

MINUTES OF THE 283rd MEETING OF THE STATE LEVEL EXPERT APPRAISAL COMMITTEE HELD ON 09/03/2016 AT COMMITTEE ROOM, GUJARAT POLLUTION CONTROL BOARD, GANDHINAGAR.

The 283rd meeting of the State Level Expert Appraisal Committee (SEAC) was held on 09th March 2016 at Committee Room, Gujarat Pollution Control Board, Gandhinagar. Following members attended the meeting:

1. Shri T.P. Singh, Chairman, SEAC.
2. Shri V.C.Soni, Vice Chairman, SEAC
3. Dr. V.K. Jain, Member, SEAC
4. Shri V. N. Patel, Member, SEAC
5. Shri R.J. Shah, Member, SEAC

Following officers from the Geology and Mining Department attended the meeting:

1. Shri D.M. Patel, I/C Geologist, Dist: Chotaudepur
2. Shri R.M. Ghadvi, Asst. Geologist, Dist: Patan
3. Shri H.P. Sondara, Revenue Inspector, Dist: Banaskantha
4. Shri Mehul Dave, Asst. Geologist, Dist: Panchmahal
5. Shri R.R. Bukhari, Revenue Inspector, Dist: Tapi
6. Shri P.J. Bhavsar, Geologist, Dist: Vadodara.
7. Shri M.D. Chaudhry, Geological Assistant, Dist: Kutch
8. Shri A.B. Ojha, Asst. Geologist, Dist: Ahmedabad, Gandhinagar

Sr.No.	District	sand	silica sand	ordinary clay	Black nTrap	white clay	bentonite	Red Ocher	Ball clay	total
1	Ahmedabad	1	0	0	0	0	0	0	0	1
2	Bharuch	0	1	0	0	0	0	0	0	1
3	Banaskantha	2	0	0	0	0	0	0	0	2
4	Chotaudepur	12	0	0	0	0	0	0	0	12
5	Gandhinagar	0	0	1	0	0	0	0	0	1
6	Kutch	3	0	0	3	9	1	0	0	16
7	Panchmahal	2	0	0	1	0	0	0	0	3
8	Patan	1	5	0	0	1	0	1	1	9
9	Surat	1	0	2	0	0	0	0	0	3
10	Tapi	1	0	0	0	0	0	0	0	1
11	Vadodara	7	0	0	0	0	0	0	0	7
	Total	30	6	3	4	10	1	1	1	56

All 56 proposals of minor minerals which have been received by the Committee through the district office of the Geology and Mining were taken up in the meeting. Considering the scale of individual project, all the proposals were categorized as B2 and appraised

individually based on the information furnished in the Form-1,PFR and performa endorsed by the district Geologist / Asst. Geologists

SAND MINING PROJECT, DIST: AHMEDABAD

Sr. no.	Proposal No.	Project Name	S NO	Vill, Taluka	Hectare	Name of River	Rate of mining	Nearest Habitation	Proposed use
1	SIA/GJ/MIN/38357/2016	Assistant Geologist Ahmedabad (Visalpur) Block No.4	765 ne lagu	Vill:Visalpur Ta:Dasroi	5-42-26 Existing	Sabarmati	1,46,952 MTPA	Visalpur: 1.55 km	Construction

Shri A.B.Ojha, Asst.Geologist, District:Ahmedabad informed that proposed lease is located in Sabarmati river bed. He informed committee that sand excavation will be done only from dry river bed. It was also represented that no any bridge piers / water intake wells / irrigation structures exist within 500 m distance from boundary of any of above lease area. He explained that sand excavation will be done up to maximum 3 m depth or water level, whichever is less. The committee observed that the lease holder has proposed to leave adequate setback distance from the river bank so as to avoid chances of river bank erosion. Water sprinkling will be done during loading of material. All the transportation vehicles are proposed to be covered to avoid fugitive emission of fine particles. Shri A.B Ojha informed that there is no instream mining and sand mining will be done from dry river bed only.

After detailed deliberation and considering the mitigation measures proposed by the lease holders, Committee unanimously decided to recommend the above proposal for grant of environmental clearance to SEIAA with stipulation of standard conditions for Sand mining as approved in 232nd SEAC meeting held on 15th April 2015.

SILICA SAND MINING,DIST:BHARUCH

Sr. no.	Proposal No.	Project Name	S NO	Vill,Taluka	Hectare	Rate of mining	Nearest Habitation	Proposed use
1	SIA/GJ/MIN/4609/2015	New India Minerals Industries	168 P	Amod/ Jhagadiya	20-00-00 Existing	57516 MTPA	Jhagadia:11 km	Glass industry

Assistant Geologist, District: Bharuch and Project proponent remained absent to represent above proposal before the committee. It was also noticed by the committee that hard copy of the above proposal could not be submitted by the Asst. Geologist./Project proponent. Hence, it was decided by the committee to defer the above proposal for further consideration in one of the upcoming SEAC meeting.

SAND MINING PROJECT,DIST;BANASKANTHA

Sr. no.	Proposal No.	Project Name	S NO	Vill,Taluka	Hectare	Rate of mining	Nearest Habitation	Proposed use
1	SIA/GJ/MIN/36351/2015	Vinaysinh B. Rathod	Banas nadi lagu	Shihori/Kankrej	07-50-00	7500 MT/M	Shihori 2.9 km	Construction
2	SIA/GJ/MIN/34952/2015	Sand Mine of Amarshinhbhai Dharmubha Vaghela	Banas nadi lagu	Kasalpura, /Kankrej	09-90-00 Existing	8000 MT/M	Kasalpura 1.09 km	Construction

For the proposal No: SIA/GJ/MIN/36351/2015, Shri U.K.Singh,Assistant Geologist, District: Banaskantha submitted a letter dated 08/03/2016 through H.P.Sandera,R.I.,Dist: Banaskantha mentioning that proposed lease is cancelled by Collector, Dist:Banaskantha on 22/12/2015 and hence informed committee to close EC application of the proposal No: SIA/GJ/MIN/36351/2015. After referring to the letter, committee unanimously decided to close the proposal No: SIA/GJ/MIN/36351/2015 and decided to delist the proposal from pending EC application list of SEAC.

For the proposal No: SIA/GJ/MIN/34952/2015, Shri U.K.Singh,Assistant Geologist, submitted a letter dated 08/03/2016 through H.P.Sandera,R.I.,Dist: Banaskantha mentioning that proposal No: SIA/GJ/MIN/34952/2015 falls in a cluster. Referring to the letter, committee asked asst. geologist to submit details regarding number of leases included in a cluster, EC applications/status of each of lease included in cluster so as to evaluate overall environmental impact of sand mining activity.Upon submission of the said details, committee unanimously decided to take up the proposal No: SIA/GJ/MIN/34952/2015 along with EC applications of other proposals in a cluster for appraisal in one of the upcoming SEAC meeting.

SAND MINING PROJECT,DIST:CHHOTAUDEPUR

Sr. no.	Proposal No.	Project Name	S NO	Vill, Taluka	Hectare	Rate of mining	Name of River	Nearest Habitation	Proposed use
1	SIA/GJ/MIN/33123/2015	Pravin Sakharam Patel	836 & 869	Bahadpur/Sankheda	06-55-00 Existing	80000 MT/Year	Orsang river	Bahadpur 0.505 km	Construction
2	SIA/GJ/MIN/34099/2015	Maheshbhai Naranbhai Oad	1 to 4	Aritha, Sankheda	07-46-60 Existing	314000 MTPA	Orsang river	Aritha 1km	Construction
3	SIA/GJ/MIN/34090/2015	Revaben Bhikhubhai Koli	14P & 14 ne lagu	Modasar/Sankheda	10-00-00 Existing	52000 MT/M	Orsang	Modasar 1.0 km	Construction
4	SIA/GJ/MIN/34352/2015	Somaji Naraji Vanzara	284 A Paiki	Jabugam/Sankheda	10-00-00 Existing	52000 MT/M	Orsang	Jabugam 2.5 km	Construction

5	SIA/GJ/MIN/34422/2015	Vitthalbhai Mohanbhai Koli	361,362 and 359 paiki	Modasar/Sankheda	8-91-33 Existing	45000 Mt/M	Orsang	Modasar 0.7 km	Construction
6	SIA/GJ/MIN/35221/2015	Nimesh Vallabhbbhai Patel	3A	Pipalsat/Sankheda	6-20-00 Existing	33000 MT/M	Orsang	Pipalsat 0.67 km	Construction
7	SIA/GJ/MIN/34096/2015	Maheshbhai Naranbhai Oad	1 to 4 orsand nadi pat	Aritha/Sankheda	07-46-60 Existing	314000 MTPA	Orsang	Aritha 1km	Construction
8	SIA/GJ/MIN/35552/2015	Satya Minerals	Opp. to 449	Pipalsat/Sankheda	05-74-71 Existing	6822 MT/M	Orsang	Pipalsat 0.68 km	Construction
9	SIA/GJ/MIN/38019/2016	Revaben Bhikhubhai Koli	11/1,31/1,46 orsand nadi pat	Pipalsat/Sankheda	10-00-00 Existing	52000 MT/M	Orsang	Pipalsat 0.63 km	Construction
10	SIA/GJ/MIN/37030/2015	Maniben Somabhai Patel	41 ne lagu	Jetpur/Jetpur pavi	06-84-35 New	37000 MT/M	Orsang	Jetpur 0.7 km	Construction
11	SIA/GJ/MIN/38669/2016	Iqbalhussain N Sindhi	93/1,95/1,96/1/2/3, 97/1	Vanta/Jetpur	07-30-00 Existing	80000 MT/Year	Orsang	Vanta 0.67 km	Construction
12	SIA/GJ/MIN/35660/2015	Sanjaybhai Buddhisagarbhai Solanki	23,24,25 ne lagu	Kadila/Sankheda	06-63-68 Existing	40000 Mt/M	Orsang	Kadila 1.00 km	Construction

Shri D.M.Patel, Incharge Geologist, Dist: Chotaudepur informed committee that hard copies of proposal Nos: SIA/GJ/MIN/33123/2015 and SIA/GJ/MIN/35660/2015 could not be submitted. Hence it was decided by the committee to defer these proposals for further consideration in one of the upcoming SEAC meeting.

