB was obtained for the production of Dicalcium phosphate & other products for 1825 MT/year vide letter no. 2257 dated 20/12/2013 and have installed some equipments on site but was unable to provide that details of machinery available on site, any production taken till date and disposal of wastes (if any). Committee after deliberations decided to carryout site visit of this unit by a sub-committee of SEAC even before prescribing TOR as there are lots of agitation in Meghnagar IA due to unauthorized/indiscriminate disposal of waste in open area and also as per the policy decision of SEIAA taken in 250th SEIAA meeting dated 14/10/2015 stating that SEAC should also make a site visit before recommending the cases of Chemical Plants to SEIAA. During deliberations it was also informed to the committee that unit has not submitted the interstate boundary certificate issued by the competent authority which is necessary before the appraisal to ascertain the category. Committee was also informed that MoEF&CC has recently forwarded a complaint regarding the distance verification of an industry located in Meghnagar IA from Gujarat State Boundary (as EC was issued by the MoEF&CC considering the interstate distance < 5.00 Kms and Category - A) thus this certificate is must before the appraisal of the project. Considering above issues, committee decided that the TOR will be prescribed based on the outcome of the site visit report and distance certificate verification from the competent authority.

As per above decision, a subcommittee was constituted for site inspection of the site. The sub-committee inspected the site and submitted the report which is as follows: (Annexure-2)

Case No. - 5646/2018 M/s Ambey Chemtech Pvt. Ltd, Plot No. 74-75, Meghnagar Industrial Area, AKVN, Village - Meghnagar, Distt. - Jhabua, (M.P.) 457779

This is a case of manufacturing of Dyes & Dye Intermediates project of M/s Ambey Chemtech Pvt. Ltd., located at plot no. 74 & 75, AKVN Industrial Area, Meghnagar – 457779 (M.P.) The project requires prior EC before commencement of any activity at site and thus they applied for EC through SEIAA. The total plot area for above development is 4536.00 Sq. Meters. The proposed production capacities of Dyes & Dye Intermediates are 720 MT/Year.

BACKGROUND

The case was presented by PP in the 309th SEAC meeting dated 23/03/2018 wherein it was submitted by PP that previously they have obtained CTE from MPPCB, Dhar on 20/12/2013

and started establishing the plant for manufacturing of Di Calcium Phosphate, Manganese Sulphate, Magnesium Sulphate, Ferrous Sulphate for 1825 MT/Year.

Committee after deliberations decided to carryout site visit of this unit by a sub-committee of SEAC even before prescribing TOR as there are lots of agitation in Meghnagar IA due to unauthorized/indiscriminate disposal of waste in open area and also as per the policy decision of SEIAA taken in 250th SEIAA meeting dated 14/10/2015 stating that SEAC should also make a site visit before recommending the cases of Chemical Plants to SEIAA. Committee also decided that the TOR will be prescribed based on the outcome of the site visit report and distance certificate verification from the competent authority.

Shri R. Maheshwari and Dr. Sonal Mehta, Member SEAC, MP visited the site on 07/01/2019 along with Dr. Abhaya K. Saxena, S.S.O., MPPCB, Bhopal and Shri. A. K. Bisen, Regional Officer, MP PCB, Dhar. Shri Anil Dubey, Plant Manager along with his supporting staff was also present during site visit.

M/s Ambey Chemtech Pvt. Ltd. is an existing unit having CTE for manufacturing of Di Calcium Phosphate, Manganese Sulphate, Magnesium Sulphate and Ferrous Sulphate for 1825 MT/Year. PP during inspection informed that they have obtained CTE and started establishing plant but in the mean time considering the market requirement decided to establish unit for manufacturing of Dyes & Dye Intermediates and thus stopped the construction of existing unit and have even not obtained the electrical connection.

During inspection it was observed by committee that PP has erected 03 shades and installed some equipment (05 reactors, 02 storage tanks, 02 open vessels, an old DG set, filter press, cooling tower etc) for manufacturing of consented products. All the installed equipments were lying inoperative even without electrical connections. No other industrial activity was observed on site. During discussions PP informed that some of these equipments will be used in the proposed Dyes & Dye Intermediate plant and remaining will be scraped. During interaction committee realize that PP has no experience of handling and operating Dyes & Dye Intermediates unit.