Shri D.M.Patel, I/C Geologist, Dist:Chotaudepur mentioned that proposal Nos: SIA/GJ/MIN/34099/2015 and SIA/GJ/MIN/34096/2015 are identical. He further informed that proposal Nos: SIA/GJ/MIN/34090/2015 and SIA/GJ/MIN/38019/2015 are also identical and applicant has made EC application twice for the individual lease area.

For proposal No: SIA/GJ/MIN/34352/2015, Geologist, Dist: Chotaudepur mentioned that applicant is died and heredity deed is not done. Therefore he requested committee to close the said proposal as he is submitting request letter of withdrawal of EC application. He further informed that after submission of heredity deed and upon submission of fresh application by the applicant, he shall inform the committee. After deliberation committee decided to close the proposal No: SIA/GJ/MIN/34352/2015 and unanimously decided to delist the proposal.

For the proposal Nos: SIA/GJ/MIN/34099/2015, SIA/GJ/MIN/34090/2015, SIA/GJ/MIN/34422/2015, SIA/GJ/MIN/35221/2015, SIA/GJ/MIN/35552/2015, SIA/GJ/MIN/37030/2015, SIA/GJ/MIN/38669/2015, Shri D.M.Patel, Geologist,

District:Chotaudepur informed that proposals are located in Orsang river bed and sand excavation will be done only from dry river bed. It was also represented that no any bridge piers / water intake wells / irrigation structures exist within 500 m distance from boundary of any of above lease areas. He explained that sand excavation will be done up to maximum 3 m depth or water level, whichever is less. The committee observed that the lease holders have proposed to leave adequate setback distance from the river bank so as to avoid chances of river bank erosion. Water sprinkling will be done during loading of material. All the transportation vehicles are proposed to be covered to avoid fugitive emission of fine particles. Geologist informed committee that there is no instream mining and sand mining will be done from dry river bed only.

After detailed deliberation and considering the mitigation measures proposed by the lease holders, Committee unanimously decided to recommend the proposal Nos: SIA/GJ/MIN/34099/2015, SIA/GJ/MIN/34090/2015, SIA/GJ/MIN/34422/2015, SIA/GJ/MIN/35221/2015, SIA/GJ/MIN/35552/2015, SIA/GJ/MIN/37030/2015, SIA/GJ/MIN/38669/2015 for grant of environmental clearance to SEIAA with stipulation of standard conditions for Sand mining as approved in 232nd SEAC meeting held on 15th April 2015.

ORDINARY CLAY MINING PROJECT,DIST:GANDHINAGAR

Sr. no.	Proposal No.	Project Name	S NO	Vill, Taluka	Hectare	Rate of mining	Name of River	Nearest Habitation	Proposed use
1	SIA/GJ/MIN/35448/2015	(1)Backbone Enterprises Limited (2) Jitendrakumar Nanubhai Patel (3) Amratbhai Mafatbhai Rabari (4) Manoj Vajubhai Desai (5) Gopiji Mulaji Vanzara	Sabarmati nadi pat opp to S Nos:2,5,13,16,18, Govt.Land	Firojpur / Gandhinagar	08-00-00 New (Permit)	100,000 MTPA	Sabarmati	Firojpur 3.1 km,	For Landfill in GIFT City

Shri A.B.Ojha, Asst.Geologist, District: Gandhinagar informed that proposed lease is located in Sabarmati river bed. He informed committee that clay excavation will be done only from dry river bed. It was also represented that no any bridge piers / water intake wells / irrigation structures exist within 500 m distance from boundary of any of above lease area. He explained that sand excavation will be done up to maximum 2 m depth or water level, whichever is less. The committee observed that the lease holder has proposed to leave adequate setback distance from the river bank so as to avoid chances of river bank erosion. Water sprinkling will be done during loading of material. All the transportation vehicles are proposed to be covered to avoid fugitive

emission of fine particles. Shri A.B Ojha informed that there is no instream mining and ordinary clay mining will be done from dry river bed only.

After detailed deliberation and considering the mitigation measures proposed by the lease holder, Committee unanimously decided to recommend the above proposal for grant of environmental clearance to SEIAA with stipulation of standard conditions for Sand mining as approved in 232nd SEAC meeting held on 15th April 2015.

BLACK TRAP MINING PROJECT, DIST: KUTCH

Sr. no.	Proposal No.	Project Name	S NO	Vill,Talu ka	Hectare	Rate of mining	Nearest Habitation	Proposed use
1	SIA/GJ/MIN/34067/2015	chhaganlal ravji solanki	892	Sai/Rapar	8-00-00 Existing	8000 MT/M	Sai 3 km	Construction
2	SIA/GJ/MIN/34524/2015	MKC Infrastructure Ltd.	9 Travers Paiki	Pranpar/Lakhpat	6-94-64 New	65000 MT/One Time (Permit)	Fulra 4.20 km	Construction
3	SIA/GJ/MIN/34837/2015	M.G.Bhavnani	182, Govt Land	Moti Nagalpar/Anjar	05-40-00 New	4000 Mt/M	Nagalpar 1.2 km	Construction

Shri M.D.Chaudhry, Geological Assistant, Dist: Kutch informed committee that hard copies of proposal Nos: SIA/GJ/MIN/34067/2015 and SIA/GJ/MIN/34837/2015 could not be submitted. Hence it was decided by the committee to defer these proposals for further consideration in one of the upcoming SEAC meeting.

For proposal No: SIA/GJ/MIN/34524/2015, Shri M.D.Chaudhry, Geological Assistant, Dist: Kutch informed the committee that the above proposal is a permit of MKC infrastructure Ltd. for one time mining of Blacktrap for their work order of construction of Indo-Pak border road of NBCC. Method of basalt removal involves drilling, blasting, sizing of mineral, etc. The trunkline of the detonating cord will be covered with sand to reduce air over pressure to reduce noise during blasting. Top soil will be stacked separately for green belt development whereas overburden will be removed, stacked and refilled in mined out pits. The proposal does not involve intersection of ground water table. No wastewater generation is envisaged from mining activities. Domestic wastewater will be disposed off through septic tank– soak pit. Arrangement will be made to prevent contamination of surface runoff. Proposed air pollution control measures include use of only controlled blasting, water sprinkling on haul roads, tree plantation in periphery and road sides, etc. About 400 Nos. of saplings of Limda, Vad & Pipri etc. suitable for the area are proposed to be planted for the development of green belt. It is proposed to convert mined out pits into water reservoirs.

After discussion and detailed scrutiny of the proposal, considering the mitigation measures proposed by the lease holder, committee unanimously decided to recommend the proposal No: SIA/GJ/MIN/34524/2015 for grant of environmental

clearance to SEIAA with stipulation of standard conditions for Non Sand mining as approved in 232nd SEAC meeting held on 15th April 2015

SAND MINING PROJECT, DIST:KUTCH

Sr . no .	Proposal No.	Project Name	S NO	Vill,Taluka	Hectare	Name of river	Rate of mining	Nearest Habitati on	Proposed use
1	SIA/GJ/ MIN/ 34784/ 2015	Arvindsinh Jethubha Jadeja	R.SNO:625/ 2,627,629	Faradi/ Mandvi	9-90-00 Existing	Revenue S NO: .SNO:6 25/2,62 7,629	2000 MT/M	Faradi : 2.91 km	Constructi on
2	SIA/GJ /MIN/ 36794/ 2015	kesavji manji sorathiya	468	Luni/ Bhuj	05-07-84 Existing		5000 MT/M	Luni 2 km	Constructi on

Shri M.D.Chaudhry, Geological Assistant,Dist: Kutch informed committee that hard copy of proposal No: SIA/GJ/MIN/36794/2015 could not be submitted. Hence it was decided by the committee to defer this proposal for further consideration in one of the upcoming SEAC meeting.

For proposal No: SIA/GJ/MIN/34784/2015, Shri M.D.Chaudhry, Geological Assistant, Dist: Kutch informed committee that proposed lease area is located in revenue survey numbers 625/2,627 and 629. He further informed committee that sand excavation will be done only from dry river bed. It was also represented that no any bridge piers / water intake wells / irrigation structures exist within 500 m distance from boundary of any of above lease area. He explained that sand excavation will be done up to maximum 3 m depth or water level, whichever is less. The committee observed that the lease holder has proposed to leave adequate setback distance from the river bank so as to avoid chances of river bank erosion. Water sprinkling will be done during loading of material. All the transportation vehicles are proposed to be covered to avoid fugitive emission of fine particles.

After detailed deliberation and considering the mitigation measures proposed by the lease holder, Committee unanimously decided to recommend proposal No: SIA/GJ/MIN/34784/2015 for grant of environmental clearance to SEIAA with stipulation of standard conditions for Sand mining as approved in 232nd SEAC meeting held on 15th April 2015.

ORDINARY SAND MINING PROJECT,DIST: KUTCH

Sr.	Proposal No.	Project Name	S NO	Vill,Taluka	Hectare	Rate of	Nearest	Proposed use
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no.						mining	Habitation	
1	SIA/GJ/MIN/ 37811/2016	Haresh Construction Company	713/77 P	Moti Bhujpar/ Mundra	6-00- 00 Permit	50,000 MT per one time	Pratappar: 0.85 km, Kutch wild life: 20 km	For port Construction

Shri M.D.Chaudhry, Geological Assistant, Dist: Kutch informed committee that proposed lease area is for ordinary sand excavation permit for port construction. It was informed that no any bridge piers / water intake wells / irrigation structures exist within 500 m distance from boundary of above lease area. He explained that sand excavation will be done up to maximum 20 m depth or water level, whichever is less. Water sprinkling will be done during loading of material. All the transportation vehicles are proposed to be covered to avoid fugitive emission of fine particles. Excavated pit will be reclaimed as water reservoir.

After detailed deliberation and considering the mitigation measures proposed by the lease holder, Committee unanimously decided to recommend proposal No: SIA/GJ/MIN/37811/2015 for grant of environmental clearance to SEIAA with stipulation of standard conditions for Sand mining as approved in 232nd SEAC meeting held on 15th April 2015.

WHITE CLAY MINING PROJECT: DIST:KUTCH

Sr . no .	Proposal No.	Project Name	S NO	Vill,Taluka	Hectare	Rate of mining	Nearest Habitation, Sancriuary	Proposed use
1	SIA/GJ/MIN /35600/2015	Bhavana Minerals	279 P, Govt Land	Modasar/ Anjar	05.40.00 Existing	2500 MT/M	Modasar 3.13 km	Ceramic industry
2	SIA/GJ/MIN /36100/2015	Jitendra Shankarlal Jobanputra (Movana)	889 P	Movana/ Rapar	13.00.00 Existing	80,000 MT/M	Movana 0.78 km	Ceramic industry
3	SIA/GJ/MIN /36416/2015	Jitendrakumar Shankarlal Jobanputra	414 P, Govt.la nd	Mevasa/ Rapar	09-32-00 Existing	8590 MT/M	Mavasa 2.88 km, Wild ass sanctuary: 10.50 km	Ceramic industry
4	SIA/GJ/MIN /36739/2015	SatishbhaSi Valjibhai Chhanga (White clay /Silica Sand)	483 P, Govt. land	Mamuara/B huj	11-30-09 Existing	5000 MT/M	Mamuara 1.01 km, Kutch wildlife sanctuary: 12 km	Ceramic industry
5	SIA/GJ/MIN /37815/2016	ASIFRAYM A Haresh Construction	483 P	Mamuara/B huj	10-00-00 Existing	5000 MT/M	Mamuara 0.33 km	Ceramic industry

Shri M.D.Chaudhry, Geological Assistant, Dist: Kutch informed committee that hard copies of proposal Nos: SIA/GJ/MIN/35600/2015 and SIA/GJ/MIN/37815/2015 could not be submitted. Hence it was decided by the committee to defer this proposal for further consideration in one of the upcoming SEAC meeting.

For the proposal Nos: SIA/GJ/MIN/36100/2015, SIA/GJ/MIN/36416/2015 and SIA/GJ/MIN/36739/2015, Shri M D Chaudhry informed that there will be open cast mining. No explosives and detonators are required for the mining. The overburden of soil removed during mining will be stacked in area allotted for dumping and will be refilled in the pits. Surface runoff and garland drains water will be used for the rain water harvesting. Loaded vehicles used for transportation will be covered tarpaulin to curb fugitive emission. Entry/exit slope will be made adequate and protected with stone indicators on site and the road connecting to site. Water sprinkling will be carried out regularly to curb fugitive emission during mining activities. Excavated pit will be refilled and remaining part will be used as water reservoir for rain water harvesting. Fencing will be provided surrounding to pit to prevent accident. There will be no intersection of water table.

During meeting, committee noticed that proposal No: SIA/GJ/MIN/36100/2015 appears very near to the wild ass sanctuary and hence asked geological assistant to submit no objection certificate of forest department for carrying out mining activity at the said location mentioned in proposal no: SIA/GJ/MIN/36100/2015. Upon submission of the said details, committee unanimously decided to consider the said proposal in one of the upcoming SEAC meeting for appraisal.

After detailed deliberation and considering the mitigation measures proposed by the lease holders, Committee unanimously decided to recommend proposal Nos: SIA/GJ/MIN/36416/2015 and SIA/GJ/MIN/36739/2015 for grant of environmental clearance to SEIAA with stipulation of standard conditions for Sand mining as approved in 232nd SEAC meeting held on 15th April 2015.

BENTONITE MINING PROJECT, DIST: KUTCH

Sr no	Proposal No.	Project Name	S NO	Vill, Taluka	Hectare	Rate of mining	Nearest Habitation	Proposed use
1	SIA/GJ/MIN/38776/2016	SHIV ENTERPRISE (Govindbhai ShivjiBhai Pindariya)	182 P, pvt. land	Sherdi/ Mandvi	5-56-45	2000 MT/M	Sherdi 2 km	Drilling Mud

Shri M.D.Chaudhry, Geological Assistant, Dist: Kutch informed committee that hard copy of proposal No: SIA/GJ/MIN/38776/2015 could not be submitted. Hence it was

decided by the committee to defer this proposal for further consideration in one of the upcoming SEAC meeting.

CHINA CLAY MINING PROJECT, DIST:KUTCH

Sr. no.	Proposal No.	Project Name	S NO	Vill,Taluka	Hectare	Rate of mining	Nearest Habitation	Proposed use
1	SIA/GJ/MIN/35769/2015	Jitendrakumar Shankarlal Jobanputra	1563 P	Jatavada/Rapar	10-70-80 Existing	1500 Mt/M	Balasar 4.36 km	Ceramic Industry
2	SIA/GJ/MIN/36515/2015	Satishbhai Valjibhai Chhanga	483 P	Mamuara/Bhuj	20-00-00 Existing	16500 Mt/M	Mamuara 1.01 km	Ceramic Industry
3	SIA/GJ/MIN/41099/2016	Manoj P. Solanki	682 paiki	Nadapa/Bhuj	6-50-00 Existing	60000 TPA	Nadapa 1.30 km	Ceramic Industry
4	SIA/GJ/MIN/41090/2016	M/S Shreeram Minchem International	714 P	Padhar/Bhuj	15-00-00 Existing	50000 TPA	Padhar 3.04 km	Ceramic Industry

Shri M.D.Chaudhry, Geological Assistant,Dist: Kutch informed committee that hard copy of proposal No: SIA/GJ/MIN/35769/2015 could not be submitted. Hence it was decided by the committee to defer this proposal for further consideration in one of the upcoming SEAC meeting.

For the proposal Nos: SIA/GJ/MIN/36515/2015, SIA/GJ/MIN/41099/2015 and SIA/GJ/MIN/41090/2015, Shri M D Chaudhry informed that there will be open cast mining. No explosives and detonators are required for the mining. The overburden of soil removed during mining will be stacked in area allotted for dumping and will be refilled in the pits. Surface runoff and garland drains water will be used for the rain water harvesting. Loaded vehicles used for transportation will be covered tarpaulin to curb fugitive emission. Entry/exit slope will be made adequate and protected with stone indicators on site and the road connecting to site. Water sprinkling will be carried out regularly to curb fugitive emission during mining activities. Excavated pit will be refilled and remaining part will be used as water reservoir for rain water harvesting. Fencing will be provided surrounding to pit to prevent accident. There will be no intersection of water table.

After detailed deliberation and considering the mitigation measures proposed by the lease holders, Committee unanimously decided to recommend proposal Nos: SIA/GJ/MIN/36515/2015, SIA/GJ/MIN/41099/2015 and SIA/GJ/MIN/41090/2015 for grant of environmental clearance to SEIAA with stipulation of standard conditions for Sand mining as approved in 232nd SEAC meeting held on 15th April 2015.

BLACK TRAP MINING PROJECT, DIST: PANCHMAHAL

Sr no.	Proposal No.	Project Name	S NO	Vill, Taluka	Hectare	Rate of mining	Nearest Habitation	Proposal use
1	SIA/GJ/MIN/32428/2015	Jayesh Patel C/o Amrut Quarry	974/36p3,974/36p4,974/56p2 Pvt. Land	Pandyapura Timba/ Godhra	06-00-00 Existing	40000 MT/M	Timba: 1 km	Construction

Shri Mehul Dave, Asst. Geologist, Dist: Panchmahal informed that the method of basalt removal involves drilling, blasting, sizing of mineral, etc. Top soil will be stacked separately for green belt development whereas overburden will be removed, stacked and refilled in mined out pits. The proposal does not involve intersection of ground water table. No wastewater generation is envisaged from mining activities. Domestic wastewater will be disposed off through septic tank– soak pit. Arrangement will be made to prevent contamination of surface runoff. Proposed air pollution control measures include use of only controlled blasting, water sprinkling on haul roads, tree plantation in periphery and road sides, etc. It is proposed to convert mined out pits into water reservoirs.

After discussion and detailed scrutiny of the proposal, considering the mitigation measures proposed by the lease holder, committee unanimously decided to recommend the proposal No: SIA/GJ/MIN/32428/2015 for grant of environmental clearance to SEIAA with stipulation of standard conditions for Non Sand mining as approved in 232nd SEAC meeting held on 15th April 2015.

SAND MINING PROJECT, DIST: PANCHMAHAL

Sr. no.	Proposal No.	Project Name	S NO	Vill, Taluka	Hectare	Name of river	Rate of mining	Nearest Habitation	Proposal use
1	SIA/GJ/MIN/41036/2016	Shantilal Hirabhai Patel	217,219, 221	Mor/ Shahera	5-50-00 Existing	Panam	120000 MTPA	Mor 1.5 km	Construction
2	SIA/GJ/MIN/40953/2016	Assistant Geologist (Block-B1, Chalali)	96/P,106,107,108,112, 114 (Auctioned block)	Chalali /Kalol	6-50-00 New	Goma	72854 MTPA	Chalali 550 meters	Construction

Shri Mehul Dave, Asst. Geologist, District: Ahmedabad informed that above proposals are located in Panam and Goma rivers which are seasonal rivers. He informed committee that sand excavation will be done only from dry river bed. It was also represented that no any bridge piers / water intake wells / irrigation structures exist within 500 m distance from boundary of any of above lease area. He explained that sand excavation will be done up to maximum 3 m depth or water level, whichever is less. The committee observed that the lease holders have proposed to leave adequate setback distance from the river bank so as to avoid chances of river bank erosion. Water sprinkling will be done during loading of material. All the

transportation vehicles are proposed to be covered to avoid fugitive emission of fine particles. Shri Mehul Dave informed that there is no instream mining and sand mining will be done from dry river bed only.