After inspection, committee asked PP to provide details of equipments existing on the plant premises and will be used in the proposed Dyes & Dye Intermediates unit. PP was also instructed to submit information desired by committee as per 309th SEAC meeting dated 23/03/2018 for further consideration of the project.

The above report was placed before the committee in 340th SEAC meeting dated 30/01/2019, wherein committee decided that PP may be asked to submit detailed information as suggested by the sub-committee and as desired by committee as per 309th SEAC meeting dated 23/03/2018, for further consideration of the project.

The case was presented by the PP and their consultant wherein committee decided to recommend standard TOR prescribed by the MoEF&CC for conducting the EIA along with following additional TOR's and conditions mentioned in annexure-D:

1. Ground water profiling with geophysical survey of the entire area as per the slope & contour shall be carried out for confirmation of any contamination with analysis of samples at different depth.
2. Details of fire-fighting system proposed with risk-assessment study and proposed on-site emergency plan.
3. Recent MSDS of all the raw materials / solvents to be furnished.
4. Lay-out of the Industrial Estate showing location of other industries, with inventory of the industries in 500 meters around the proposed plot.
5. Details of LNG connectivity with safety measures proposed in this regard.
6. DG-set details with air / noise pollution control details.
7. Worst case scenario with respect to water, air pollution and hazardous-waste generation to be presented. The mitigation measures to be detailed out, assuming that the entire plant is producing product(s) responsible for worst environmental scenario.
8. List of solvent with product-by-product solvent balance/ water-balance and material-balance to be included. Details of solvent recovery system should be provided in the EIA report.
9. Explore the possibility of putting some device so as to monitor/detect the concentration of toxic fumes in the work-zone on continuous basis.
10. VOC's to be monitored and reported in the baseline AAQ data.
11. Inventory of all the raw material with mass balance of each of the chemicals being used or proposed to be used.
12. Inventory of all types of hazardous wastes expected from the industry with handling and management plan to be presented.
13. Product-wise Water balance along with the overall water balance to be worked out & presented so as to achieve 'Zero liquid discharge' from the unit.
14. Plan for prevention of waste water percolation into the ground water to be submitted along with the plan of handling in case of spillage of any chemicals.
15. List of material proposed to be stored beyond the prescribed threshold limits.
16. Solar lights to be proposed.

17. Fly –ash generation and its disposal plan.
18. Provision of ‘Green-belt’ all around the periphery of the proposed plot to be made.

4. **Case No. – 6115/2019 Shri Rajeev Tomar, Shri Rajendra Tomar, Village - Attaakarlengaddh, Dist. Sagar, MP – 470441 Prior Environment Clearance for Flag f Quarry in an area of 1.80 ha. (1,368 cum per annum) (Khasra No. 162/23), Village - Chanari, 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. 162/23), Village - Chanari, Tehsil - Sagar, Dist. Sagar (MP) 1.80 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. 473 dated: 07/03/19 has reported that there are 04 more mines operating or proposed within 500 meters around the said mine with total area of 5.60 ha., including this mine.

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 and in case the PP remains absent, the decision will be taken on the basis of documents received from SEIAA.

5. **Case No. - 5748/2018 M/s S.L.K.Organics, Near Mahadev Press, Ward No. 20, Old Ram Mandir Road, Balaghat, MP – 481001 Prior Environment Clearance for Grain Based Distillery for Production of 10 KLPD of total spirit /fuel ethanol, 0.8 MW Co-generation power plant & 9 TPD of CO₂ generation as by product, at Khasra no.- 289/4/2, 289/5/2, 291/19, Village- Kawda (Chatera Road), Tehsil - Lalburra, Dist. Balaghat (MP).Category: 5(g) Distillery Project. Env. Con. – Env. Consultant. – Creative Enviro Services, Bhopal (M.P.). (Revised TOR).**

This is a case of grain based distillery comprising production of RS and ENA including Co-generation of power generation of 0.8 MW Co-generation Power Plant, with proposed production capacity of 10 KLPD of Total Sprit/Fuel Ethanol. The unit is proposed Khasra No. – 289/4/2, 289/5/2, 291/19, at Village- Lawada (Chatera Road), Tehsil - Lalburra, Dist. - Balaghat (M.P.).