After detailed deliberation and considering the mitigation measures proposed by the lease holders, Committee unanimously decided to recommend the above proposals for grant of environmental clearance to SEIAA with stipulation of standard conditions for Sand mining as approved in 232nd SEAC meeting held on 15th April 2015.

ORDINARY CLAY MINING PROJECT, DIST:PATAN

Sr. no.	Proposal No.	Project Name	S NO	Vill,Taluka	Hectare	Rate of mining	Nearest Habitat ion	Proposal use
1	SIA/GJ/MIN /33134/2015	Bhagwati Bricks	571/1/1,577/1,577/2,577/3 P1,577/3 P2,577/4 P1,577/4 P2,577/6,577/7,577/8,577/5	Pindral, Siddhpur	05.20.00 Ha Existing	6000 MTPA	Dindro l:3 km	Construc tion
2	SIA/GJ/MIN /33293/2015	A One Bricks	375/1 B,371/3, 375/1,375/1B ,378/2,381/2, 283/2	Dindrol/ Siddhpur	05.12.53 Ha Existing	7000 MTPA	Dindro 0.94 km	Construc tion
3	SIA/GJ/MIN /33168/2015	A One Bricks	678/1,678/2	Chandraman a/ Patan	08.44.30 Ha Existing	8000 MTPA	Chnadr amana: 2.11 km	Construc tion
4	SIA/GJ/MIN /34414/2015	KBR Bricks	S NO: 8	Vagel/Harij	06.16.14 Ha Existing	7000 MTPA	Ukaran a:1.79 km	Construc tion
5	SIA/GJ/MIN /35763/2015	Kamal Bricks	459 P ,460 P, 461 P, 462P,472 P1	MudwaPatar da/ Siddhpur	05.40.00 Ha Existing	7000 MTPA	Mudwa patarda : 3 km	Construc tion

Shri R.M.Ghadvi, Asst. Geologist, Dist: Patan mentioned that above proposals do not include blasting and mineral will be removed through open cast mining. Proposals do not involve intersection of ground water table. It was presented that arrangement of water sprinkling will be done during excavation and loading of mineral for transportation. No protected areas/Reserve Forest/Sanctuary exist within 10 Km radius of the proposed lease. Depth of mining will be restricted to 2 meter.

After discussion and detailed scrutiny of the above proposals, considering the mitigation measures proposed by the lease holders, the committee unanimously decided to recommend above proposals for grant of environmental clearance to SEIAA with stipulation of standard conditions for Sand mining as approved in 232nd SEAC meeting held on 15th April 2015 with specific conditions mentioned in Office

Memorandum of MoEF&CC, New Delhi dated 24th June 2013 for ordinary earth as under

1. The activity associated with borrowing/excavation of 'brick earth' and 'ordinary earth' for purpose of brick manufacturing, construction of roads, embankments etc. shall not involve blasting.
2. The borrowing/excavation activity shall be restricted to a maximum depth of 2m below general ground level at the site.
3. The borrowing/excavation activity shall be restricted to 2 m above the ground water table at the site.
4. The borrowing/excavation activity shall not alter the natural drainage pattern of the area.
5. The borrowed/excavated pit shall be restored by the project proponent for useful purpose(s).
6. Appropriate fencing all around the borrowed/excavated pit shall be made to prevent any mishap.
7. Measures shall be taken to prevent dust emission by covering of borrowed/excavated earth during transportation.
8. Safeguards shall be adopted against health risks on account of breeding of vectors in the water bodies created due to borrowing/excavation of earth.
9. Workers / labourers shall be provided with facilities for drinking water and sanitation.
10. A berm shall be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.
11. A minimum distance of 15 m from any civil structure shall be kept from the periphery of any excavation area

WHITE CLAY MINING PROJECT, DIST:PATAN

Sr. no.	Proposal No.	Project Name	S NO	Vill, Taluka	Hectare	Rate of mining	Nearest Habitation	Proposal use
1	SIA/GJ/MIN/35592/2015	Shankarlal Gangaram Thakkar	456 P	Dhokawada/ Santalpur	11-09-00 Existing	15000 MT/M	Dhoka wada 2.60 km	Ceramic ind.

Shri R.M.Ghadvi, Asst. Geologist, Dist: Patan informed that major part of the above lease area comes under reserved forest and lease holder has not complied conditions of lease and henceforth he proposed to cancel the lease. A letter in this regard is submitted by the asst. geologist to the committee (with a copy to the project proponent) during meeting and accordingly requested committee not to recommend the aforesaid proposal for grant of EC.

After going through submission of the Asst. Geologist, Dist:Patan and detailed deliberation, committee unanimously decided to close the proposal and delist from the pending EC application list of SEAC as it is recommended by the Asst Geologist, Dist: Patan vide letter No: AGP/SEAC/2016 dated 09/03/2016 for noncompliance of lease conditions.

RED OCHER MINING PROJECT,DIST:PATAN

Sr. no.	Proposal No.	Project Name	S NO	Vill,Taluka	Hectare	Rate of mining	Nearest Habitation	Proposal use
1	SIA/GJ/MIN/35905/2015	Hemaben Gangaram Thakkar	160 P	Fangli/Santalpur	9.71.00 Existing	400 MT/M	Fengli 1.16 km	Cement ind.,Color making Industry

During presentation, Shri R.M.Ghadvi, Asst. Geologist, Dist: Patan submitted a letter bearing No: AGP/SEAC/2016 dated 09/03/2016 stating that mining is regularly done in the aforementioned lease.

Considering submission of the asst. geologist,Dist:Patan, committee unanimously decided not to hear the proposal No: SIA/GJ/MIN/35905/2015 in view of violating the provision of EIA Notification 2006 by carrying out mining activity without obtaining prior Environmental Clearance. It was decided by the committee to inform GPCB to initiate legal action against the project proponent under section 15 of the EPACT 1986.

SAND MINING PROJECT, DIST:PATAN

Sr. no.	Proposal No.	Project Name	S NO	Vill, Taluka	Hectare	Name of river	Rate of mining	Nearest Habitation	Proposed use
1	SIA/GJ/MIN/41235/2016	Vedant Enterprise	85, 116, 123 ne lagu	Dethali/Siddhpur	06-03-41 New	Saraswati	1,00,000 TPA	Dethali 1.91 km	Construction

Shri R.M.Ghadvi, Asst. Geologist, Dist: Patan informed that above lease area is located in Saraswati river bed which is seasonal river. He further informed that sand excavation will be done only from dry river bed. It was also represented that no any bridge piers / water intake wells / irrigation structures exist within 500 m distance from boundary of any of above lease area. He explained that sand excavation will be done up to maximum 3 m depth or water level, whichever is less. The committee observed that the lease holder has proposed to leave adequate setback distance from the river bank so as to avoid chances of river bank erosion. Water sprinkling will be done during loading of material. All the transportation vehicles are proposed to be covered to avoid fugitive emission of fine particles. Asst. geologist informed that there is no instream mining and sand mining will be done from dry river bed only.

After detailed deliberation and considering the mitigation measures proposed by the lease holder, Committee unanimously decided to recommend the above proposal for grant of environmental clearance to SEIAA with stipulation of standard conditions for Sand mining as approved in 232nd SEAC meeting held on 15th April 2015

BALL CLAY MINING PROJECT, DIST: PATAN

Sr. no.	Proposal No.	Project Name	S NO	Vill, Taluka	Hectare	Rate of mining	Nearest Habitation	Proposed use
1	SIA/GJ/MIN /39364/2016	Gangaram Valjibhai Thakkar C/o Heemaben Gangaram Thakkar	358 P	Charanaka/ Santalpur	5-49-00 Existing	3684 MT/M	Charanak 3.6 km	

Shri R.M.Ghadvi, Asst. Geologist, Dist: Patan informed that the lease area of the above proposal falls under Charanka Solar Project. He further submitted a letter bearing No: AGP/SEAC/2016 dated 09/03/2016 to the committee (with a copy to the project proponent) during meeting and requested committee not to recommend the aforesaid proposal for grant of EC.

After going through submission of the Asst. Geologist, Dist: Patan and detailed deliberation, committee unanimously decided to close the proposal and delist from the pending EC application list of SEAC as it is requested by the Asst Geologist, Dist: Patan vide letter No: AGP/SEAC/2016 dated 09/03/2016 for cancellation of lease and requested committee not to recommend for grant of EC.

ORDINARY CLAY MINING PROJECT, DIST: SURAT

Sr. no.	Proposal No.	Project Name	S NO	Vill, Taluka	Hectare	Rate of mining	Nearest Habitation	Proposed use
1	SIA/GJ/MIN /33829/2015	Ajaysinh Bhupatsinh Suratia. Moje:- Saras, Tal:- Olpad, Dis:- Surat	Block No.907	Saras/ Olpad	11-90-79 Existing	1667 MT/M	Sarsa: 1 km	Construction
2	SIA/GJ/MIN /33903/2015	Shree Sai Enterprise. Prop: Subhash Patel. Block No:- 463, Moje Kamroli, Tal:- Olpad, Dist:- Surat.	Block No 463	Kamroli/ Olpad	5-42-40 New	833 Mt/M	Kanroli: 1 km	Construction

Assistant Geologist, District: Surat and Project proponent remained absent to represent above proposals before the committee. It was also noticed by the committee that hard copies of the above proposal could not be submitted by the

Asst. Geologist./Project proponent. Hence, it was decided by the committee to defer the above proposal for further consideration in one of the upcoming SEAC meeting.

SAND MINING PROJECT, DIST:SURAT

Sr. no.	Proposal No.	Project Name	S NO	Vill,Taluk a	Hectare	Rate of mining	Name of River	Nearest Habitat ion	Proposed use
1	SIA/GJ/MIN/38 942/2016	Arvinbhai Vallabhbai Solanki	107/A,109, 121,87	Vankla/ Mandvi	07-49-50	5000 MT/M	Tapi	Vankla 0.70 km	Construction

Assistant Geologist, District: Surat and Project proponent remained absent to represent above proposal before the committee. It was also noticed by the committee that hard copy of the above proposal could not be submitted by the Asst. Geologist./Project proponent. Hence, it was decided by the committee to defer the above proposal for further consideration in one of the upcoming SEAC meeting.

SAND MINING PROJECT, DIST:TAPI

Sr. no	Proposal No.	Project Name	S NO	Vill, Taluka	Hectare	Rate of mining	Name of River	Nearest Habitation	Proposed use
1	SIA/GJ MIN /33891/201 5	Dhruv Stone Quarry	1,92 Ne lagu Block No.4	Chinchoda/ Nizar	06-00-00 New	41100 MT/M	Tapi	Chinchoda 1.30 KM	Construction

Shri R.R.Bukhari,R.I., District: Tapi informed that proposed lease is located in Tapi river bed. He informed committee that sand excavation will be done only from dry river bed. It was also represented that no any bridge piers / water intake wells / irrigation structures exist within 500 m distance from boundary of any of above lease area. He explained that sand excavation will be done up to maximum 3 m depth or water level, whichever is less. The committee observed that the lease holder has proposed to leave adequate setback distance from the river bank so as to avoid chances of river bank erosion. Water sprinkling will be done during loading of material. All the transportation vehicles are proposed to be covered to avoid fugitive emission of fine particles.

After detailed deliberation, Committee asked asst. geologist to submit confirmation regarding whether the proposed lease area is located in dry river bed and will it be an instream mining ? Upon submission of the said details, committee unanimously decided to consider the proposal in one of the upcoming SEAC meeting for further consideration.

SAND MINING PROJECT, DIST:VADODARA

Sr . no.	Proposal No.	Project Name	S NO	Vill, Taluka	Hectare	Name of river	Rate of mini ng	Nearest Habitatio n	Proposal use
1	SIA/GJ/MIN/ 33885/2015	Alpeshkumar Babubhai Panchal	600/627	Pura/ Karjan	07-27-28 Existing	Narma da	5000 0 MT/ M	Sitpur 1.54 km	Construction
2	SIA/GJ/MIN/ 33884/2015	Alpeshkumar Babubhai Panchal	1030/1033 ,1052/1, 1428 P	Oza/ Karjan	09-08-26 Existing	Narma da	6000 0 MT/ M	Oza 1.92 km	Construction
3	SIA/GJ/MIN/ 34829/2015	Mining of Sand from Narmada Nadi Patt Paiky from the lease of Sureshbhai Chhotubhai Salar	624 to 660	Pura/ Karjan	07-27-28 Existing	Narma da	4000 0 MTP A	Tarsali Village 1600 Meter	Construction
4	SIA/GJ/MIN/ 34836/2015	Mining of Sand from Narmada Nadi Patt Paiky from the lease of Bhanubhai Jivrajbhai Sojitra	584 to 600	Pura/ Karjan	05-52-96 Existing	Narma da	4000 0 MTP A	Tarsali Village 1700 Meter	Construction
5	SIA/GJ/MIN/ 34283/2015	Rushi Zaverbhai Dodiya	777 to 783	Molet ha/ Sinor	09-99-00 New	Narma da	3000 MT/ M	Molet 2 km	Construction
6	SIA/GJ/MIN/ 38222/2016	Mining of Sand from Narmada Nadi Patt Paiky from the lease of shri Arvindbhai Narsinhbhai Oad	1617 P,Old S.No.1428 P,1033	Oaz/ Karjan	08-82-87 Existing	Narma da	6000 0 MTP A	Tarsali Village 1600 Meter	Construction
7	SIA/GJ/MIN/ 41092/2016	Madhuben Gemabhai Oad	290,6,7,8	Fetapu r/ Karjan	9-90-00 Existing	Narma da	3250 0 MT/ M	Fatepur 0.60 km	Construction

Shri P.J.Bhavsar, Geologist, Dist: Vadodara informed committee that Environmental clearance to the proposal No:SIA/GJ/MIN/33884/2015 is granted vide letter NO: SEIAA/GUJ/EC/1(a)/3796/2015 and requested committee to close the proposal. After deliberation, committee mentioned that applicant has applied for EC for

increase in production rate to 60,000 MTPA from 20,000 MTPA. However in absence of presentation before the committee, it was decided by the committee to defer the proposal in one of the upcoming SEAC meeting for further consideration.

Shri P.J.Bhavsar, Geologist, District: Vadodara informed that proposal Nos: SIA/GJ/MIN/33885/2015, SIA/GJ/MIN/34829/2015, SIA/GJ/MIN/34836/2015, SIA/GJ/MIN/38222/2015 and SIA/GJ/MIN/41092/2015 are located in dry river bed of Narmada. He further informed that sand excavation will be done only from dry river bed. It was also represented that no any bridge piers / water intake wells / irrigation structures exist within 500 m distance from boundary of any of above lease area. He explained that sand excavation will be done up to maximum 3 m depth or water level, whichever is less. The committee observed that the lease holders have proposed to leave adequate setback distance from the river bank so as to avoid chances of river bank erosion. Water sprinkling will be done during loading of material. All the transportation vehicles are proposed to be covered to avoid fugitive emission of fine particles. Shri P.J.Bhavsar informed that there is no instream mining and sand mining will be done from dry river bed only.

After detailed deliberation and considering the mitigation measures proposed by the lease holders, Committee unanimously decided to recommend the proposal Nos: SIA/GJ/MIN/33885/2015, SIA/GJ/MIN/34829/2015, SIA/GJ/MIN/34836/2015, SIA/GJ/MIN/38222/2015 for grant of environmental clearance to SEIAA with stipulation of standard conditions for Sand mining as approved in 232nd SEAC meeting held on 15th April 2015.

For proposal No: SIA/GJ/MIN/41092/2015, committee noticed that human habitation is found to be nearer to the proposed lease and hence asked geologist to submit the nearest aerial distance of the human habitation from the outer periphery of the proposal No: SIA/GJ/MIN/41092/2015 and decided to take up the proposal in one of the upcoming SEAC meeting after submission of the said details by the Geologist, Vadodara.

For proposal No: SIA/GJ/MIN/34283/2015, Shri P.J.Bhavsar, Geologist, Dist: Vadodara informed that villagers in the vicinity are objecting for the proposed mine and hence quarry permit is to be cancelled. After deliberation committee asked Geologist, Vadodara to submit copy of quarry permit cancelled by the competent authority. After submission the said details, it was decided by the committee to take further decision of the proposal No: SIA/GJ/MIN/34283/2015.

MAJOR MINERAL PROPOSAL

1. LIME STONE MINING PROJECT, DIST: KUTCH

Sr. no.	Proposal No.	Project Name	S NO	Vill, Taluka	Hectare	Rate of mining	Nearest Habitation	Proposal use
1	SIA/GJ/MIN /9614/2016	Dhrang Lime Stone Mining Project C/O Shree Ram Mine chem International	196,197,413 P	Dhrang/ Bhuj	18-00-00 Existing	4,00,000 MTPA	Dhrang: 2 km	Industrial use

It is a lime stone mining project with lease area of 18.00.00 Ha. and located at S NO:196,197,413p, Village: Dhrang, Ta: Bhuj, Dist:Kutch. Proposed production is 4,00,000 MTPA. The proposal falls in project / activity no. 1(a) of the Schedule of the EIA Notification, 2006 and as the lease area is less than 50 Hectares, it falls under category B.

The project proponent represented the project with background of the company, site location and surrounding, key pan (google image), site photographs, details of surrounding, man power requirement, water requirement, method of mining, geology of an area, anticipated environmental impacts, Environmental management plan and budgetary provision, details of CSR and plan of green belt development etc.

After presentation, committee decided to recommend following Terms of reference (TOR) prescribed by MOEF&CC, New Delhi to SEIAA along with additional TOR for project category 1(a) for the EIA study to be done considering 10 Km radius from the periphery of the mine lease area.

- 1) Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved prior to 1994.
- 2) A copy of the document in support of the fact that the Proponent is the rightful lessee of the mine should be given.
- 3) All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.
- 4) All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/ toposheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
- 5) Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
- 6) Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
- 7) It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in

the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/ violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the Company and/or shareholders or stakeholders at large, may also be detailed in the EIA Report.

- 8) Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining, blasting study etc. should be detailed. The proposed safeguard measures in each case should also be provided.
- 9) The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period.
- 10) Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
- 11) Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.
- 12) A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.
- 13) Status of forestry clearance for the broken up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.
- 14) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
- 15) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
- 16) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
- 17) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
- 18) A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled-I fauna found

in the study area, the necessary plan alongwith budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.

- 19) Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.
- 20) Similarly, for coastal Projects, A CRZ map duly authenticated by one of the authorized agencies demarcating LTL, HTL, CRZ area, location of the mine lease w.r.t CRZ, coastal features such as mangroves, if any, should be furnished. (Note: The Mining Projects falling under CRZ would also need to obtain approval of the concerned Coastal Zone Management Authority).
- 21) R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.
- 22) One season (non-monsoon) [i.e. March-May (Summer Season); October-December (post monsoon season) ; December-February (winter season)]primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given.
- 23) Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modeling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
- 24) The water requirement for the Project, its availability and source should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
- 25) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
- 26) Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
- 27) Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.
- 28) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro

Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.