Salient features of the project:

The proposed project is green field project for production of Fuel Ethanol using grain as feed stock.

Site Address	Khasra - 289/4/2, 289/5/2, 291/19 , Village - Lawda , Chatera Road , Tehsil Lalburra, and Distt - Balaghat (MP)
Production Capacity	Grain base distillery unit for fuel ethanol of 10 KLPD along with 800 Power Plant
Cost of Project	10 Crore
Grain Requirement	25 TPD
Boiler capacity at MCR (100% Load)	25 TPH
Steam Requirement	45kg/cm ²
Fuel	34 TPD as Rice Husk
Net fresh Water Requirement	108 KLD
Power Requirement	600 KW
Capital Cost for Environmental measures (proposed)	Rs 50 Lacs
Recurring cost for environmental monitoring etc (Proposed)	Recurring charges is envisaged towards monitoring for Continuous Stack Emission Monitoring System (CSEMS) and Effluent Quality Monitoring System (EQMS) for 24x7 online systems for stack as well as effluent To worked out in EIA study)
Proposed area for plantation	5000 sq mt
Alternative Source of Power	DG set of 625 KVA
Land acquired	1.22 hact (12200 sq mtrs)
Land required for plant and building	2796.46 sqmt

Environmental Setting of Project:

S. No.	Particulars	Details
1	Co-ordinate	21° 51' 23.58" N - 80° 7' 16.87" E 21° 51' 23.29" N - 80° 7' 18.90"E 21° 51' 28.78" N - 80° 7' 18.82" E 21° 51' 30.13" N - 80° 7' 20.64" E 21° 51' 26.90" N - 80° 7' 21.64" E
2	Height above mean sea level	315-309m MSL
3	Nearest Town	Balaghat – 5.75km – SE
4	Nearest Railway Station/Town	Dhapewara – 7.25km - ENE
5	Nearest Airport	Nagpur – 140km
6	Nearest Highway/Road	Lalburra –Balaghat SH- 36 - 1.25km
7	Hills/Valley	None in 10 km radius
8	Ecological Sensitive Zone	None in 10 km radius

9	Reserve Forest	PF – 400m – SE PF – 3.25km – WSW Najul RF – 5.75km – SE
10	Nearest Village	Lawada – 0.80km – WSW
11	Nearest River/ Nalla	Bargur Nalla – 0.40 km – N Seasonal Nalla – 0.30 km – E Wainganga River – 4.50 km – E Wainganga Main Canal – 2.50km – SW Sarathi Nadi – 5.00 km – NNE Pond – 0.50km – SE Atri Nalla – 9.7 5km – NNW
12	Surrounding Features	N- Agricultural land E- Agricultural land followed by Nalla S- Agricultural land followed by forest W- Waste land

Earlier this case was scheduled in 329th SEAC meeting dated 23/10/2018 wherein salient features of the project PFR and the proposed TOR were presented before the committee by the PP and his consultant. After deliberations committee has issued following TORs’ in addition to the standard TORs’ prescribed by the MoEF & CC annexed in annexure-D:

- Expected Odor nuisance in the nearby Villages to be addressed.
- The solid waste generated in the process is claimed to be used as cattle feed; details regarding its quality, use and overall management to be furnished.
- Zero liquid discharge shall be maintained for which necessary details shall be furnished.

PP vide letter dated 09/03/19 has applied for revised ToR, which was forwarded by the SEIAA vide letter no. 354 dated 25/04/19.

The case was presented by the PP and their consultant wherein PP submitted that the proposal is for increase in grain based distillery for fuel ethanol from 10 KLD to 30 KLD along with 500 KW power co- generations and 16 TPD of CO2 generations as by product. PP submitted that due to viability of project above changes are essential. Committee after deliberations recommended the case for revised TOR with standard TORs’ prescribed by the MoEF & CC & TOR recommended in 329th SEAC meeting dated 23/10/2018.

6. Case No. – 6113/2019 Shri Malkan Singh, Haal Mukam, A.M. 111, D.D. Nagar, Dist. Gwalior, MP – 474012 Prior Environment Clearance for Stone Quarry in an area of

2.25 ha. (50,844 cum per annum) (Khasra No. 4174), Village - Parsen, Tehsil - Gwalior, Dist. Gwalior (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 4174), Village - Parsen, Tehsil - Gwalior, Dist. Gwalior (MP) 2.25 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 30 dated: 25/02/2019 has reported that there are 07 more mines operating or proposed within 500 meters around the said mine with total area of 31.96 ha. including this mine.

GENERAL INFORMATION OF QUARRY LEASE

Mine Description	New
Name of the mineral	Dolerite (Gitti)
Location	Khasra No.- 4174, near Village-Parsen, Tehsil-Gwalior, District-Gwalior, State-Madhya Pradesh
Topo Sheet	54J/7
Type of Land	Govt . Waste Land
Lease Area	2.25 Hectare
Lease Period	10 year
Geological Reserve	675000 CuM
Mineable Reserve	450000 CuM
Production Capacity	57000 cum for the first three years and 41610 cum for last 2 years)
Life of Mine	9 Years
Mining Method	Opencast, semi mechanized method with Controlled Blasting and drilling
Manpower	23
Project Cast	30 Lakh

Committee after deliberations decided that being it's a case of stone quarry mine with total area of 31.96 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:-

1. Revised DFO certificate as submitted certificate is signed by SDO.
2. PP should explore the possibility of using SME (site mixed explosives) in blasting.
3. Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA (if any).
4. Level of mechanization should be discussed in the EIA report.
5. Hydro geological study should be carried out if ground water intersection is proposed.
6. Status of all court cases (with summery of all the directions and compliances made) issued by honorable Courts.
7. A list of all the mines located in the 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.
8. 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.
9. 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.
10. Air pollution control measures adopted by each mine and crusher in the cluster.
11. 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.
12. Ambient Air Quality Monitoring on following locations be conducted for one season:-
 - (a) Three monitoring station one each at three nearby villages i.e. Sumerpada, Chandpura & Turakpura.
 - (b) Two monitoring station one each at main evacuation road and cluster area 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.
13. Furnish the name and production of the each mine within 01 kms radius that were in operation during the base line data collection.
 14. Photography and Videography should also be done during collection of baseline data.
 15. Noise Monitoring on following locations be conducted for one season :-
 - (a) Three monitoring station one each at three nearby villages i.e. Sumerpada, Chandpura & Turakpura.
 - (a) Two monitoring station one each at evacuation route and nearby water body.
 - (b) Three monitoring station within the cluster area near installed crushers.
 16. 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.
 17. Provide information regarding mine wise requirement of water, mine wise source of water and total water requirement of entire cluster.
 18. 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.
 19. A drainage plan for entire cluster and surface run off management plan.
 20. 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.
 21. Proposed plantation scheme and If plantation is proposed outside the lease area also, commitment of district administration is also required.
 22. Public consultation be conducted as per EIA Notification, 2006.
 23. 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.
 24. Provide details of court cases/ litigations pending, if any
7. **Case No. – 6140/2019 Shree Sudama Bansal, Tarkeshwari Colony, House of Rahul Pipe Bale, Dist. - Shivpuri, MP – 457001 Prior Environment Clearance for Ochre**

Deposit Mine in an area of 4.00 ha. (21,000 tonne per annum) (Khasra No. 1211/4), Village - Bilokalam, Tehsil - Shivpuri, Dist. Shivpuri (MP).

This is case of Ochre Deposit Mine. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1211/4), Village - Bilokalam, Tehsil - Shivpuri, Dist. Shivpuri (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. 1997 dated: 06/09/18 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. During presentation as per Google image based on coordinates provided by PP it was recorded that the lease is in three parts and following sensitive features were observed within 500 meters of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remark
Pond	50	N-W	Setback of 50 mts from drain & 20 meters from roas shall be left.
Pucca road	30	N	
2-3 houses	30 meters	E	No blasting proposed. Three row plantation.