- 29) Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be brought out.
- 30) Information on site elevation, working depth, groundwater table etc. Should be provided both in AMSL and bgl. A schematic diagram may also be provided for the same.
- 31) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.
- 32) Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
- 33) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
- 34) Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.
- 35) Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
- 36) Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
- 37) Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
- 38) Detailed environmental management plan (EMP) to mitigate the environmental impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.
- 39) Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
- 40) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 41) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
- 42) A Disaster management Plan shall be prepared and included in the EIA/EMP Report.

- 43) Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
- 44) Besides the above, the below mentioned general points are also to be followed:-
- (i) Executive Summary of the EIA/EMP Report
 - (ii) All documents to be properly referenced with index and continuous page numbering.
 - (iii) Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
 - (iv) Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.
 - (v) Where the documents provided are in a language other than English, an English translation should be provided.
 - (vi) The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.
 - (vii) While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF&CC vide O.M. No. J-11013/41/2006-IA.II(I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.
 - (viii) Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
 - (ix) As per the circular no. J-11011/618/2010-IA.II(I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
 - (x) The EIA report should also include (i) surface plan of the area indicating contours of main topographic features, drainage and mining area, (ii) geological maps and sections and (iii) sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.

Beside above standard TORs, following additional TORs are recommended

:

1. Project site specific details such as distance of the project site from nearest (1) Village (2) Water Body : River / Creek / Nallah / Lake / Pond / Reservoir / Canal (3) National Highway (4) State Highway (5) Railway line (6) Heritage site (7) National Park/Narayan Sarovar/ Wild Life Sanctuary /Reserve Forest / Protected Forest shall be included in the rapid EIA report to be prepared covering one season (other than monsoon) data. A map indicating the aerial distance of the lease area from these entities.
2. Distance of nearby mining lease areas from the periphery of the proposed project including a map covering distance of 1 Km from the periphery of the proposed project. In case of no mining lease areas existing in the 500 m periphery of the proposed project, certificate of the concerned geologist in this regard. Also detail shall be furnished regarding cluster of homogenous mineral leases existing within 500 meter radius of the proposed mine lease.
3. Copies of all requisite permissions including permissions from District Collector, Commissioner of Geology & Mining, Indian Bureau of Mines, GPCB, current lease

renewal status of industries and Mine department, Government of Gujarat with copy of renewed lease (if any) etc. to be incorporated.

4. Approved mining plan including progressive mine closure plan shall be provided with EIA report. Letter of approval of IBM shall also be incorporated with compliance of all the recommendations mentioned in approved mining plan.
5. Details of peripheral drains to arrest the inflow of surface runoff in the quarry area and garland drains for arresting run off from the overburden / reject dumps. Specific measures to ensure that contaminated runoff from mine terrain will not lead to the rivers / natural drains / adjoining farms, in any case.
6. A study report for utilization of water accumulated in reservoir during operation phase and post mine closure phase and its associated environmental benefits.
7. Details of preventive measures to be taken for non occurrence of any fatal or non fatal accidents.
8. Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
9. Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.

The draft EIA report covering above TORs shall be prepared and submitted to the GPCB for conducting the public hearing / consultation process as per the provisions of the EIA Notification, 2006.

2. LIME STONE MINING PROJECT, DIST: GIR SOMNATH

Sr. no.	Proposal No.	Project Name	S NO	Vill, Taluka	Hectare	Rate of mining	Nearest Habitation	Proposed use
2	SIA/GJ/MIN /34482/2015	Rajnikant D. Trivedi	5 P	Hasnavadar/ Veraval	12-35-30 New	50,000 MTPA	Hasnavadar 0.670 km	Construction

The project proponent has applied Environmental Clearance in Form 1 for their lime stone Mining project located at Survey No:5 paiki, Village: Hasnavadar, Ta: Veraval, Dist: Gir Somnath, Gujarat. The mine lease area is 12-35-30 Ha. Proposed rate of mining is 50,000 MTPA. The proposal falls in project / activity no. 1(a) of the Schedule of the EIA Notification, 2006 and as the lease area is less than 50 Hectares, it falls under category B.

The technical presentation of the project included introduction, location details, environment setting, details of mineral reserve, water requirement, method of mining without drilling and blasting, details of employment, green belt development, proposed expenditure for environmental pollution control etc.

After detailed deliberation, considering the scale of project and as mining is proposed to be carried out by semi mechanized means and does not include blasting, it was categorized as B2 and following additional information was sought for appraisal of the project.

1. Project site specific details such as distance of the project site from the nearest (1) Village (2) Water Body : River / Creek / Nallah / Lake / Pond / Reservoir / Canal (3) National Highway(4) State Highway (5) Railway line (6) Heritage site (7) National Park / Wild Life Sanctuary /Reserve Forest / Protected Forest.(8) Distance of other lease areas for mining from the periphery of proposed mine.A map indicating the aerial distance of the lease area from these entities.
2. Distance of nearby mining lease areas from the periphery of the proposed project including a map covering distance of 1 Km from the periphery of the proposed project. In case of no mining lease areas existing in the 500 m periphery of the proposed project, certificate of the concerned geologist in this regard.
3. Copies of No Objection Certificate (NOC) of the forest department for carrying of mining operation in the said proposal, permissions from District Collector, Commissioner of Geology & Mining, Indian Bureau of Mines, GPCB,Current lease renewal status of industries and Mine department, Government of Gujarat with copy of renewed lease etc.
4. Land use plan of the mine lease area should be prepared to encompass pre-operational, operational and post operational phases.
5. Land use of the study area delineating forest area, agriculture area, waste land, grazing land, human settlement, water bodies etc. based on satellite imagery.
6. Approved mining plan including progressive mine closure plan and shall be incorporated with letter of approval of IBM.
7. Details of peripheral drains to arrest the inflow of surface runoff in the quarry area and garland drains for arresting run off from the overburden / reject dumps. Specific measures to ensure that contaminated runoff from mine terrain will not lead to the rivers / natural drains / adjoining farms, in any case.
8. Technical justification for no requirement of blasting. Notarized undertaking stating that no blasting shall be carried out.
9. Impact due to fugitive emissions including that because of transportation activities and the mitigation measures thereof need to be elaborated.
10. Dust suppression measures & control measures at worker level & proposed PPE to workers.
11. Detailed overburden and mine rejects management plan.
12. Detailed write up and drawing of mine closure plan. Water reservoirs to be constructed after closure of mine should be in proper shape and having proper fencing.
13. Details on back filling system of the exhausted mine. Details on compaction of back filling layer.
14. The reclamation plan, post mine land use and progressive green belt development plan along with year wise financial outlay shall be included.
15. The water requirement for the project along with the source and availability as well as necessary permissions from the competent authority for drawl of groundwater, if any.
16. Details of the water conservation measures proposed to be adopted in the project should be highlighted.
17. Information on site elevation, working depth, ground water table should be provided. Based on actual monitored data, it may clearly be shown whether working will intersect ground water.
18. Check list of flora and fauna in the study area and impacts of the project on the same along with mitigation measures.
19. Occupational health impact of the project especially during manual operations in the work area and the mitigation measures proposed along with the commitment of the project proponent for implementation of the mitigation measures.
20. Plan for periodic medical examination of the mine workers.
21. Details of the basic amenities, infrastructure facilities, PPEs etc. to be provided to the mine workers.

22. Detailed Mitigation Plan and the Environmental Management Plan with respect to all likely impacts of the project activities. Total capital cost and recurring cost/annum earmarked for environment pollution control measures.
23. An action plan showing list of the activities along with the fund allocation shall be submitted based on the socio-economic profile of the surrounding villages and need base field assessment.
24. Details regarding existing green belt development activity carried out during past years. A detailed future greenbelt development plan including type of species, number of trees, budgetary allocation, etc.
25. Details of fencing, tree plantation done in the existing mined area.
26. Any litigation pending against the project and / or any direction / order passed by any Court of Law against the project, if so, details thereof.
27. (a) Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed. (b). Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms /conditions ? If so, it may be detailed.
28. What is the hierarchical system or administrative order of the company to deal with the environmental issues and for ensuring compliance with the EC conditions. Details of this system may be given.
29. Does the company have a system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism should be detailed. The project shall be appraised after submission of above cited additional details.

After submission of the aforesaid additional information, Committee unanimously decided to consider the above proposal for appraisal in one of the upcoming SEAC meeting.

3 & 4. BAUXITE MINING PROJECT, DIST: DEVBHUMIDWARKA

Sr.No.	Proposal No.	Project Name	District	Hectare
3	SIA/GJ/MIN/4891/2015	Mokhana White Clay & Silica Sand Mine	kutch	12-00-00
4	SIA/GJ/MIN/9605/2016	White Clay Mining along with Major Mineral (Bhupendra Kumar Rewa Shankar Gaur)	Kutch	20-00-00

Project proponents for the proposal Nos: SIA/GJ/MIN/4891/2015 and SIA/GJ/MIN/9605/2012 remained absent for presentation before the committee. It was also noticed by the committee that hard copies of the above proposal could not be submitted by the Asst. Geologist./Project proponent. Hence, it was decided by the committee to defer the above proposals for further consideration in one of the upcoming SEAC meeting.

5. BAUXITE MINING PROJECT, DIST: DEVBHUMIDWARKA

Sr. no.	Proposal No.	Project Name	S NO	Vill, Taluka	District	Hectare	Rate of mining	Nearest Habitation
5	SIA/GJ/MIN/34179/2015	Giriraj Bauxite Mine (Giriraj	409 and 212paiki	mewasa, Kalyanpur	Devbhumi Dwarka	04-70-44 Ha	60,000 MTPA	Mevasa: 1.40 km

		Calcine Bauxite And Refractories Private Ltd.)						
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The project proponent has applied Environmental Clearance in Form 1 for their Bauxite Mines. The mine lease area is 04-70-44 Ha. Proposed rate of mining is 60,000 MTPA. The proposal falls in project / activity no. 1(a) of the Schedule of the EIA Notification, 2006 and as the lease area is less than 50 Hectares, it falls under category B.