During presentation it was observed that from the DFO certificate vide letter no 4551 dated 05/10/2018 site is within 10 k.m distance of national park/sanctuary. However CCF vide letter no 651 dated 10/11/2019 clarified that the lease is outside from the notified ESZ of Madhav Udhyan. PP further submitted that no blasting is proposed in this case. PP vide letter dated 01/05/2019 has submitted commitment that setback of 50 meters from pond will be left as non mining area (this area also covers the 30 meters setback from road) The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production of Ochre as per mine plan with quantity not exceeding 21,000 cum/year.
 2. Setback of 50 mts shall be left from pond as non mining area.
 3. Three rows plantation shall be carried out towards habitation side.
 4. A budgetary provision for Environmental management Plan of Rs. 7.07 Lakh as capital and Rs 3.67 Lakh/year and under CSR Rs. 0.80 Lakh/years.
8. **Case No. – 6154/2019 Shri Arunendra Tiwari, Village - Marsarha, Tehsil - Bahri, Dist. Sidhi, MP Prior Environment Clearance for Sand Quarry in an area of 1.750 ha. 15,000 cum per annum (for two years) (Khasra No. 57, 58, 59, 60), Village - Marsarha, Tehsil - Bahri, Dist. Sidhi (MP).**

This is case of Sand Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 57, 58, 59, 60), Village - Marsarha, Tehsil - Bahri, Dist. Sidhi (MP) 1.750 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. 957 dated: 02/02/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. During presentation it was recorded from the DFO certificate vide letter no 1304 dated 27/02/2019 that Son Ghariyal Abhayaran is within 10 k.m distance. However CCF vide letter no 2287 dated 05/04/2019 clarified that the lease is 28 meters away from the notified ESZ of Son Ghariyal Abhayaran. PP stated that this is khodu bharu mine and this lease was obtained under temporary permit (TP) for two years period, method of mining will be open cast semi mechanized. During presentation as per Google image based on coordinates provided by PP it was recorded that the lease is in three parts and following sensitive features were observed within 500 meters of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remark
Habitation	>160	Southern side.	Three rows plantation towards habitation side.
Trees (25-30 in nos.)	Within lease		No tree falling shall be done without permission.
Natural drain	>150	Southern side.	NIL

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

1. Production of Sand as per mine plan with quantity not exceeding 15,000 cum/year.
2. A budgetary provision for Environmental management Plan of Rs. 7.72 Lakh as capital and Rs 1.31 Lakh/year and under CSR Rs. 1.14 Lakh/years.

9. **Case No. – 6148/2019 M/s Sindurkiya Crusher Stone Deposit Two, Village - Bamankhedhi, Tehsil - Jaora, Dist. Ratlam, MP Prior Environment Clearance for Crusher Stone Quarry in an area of 2.00 ha. (19,400 cum per annum) (Khasra No. 355), Village - Sindurkiya, 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. 355), Village - Sindurkiya, Tehsil - Jaora, Dist. Ratlam (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. 1976 dated: 21/01/19 has reported that there are 02 more mines operating or proposed within 500 meters around the said mine with total area of 6.450 ha., including this mine.

Committee after deliberations decided that being it's a case of stone quarry mine with total area of 6.450 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:-

1. PP should explore the possibility of using SME (site mixed explosives) in blasting.
2. Detailed study of ground vibration and fly rocks shall be done.
3. Level of mechanization should be discussed in the EIA report.

4. Inventory of all existing trees and if any tree is to be uprooted, then it should be clearly addressed in EIA (if any).

10. Case No. – 6107/2019 M/s Manu Mehrotra, Shri Manu Mehrotra, Ward No. 01, Barhi, Tehsil - Barhi, Dist. Katni, MP Prior Environment Clearance for Stone Quarry in an area of 1.840 ha. (49,110 cum per annum) (Khasra No. 311/1, 311/2), Village - Banka, Tehsil - Chandiya, Dist. Umariya.

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 311/1, 311/2), Village - Banka, Tehsil - Chandiya, Dist. Umariya (M.P.) 1.840 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. 1644 dated: 07/09/18 has reported that there is 01 more mine operating or proposed within 500 meters around the said mine with total area of 3.840 including this mine.

The case was scheduled for presentation in 362nd SEAC meeting dated 15/04/2019 but, the Project Proponent (PP) nor was his authorized representative 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 to present their case and even if PP remains absent the case shall be returned to SEIAA assuming that PP is not interested to continue with the project.

The case was presented by the PP and their consultant wherein as per Google image based on coordinates provided by PP, following sensitive features were observed within 500 meters of the lease area:

Sr. No	Sensitive Feature	Approximate aerial distance from the lease area in meters	Direction	Remarks.
1.	Pucca road	>50	South side.	
2.	Pucca road	>160	North side.	

During presentation it was recorded that as per the DFO certificate provided by the PP vide letter no 1659 dated 09/05/2018 that lease is 1.288 km. away from the buffer zone of

Bandhavgarh Tiger Reserve. However in the Map attached with the DFO certificate signed by Deputy Director, Bandhavgarh Tiger Reserve it is depicted that the lease is 1.288 km. away from the buffer zone of Bandhavgarh Tiger Reserve. After presentation the committee asked to submit following details:

- Committeemen from the PP that no crusher is installed within lease boundary
- Revised plantation @ 220 plants /year.
- Revised EMP by adding cost of PPEs, wire fencing as suggested during presentation.

PP has submitted the response of above quarries same date vide letter dated 01.05.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Stone 49,110 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 6.17 Lakh as capital and Rs1.67 Lakh/year and under CSR Rs. 1.50 Lakh/years has proposed.

11. Case No. – 6109/2019 M/s Sukhda Minerals, Shri Sandeep Kumar Tiwari, Director, Sawarkar Ward, Dist. Katni, MP Prior Environment Clearance for Stone Quarry in an area of 1.791 ha. (52611 cum per annum) (Khasra No. 307/1/1/2, 307/1/2, 307/1/3), Village - Banka, Tehsil - Chandiya, Dist. Umariya (MP).

This is case of Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site (Khasra No. 307/1/1/2, 307/1/2, 307/1/3), Village - Banka, Tehsil - Chandiya, Dist. Umariya (MP) 1.791 Ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, DSR report, information in the lease's within 500 meters radius around the site and other requisite information in the prescribed format duly verified in the Tehsildar Office ((Ekal Praman-Patr) letter No. 327 dated: 06/10/2017 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

Neither the Project Proponent (PP) nor his authorized 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 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.

12. **Case No. 6157 Shri Chandrapal Singh Tomar, S/o Shri Raghuveer Singh Tomar, 38, Harsh Nagar, Thatipur, Dist. Gwalior, MP – 474001 Prior Environment Clearance for Crusher Stone Quarry in an area of 2.00 ha. (10,830 cum per annum) (Khasra No. 1029/2), Village - Bajranggarh, Tehsil - Guna, Dist. Guna (MP).**

This is case of Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 1029/2), Village - Bajranggarh, Tehsil - Guna, Dist. Guna (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. 5213 dated: 12/3/19 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 3.50 ha., including this mine.

As per Google image based on coordinates provided by PP it was recorded that the slope of the lease is towards south and for this committee recommends one additional settling tank are to be proposed by the PP. After presentation the committee asked to submit following details:

- Copies of all the approved Maps are to be submitted by the PP.
- Revised Green belt as suggested by committee.

PP has submitted the response of above quarries same date vide letter dated 01.05.2019, which was placed before the committee and the same found satisfactory. The EMP and other submissions made by the PP were found to be satisfactory and acceptable, hence committee after deliberation found that The EMS and other submissions made by the PP were found to be satisfactory and acceptable, hence committee decided to recommend the case for grant of prior EC subject to the following special conditions in addition to the standard conditions at annexure 'A':

1. Production shall be as per mine plan with quantity not exceeding for Crusher Stone 10,830 cum/annum.
2. A budgetary provision for Environmental management Plan of Rs. 15.74 Lakh as capital and Rs1.28 Lakh/year and under CSR Rs. 1.00 Lakh/years has proposed.

13. Case No. – 6142/2019 Shri Paramal Adiwasi, R/o Village - Pawaiya, Tehsil - Amanganj, Dist. Panna, MP Prior Environment Clearance for Crusher Stone Quarry in an area of 3.00 ha. (25,000 cum per annum) (Khasra No. 708 Parts), Village - Pawaiya, Tehsil - Amanganj, Dist. Panna (MP).

This is case of Crusher Stone Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 708 Parts), Village - Pawaiya, Tehsil - Amanganj, Dist. Panna (MP) 3.00 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. 530 dated: 08/03/19 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

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

Sr. No	Sensitive Feature	Approximate aerial distance from the lease area in meters	Direction	Remarks.
1.	Kaccha road	>80	Eastern side.	