The technical presentation of the project included introduction, environmental settings, details of lease issued by the district collector, google image of lease area, accessibility of lease area, local geology of lease area, method of mining, details of overburden management and minerals rejects, environment management plan, plantation details, anticipated impacts on environment and mitigation measures, details of social infrastructure and safety, health system, budgetary provisions for CSR activities etc.

1. Project site specific details such as distance of the project site from the nearest (1) Village (2) Water Body : River / Creek / Nallah / Lake / Pond / Reservoir / Canal (3) National Highway (4) State Highway (5) Railway line (6) Heritage site (7) Marine National Park/Gaga sanctuary/ Wild Life Sanctuary /Reserve Forest / Protected Forest.(8) Distance of other lease areas for mining from the periphery of proposed mine. A map indicating the aerial distance of the lease area from these entities.
2. Distance of nearby mining lease areas from the periphery of the proposed project including a map covering distance of 1 Km from the periphery of the proposed project. In case of no mining lease areas existing in the 500 m periphery of the proposed project, certificate of the concerned geologist in this regard.
3. Copies of No Objection Certificate (NOC) of the forest department for carrying out mining operation in the said proposal, permission of non agriculture of the lease area from District Collector, Commissioner of Geology & Mining, Indian Bureau of Mines, GPCB, Current lease renewal status of industries and Mine department, Government of Gujarat with copy of renewed lease etc.
4. Land use plan of the mine lease area should be prepared to encompass pre-operational, operational and post operational phases.
5. Land use of the study area delineating forest area, agriculture area, waste land, grazing land, human settlement, water bodies etc. based on satellite imagery.
6. Approved mining plan including progressive mine closure plan and shall be incorporated with letter of approval of IBM.
7. Details of peripheral drains to arrest the inflow of surface runoff in the quarry area and garland drains for arresting run off from the overburden / reject dumps. Specific measures to ensure that contaminated runoff from mine terrain will not lead to the rivers / natural drains / adjoining farms, in any case.
8. Technical justification for no requirement of blasting. Notarized undertaking stating that no blasting shall be carried out.
9. Impact due to fugitive emissions including that because of transportation activities and the mitigation measures thereof need to be elaborated.
10. Dust suppression measures & control measures at worker level & proposed PPE to workers.
11. Detailed overburden and mine rejects management plan.
12. Detailed write up and drawing of mine closure plan. Water reservoirs to be constructed after closure of mine should be in proper shape and having proper fencing.

13. Details on back filling system of the exhausted mine. Details on compaction of back filling layer.
14. The reclamation plan, post mine land use and progressive green belt development plan along with year wise financial outlay shall be included.
15. The water requirement for the project along with the source and availability as well as necessary permissions from the competent authority for drawl of groundwater, if any.
16. Details of the water conservation measures proposed to be adopted in the project should be highlighted.
17. Information on site elevation, working depth, ground water table should be provided. Based on actual monitored data, it may clearly be shown whether working will intersect ground water.
18. Check list of flora and fauna in the study area and impacts of the project on the same along with mitigation measures.
19. Occupational health impact of the project especially during manual operations in the work area and the mitigation measures proposed along with the commitment of the project proponent for implementation of the mitigation measures.
20. Plan for periodic medical examination of the mine workers.
21. Details of the basic amenities, infrastructure facilities, PPEs etc. to be provided to the mine workers.
22. Detailed Mitigation Plan and the Environmental Management Plan with respect to all likely impacts of the project activities. Total capital cost and recurring cost/annum earmarked for environment pollution control measures.
23. An action plan showing list of the activities along with the fund allocation shall be submitted based on the socio-economic profile of the surrounding villages and need base field assessment.
24. Details regarding existing green belt development activity carried out during past years. A detailed future greenbelt development plan including type of species, number of trees, budgetary allocation, etc.
25. Details of fencing, tree plantation done in the existing mined area.
26. Any litigation pending against the project and / or any direction / order passed by any Court of Law against the project, if so, details thereof.
27. (a) Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed. (b). Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms /conditions ? If so, it may be detailed.
28. What is the hierarchical system or administrative order of the company to deal with the environmental issues and for ensuring compliance with the EC conditions. Details of this system may be given.
29. Does the company have a system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism should be detailed. The project shall be appraised after submission of above cited additional details.

After submission of the aforesaid additional information, Committee unanimously decided to consider the above proposal for appraisal in one of the upcoming SEAC meeting.

6.0 BAUXITE MINING PROJECT, DIST: DEVBHUMIDWARKA

Sr. no.	Proposal No.	Project Name	S NO	Vill, Taluka	District	Hectare	Rate of mining	Nearest Habitation
6	SIA/GJ/MIN/34175/2015	Giriraj Calcine	141 paiki	Virpur, Kalyanpur	Devbhumi Dwarka	4.00.00 Ha	60,000 MTPA	Mevasa: 1.40 km, Virpur: 1

		Bauxite And Refractories Private Ltd.						km
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The project proponent has applied Environmental Clearance in Form 1 for their Bauxite Clay Mines located at Survey No: 141 paiki, Village: Virpur, Ta: Kalyanpur, Dist: Devbhumidwarka, Gujarat. The mine lease area is 4.00.00 Ha. Proposed rate of mining is 60,000 TPA. The proposal falls in project / activity no. 1(a) of the Schedule of the EIA Notification, 2006 and as the lease area is less than 50 Hectares, it falls under category B.

The technical presentation of the project included introduction, environmental settings, details of lease issued by the district collector, google image of lease area, accessibility of lease area, local geology of lease area, method of mining, details of overburden management and minerals rejects, environment management plan, plantation details, anticipated impacts on environment and mitigation measures, details of social infrastructure and safety, health system, budgetary provisions for CSR activities etc.

After detailed deliberation, considering the scale of project and as mining is proposed to be carried out by semi mechanized means and does not include blasting, it was categorized as B2 and following additional information was sought for appraisal of the project.

1. Project site specific details such as distance of the project site from the nearest (1) Village (2) Water Body : River / Creek / Nallah / Lake / Pond / Reservoir / Canal (3) National Highway (4) State Highway (5) Railway line (6) Heritage site (7) National Park / Wild Life Sanctuary / Reserve Forest / Protected Forest. (8) Distance of other lease areas for mining from the periphery of proposed mine. A map indicating the aerial distance of the lease area from these entities.
2. Distance of nearby mining lease areas from the periphery of the proposed project including a map covering distance of 1 Km from the periphery of the proposed project. In case of no mining lease areas existing in the 500 m periphery of the proposed project, certificate of the concerned geologist in this regard.
3. Copies of all requisite permissions including permissions from District Collector, Commissioner of Geology & Mining, Indian Bureau of Mines, GPCB, Current status of renewal of lease area with requisite letter from the Department of Industries and Mine, Government of Gujarat etc.
4. Land use plan of the mine lease area should be prepared to encompass pre-operational, operational and post operational phases.
5. Land use of the study area delineating forest area, agriculture area, waste land, grazing land, human settlement, water bodies etc. based on satellite imagery.
6. Approved mining plan including progressive mine closure plan and shall be incorporated with letter of approval of IBM.
7. Details of peripheral drains to arrest the inflow of surface runoff in the quarry area and garland drains for arresting run off from the overburden / reject dumps. Specific measures to ensure that contaminated runoff from mine terrain will not lead to the rivers / natural drains / adjoining farms, in any case.
8. Technical justification for no requirement of blasting. Notarized undertaking stating that no blasting shall be carried out.
9. Impact due to fugitive emissions including that because of transportation activities and the mitigation measures thereof need to be elaborated.
10. Dust suppression measures & control measures at worker level & proposed PPE to workers.
11. Detailed overburden and mine rejects management plan.

12. Detailed write up and drawing of mine closure plan. Water reservoirs to be constructed after closure of mine should be in proper shape and having proper fencing.
13. Details on back filling system of the exhausted mine. Details on compaction of back filling layer.
14. The reclamation plan, post mine land use and progressive green belt development plan along with year wise financial outlay shall be included.
15. The water requirement for the project along with the source and availability as well as necessary permissions from the competent authority for drawl of groundwater, if any.
16. Details of the water conservation measures proposed to be adopted in the project should be highlighted.
17. Information on site elevation, working depth, ground water table should be provided. Based on actual monitored data, it may clearly be shown whether working will intersect ground water.
18. Check list of flora and fauna in the study area and impacts of the project on the same along with mitigation measures.
19. Occupational health impact of the project especially during manual operations in the work area and the mitigation measures proposed along with the commitment of the project proponent for implementation of the mitigation measures.
20. Plan for periodic medical examination of the mine workers.
21. Details of the basic amenities, infrastructure facilities, PPEs etc. to be provided to the mine workers.
22. Detailed Mitigation Plan and the Environmental Management Plan with respect to all likely impacts of the project activities. Total capital cost and recurring cost/annum earmarked for environment pollution control measures.
23. An action plan showing list of the activities along with the fund allocation shall be submitted based on the socio-economic profile of the surrounding villages and need base field assessment.
24. Details regarding existing green belt development activity carried out during past years. A detailed future greenbelt development plan including type of species, number of trees, budgetary allocation, etc.
25. Details of fencing, tree plantation done in the existing mined area.
26. Any litigation pending against the project and / or any direction / order passed by any Court of Law against the project, if so, details thereof.
27. (a) Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed. (b). Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms /conditions ? If so, it may be detailed.
28. What is the hierarchical system or administrative order of the company to deal with the environmental issues and for ensuring compliance with the EC conditions. Details of this system may be given.
29. Does the company have a system of reporting of non compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism should be detailed. The project shall be appraised after submission of above cited additional details.