After presentation the committee asked to submit following details:

- Copies of all the approved Maps are to be submitted by the PP.
- Revised EMP by adding cost of PPEs, enhanced budgetary provisions for road and eliminates VT.

14. Case No. – 6143/2019 Shri Akash Mishra, R/o Berasia, Tehsil & Dist. Bhopal, MP – 463106 Prior Environment Clearance for Sand Deposit Quarry in an area of 1.790 ha. (38,722 cum per annum) (Khasra No. 19), Village - Bhanpur, Tehsil - Ajaygarh, Dist. Panna (MP)

This is case of Sand Deposit Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 19), Village - Bhanpur, Tehsil - Ajaygarh, Dist. Panna (MP) 1.790 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, 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 vide letter no. 588 dated: 28/03/2019 has reported that there are 01 more mines operating or proposed within 500 meters around the said mine with total area of 3.04 ha., including this mine.

The case was presented by the PP and their consultant. PP stated that this is khodu bharu mine and this lease was obtained under temporary permit (TP) for two years period, method of mining will be open cast semi mechanized. During presentation as per Google image based on coordinates provided by PP it was recorded that the lease is in three parts and following sensitive features were observed within 500 meters of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remark
Trees	Within lease		No tree falling shall be done without permission.

During appraisal of the case, it was observed by the committee that some trees are in existence in the lease area. PP submitted that they will not uproot these trees during course of mining. After presentation the committee asked to submit following details:

- Agreement of land owner.
- PP shall be submitted photographs of the lease showing existing trees.
- Committeemen that no tree falling without permission from the competent authority.
- Revised CER adding water filter as suggested during presentation.

15. Case No. – 6144/2019 Shri Rakesh Yadav, Village - Bhanpur, Tehsil - Ajaygarh, Dist. Panna, MP Prior Environment Clearance for Sand Deposit Quarry in an area of 1.350 ha. (18,121 cum per annum) (Khasra No. 203/1, 203/2, 215/1, 215/2, 218/1, 218/2), Village - Bhanpur, Tehsil - Ajaygarh, Dist. Panna (MP).

This is case of Sand Deposit Quarry. The application was forwarded by SEIAA to SEAC for appraisal. The proposed site at (Khasra No. 203/1, 203/2, 215/1, 215/2, 218/1, 218/2), Village - Bhanpur, Tehsil - Ajaygarh, Dist. Panna (MP) 1.350 ha. The project requires prior EC before commencement of any activity at site.

PP has submitted a copy of approved Mining Plan, 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 vide letter no. 1865 dated: 02/03/2019 has reported that there are no more mines operating or proposed within 500 meters around the said mine.

The case was presented by the PP and their consultant. PP stated that this is khodu bharu mine and this lease was obtained under temporary permit (TP) for two years period, method of mining will be open cast semi mechanized. During presentation as per Google image based on coordinates provided by PP it was recorded that the lease is in three parts and following sensitive features were observed within 500 meters of the lease area:

Sensitive Features	Approximate aerial distance from the lease area in meters	Direction	Remark
PKaccha road	>10	Southern side.	
Trees (2 in nos.)	Within lease		No tree falling shall be done without permission.

ring appraisal of the case, it was observed by the committee that 02 trees are in existence in the lease area. PP submitted that they will not uproot these trees during course of mining. After presentation the committee asked to submit following details:

- Agreement of land owner.
- PP shall be submitted photographs of the lease showing existing trees.
- Committeemen that no tree falling without permission from the competent authority.
- Revised evacuation route marked on Google map with its distance.
- Revised EMP cost including road cost.

(Dr. Mohd. Akram Khan)
Member

(Dr. A.K. Sharma)
Member

(Dr. Jai Prakash Shukla)
Member

(Dr. R. Maheshwari)
Member

(Prashant Shrivastava)
Member

(Mohd. Kasam Khan)
Chairman

Following standard conditions shall be applicable for the mining projects of minor mineral in addition to the specific conditions:

Annexure- 'A'

Standard conditions applicable to Stone/Murrum and Soil quarries:

1. 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.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA
4. Transportation of material shall be done in covered vehicles.
5. Necessary consents shall be obtained from MPPCB and the air/water pollution control measures have to be installed as per the recommendation of MPPCB.
6. Curtaining of site shall be done using appropriate media.
7. The proposed plantation should be carried out along with the mining @45 trees per hectare and PP would maintain the plants for five years including casualty replacement.
8. Transportation shall not be carried out through forest area.
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.
10. PP will take adequate precautions so as not to cause any damage to the flora and fauna during mining operations.
11. PP should maintain a log book wherein daily details of water sprinkling and vehicle movement are recorded.
12. NOC of gram panchayat should be obtained for the water requirement.
13. PP should also maintain a log book containing annual details of tree plantation and causality replacement.
14. 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.
15. Mining should be done as per the submitted land use plan submitted by PP.

Annexure- 'B'

Standard conditions applicable for the sand Mine Quarries*

1. The amount towards reclamation of the 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.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
4. Plantation shall be carried out on the banks for stabilization of the banks.
5. The mining activity shall be done manually.
6. 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 trollies (tractor trollies) and not by heavy vehicles. Only registered tractor trollies 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.
7. NOC of gram panchayat should be obtained for the water requirement.
8. Transport vehicles will be covered with tarpoline to minimize dust/sand particle emissions.

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 depth of mining shall be restricted to 3m or water level, whichever is less.
12. No in-stream mining shall be allowed.
13. The mining shall be carried out strictly as per the approved mining plan and ensure 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.
14. Established water conveyance channels should not be relocated, straightened, or modified.
15. 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.
16. After mining is complete, the edge of the pit should be graded to a 2.5:1 slope in the direction of the flow.
17. PP shall take Socio-economic activities in the region through the 'Gram Panchayat'.
18. EC will be valid for mine lease period subject to a ceiling of 5 years.
19. Mining should be done as per the submitted land use plan submitted by PP.

Annexure- 'C'

Standard conditions applicable for the Khodu Bharu sand Mine Quarries*

1. Mining should be done only to the extent of reclaiming the agricultural land.
2. The lease boundary should be clearly demarcated at site with the given co-ordinates by pillars.
3. Only deposited sand is to be removed and no mining/digging below the ground level is allowed.
4. The amount towards reclamation of the 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.
5. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
6. Heavy vehicles shall not be allowed for removal of sand.
7. The sand shall be transported by small trolleys up to the main transport vehicle.
8. Transport vehicles will be covered with tarpauline to minimize dust/sand particle emissions.
9. No Mining shall be carried out during Monsoon season.
10. PP shall take Socio-economic activity in the region through the 'Gram Panchayat'.
11. NOC of gram panchayat should be obtained for the water requirement.
12. EC will be valid for mine lease period/mine plan subject to a ceiling of 5 years.
13. The mining shall be carried out strictly as per the approved mining 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. 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.
3. An inventory of flora & fauna based on actual ground survey shall be presented.
4. Risk factors with their management plan should be discussed in the EIA report.
5. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.

6. The EIA document shall be printed on both sides, as far as possible.
7. All documents should be properly indexed, page numbered.
8. Period/date of data collection should be clearly indicated.
9. The letter /application for EC should quote the SEIAA case No./year and also attach a copy of the letter prescribing the TOR.
10. 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.
11. 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.
12. Grant of TOR does not mean grant of EC.
13. 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.
14. 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.
15. 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.
16. All the necessary NOC's duly verified by the competent authority should be annexed.
17. PP has to submit the copy of earlier Consent condition /EC compliance report, whatever applicable along with EIA report.
18. 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.
19. A time bound action plan should be provided in the EIA report for fulfillment of the EMP commitments mentioned in the EIA report.
20. 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.
21. 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.
22. The EIA report should be prepared by the accredited consultant having no conflict of interest with any committee processing the case.
23. Public Hearing has to be carried out as per the provisions of the EIA Notification, 2006.

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.

24. Detailed analysis by a National Institute of repute of all aspects of the health of the residents of the Schedule Tribal block.
25. Detailed analysis of availability and quality of the drinking water resources available in the block.

26. 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.
27. The consent of Gram Sabha of the villages in the area where project is proposed shall be obtained.