After submission of the aforesaid additional information, Committee unanimously decided to consider the above proposal for appraisal in one of the upcoming SEAC meeting.

7.0 BAUXITE MINING PROJECT, DIST: DEVBHUMIDWARKA

Sr.No.	Proposal No.	Project Name	District	Hectare
7	SIA/GJ/MIN/ 34453/2015	Bauxite mines (mining lease) of giriraj calcine bauxite and refractories private ltd.	Devbhumi Dwarka	5-00-00

Project proponent for the proposal No: SIA/GJ/MIN/34453/2015 remained absent for presentation before the committee. It was also noticed by the committee that hard copy of the above proposal could not be submitted by the Asst. Geologist./Project proponent. Hence, it was decided by the committee to defer the above proposal for further consideration in one of the upcoming SEAC meeting.

REPLY OF ADDITIONAL INFORMATION

1. Kanaiya Industries(Hadmatiya Bauxite Mine), S NO: 121, (Area: 24 Ha), Village: Hadmatiya, Ta: Kalyanpur, Dist: Jamnagar

The above proposal was considered in the SEAC meeting held on 27/05/2016 and the following additional information was sought which was communicated to project proponent immediately during meeting.

(1) Satellite image showing exact aerial distance of the nearest house from periphery of the lease area of the project.

(2) Resolution passed by Shree Hadmatiya Gram Panchayat showing no objection of villagers for coming up of this project.

(3) A time bound action plan addressing all the issues which were raised during public hearing shall be submitted including all the commitments assured by the project proponent.

Project proponent submitted aforesaid additional information on **20/01/2016** as under.

1. Letter of Geologist bearing reference no: DEV-ML-15/1891 dtd 17-012-2015 is submitted stating that during field inspection it is found that a house in orchard is located at 507 m distance from mining lease area which is closed and in dilapidated condition. Further it is mentioned that lease area is located at 507 m away from Gamtal and another house is also located at 501m. A house located in orchard at 301 m from the mining lease is also in dilapidated condition and nobody resides in the house.
2. Project proponent has submitted No Objection Certificate dated 28/12/2015 from the office of Shri Hadmatiya Gram Panchayat stating that they have no

objection for the bauxite mining activity of Kanaiya Industries , S NO: 121/p, Village: Hadmatiya, Ta: Kalyanpur, Dist: Jamnagar.

3. Project proponent has submitted a time bound action plan addressing issues which were raised during public hearing alongwith all the commitments assured by the project proponent.

During SEAC meeting on 09.03.2016,reply of the additional information submitted by PP was considered. Referring to the reply, Committee noticed that project proponent has not submitted the current lease status and hence asked project proponent to submit the following details.

1. Current status of renewal of lease area with requisite letter from the Department of Industries and Mine, Government of Gujarat.

Committee decided to consider the above proposal for further decision in one of the upcoming SEAC meeting upon submission of the said details by the project proponent.

2. Mamuara White clay/ China Clay Mine, (Lease Area: 11.89 Ha.), (20 Microns Limited), S NO: 483/P, Village Mamuara, Taluka: Bhuj, Dist: Kutch.

The project proponent has applied for White clay / China clay located at Survey No:483/P, Village: Mamuara, Ta:Bhuj, Dist:Kutch vide application in Form I. The proposal was scheduled in the SEAC meeting on 27.05.2015 for appraisal. After meeting, project proponent was asked additional information which was replied by PP on 25.08.2015. Referring to reply, committee further sought following details during SEAC meeting held on 15 Dec 2015.:

1. Nearest aerial distance of the human habitation from the outer periphery of the lease area duly authenticated by the district geologist.
2. Compliance details of conditions prescribed in mining lease duly authenticated by office of Geology and Mining, Dist: Kutch showing current status of renewal of lease.
3. Copy of approved mining plan.
4. Submission of medical report for the last three years regarding workers health checks including Pulmonary diagnosis function (PFD) details.

Project proponent submitted reply on 26 February 2016 for the additional information sought during SEAC meeting held on 15 December 2015 which was not found satisfactory to the committee as the compliance details of conditions prescribed in mining lease duly authenticated by office of Geology and Mining, Dist: Kutch showing current status of renewal of lease is not submitted by the project proponent

Hence, committee unanimously decided to consider the proposal for further decision after submission of the following details:

1. Compliance details of conditions prescribed in mining lease duly authenticated by office of Geology and Mining, Dist: Kutch showing current status of renewal of lease area with requisite letter from the Department of Industries and Mine, Government of Gujarat.

EC AMENDMENT PROPOSALS

(1) Fire Clay Mining Project, Dist.: Surendranagar

Sr No.	Name of applicant	Lease Area and type	Survey NO	Village	Taluka	District	Mineral	Rate of mining in MTPA
1	Harnarayan Biharilal Soni	04.90 Ha Existing	S.NO: 138/p	Aaya	Sayala	Surendranagar	Fire Clay	12,000

Environmental Clearance for the above proposal was issued on 21/12/2015 vide letter No. SEIAA/GUJ/EC/1(a)/4364/2015. Project proponent has submitted an application on 28/01/2016 for correction in name of mineral mentioned in the EC.

Project proponent has mentioned that in application comprising Form 1, applicant has mentioned that actual name of mineral is "**Silica Sand**" whereas in EC, it is mentioned as "**Fire Clay**".

Referring the application made in Form I by the applicant, committee noticed that typographical error has inadvertently been made. After deliberation, committee decided to recommend amendment in Environmental Clearance order issued on 21/12/2015 vide letter NO : SEIAA/GUJ/EC/1(a)/4364/2015 for correction in the name of mineral as "**Silica Sand**" and shall be read as below to **SEIAA**.

Sr .No.	Name of applicant	Lease Area and type	Survey NO	Village	Taluka	District	Mineral	Rate of mining
1	Harnarayan Biharilal Soni	04.90.00 Ha Existing	S.NO:138/p	Aaya	Sayla	Surendranagar	Silica Sand	12,000 MTPA

(2). River Bed Sand Project, Dist.: Ahmedabad

Sr. No.	Name of applicant	Lease Area and type	Survey NO	Name of the river	Village	Taluka	District	Rate of mining
1	Ketan Mohanbhai Bharwad	03.70.00 Ha Existing	S.NO:62, 67,68	Sabarmati	Fatehwadi	Dascroi	Ahmedabad	10,000 MTPA

Environmental Clearance for the above proposal was issued on 01/06/2015 vide letter No. SEIAA/GUJ/EC/1(a)/1896/2015. Project proponent has submitted an application on 19/02/2016 for correction in rate of mining of the project mentioned in the EC.

Project proponent has mentioned that in application comprising Form 1, applicant has mentioned that actual rate of mining is "**35,000 MTPA**" whereas in EC, it is mentioned as "**10,000 MTPA**".

Referring the application made in Form I by the applicant, committee noticed that typographical error has inadvertently been made. After deliberation, committee decided to recommend amendment in Environmental Clearance order issued on 01/06/2015 vide letter NO : SEIAA/GUJ/EC/1(a)/1896/2015 for correction in rate of mining as "**35,000 MTPA**" and shall be read as below to **SEIAA**.

Sr. No.	Name of applicant	Lease Area and type	Survey NO	Name of the river	Village	Taluka	District	Rate of mining
1	Ketan Mohanbhai Bharwad	03.70.00 Ha Existing	S.NO:62, 67,68	Sabarmati	Fatehwadi	Dascroi	Ahmedabad	35,000 MTPA

(3). River Bed Sand Project, Dist.: Bharuch

Sr. No.	Name of applicant	Lease Area and type	Survey NO	Location	Village	Taluka	District	Rate of mining
1	Simaben Alpeshbhai Panchal	00.78.91 Ha New	S.NO: 192	Narmada Riverbed	Nand	Bharuch	Bharuch	25,000 MTPA

Environmental Clearance for the above proposal was issued on 30/11/2015 vide letter No. SEIAA/GUJ/EC/1(a)/4115/2015. Project proponent has submitted an application on 16/01/2016 for correction in lease area of the project mentioned in the EC.

Project proponent has mentioned that in application comprising Form 1, applicant has mentioned that lease area of the proposal "**08-13-41 Ha**" whereas in EC, it is mentioned as "**00.78.91 Ha**".

Referring the application made in Form I by the applicant, committee noticed that typographical error has inadvertently been made. After deliberation, committee decided to recommend amendment in Environmental Clearance order issued on 30/11/2015 vide letter NO : SEIAA/GUJ/EC/1(a)/4115/2015 for correction in lease area as "**08-13-41 Ha**" and shall be read as below to **SEIAA**.

Sr. No.	Name of applicant	Lease Area and type	Survey NO	Location	Village	Taluka	District	Rate of mining
1	Simaben Alpeshbhai Panchal	08-13-41 Ha New	S.NO: 192	Narmada Riverbed	Nand	Bharuch	Bharuch	25,000 MTPA

(4). Building Lime Stone Project, Dist.: Junagadh

Sr. No.	Name of applicant	Lease Area and type	Survey NO	Village	Taluka, District	Rate of mining	Distance of the Nearest Town & City
1	Arjanbhai Dayabhai Chavada	1.00.00 Ha New	S.NO:83/4/p2	Dhanfuliya	Ta:Vanthali, Dist:Junagadh	36,000 MTPM	Dhanfuliya: 1 km

Environmental Clearance for the above proposal was issued on 24/09/2015 vide letter No. SEIAA/GUJ/EC/1(a)/3636/2015. Project proponent has submitted an application on 05/01/2016 for correction in address of the project mentioned in the EC.

Project proponent has mentioned that in application comprising Form 1, applicant has mentioned that address of the proposal is at "**S NO:45/1/paiki 1**" whereas in EC, it is mentioned as "**S.NO:83/4/p2**".

Referring the application made in Form I by the applicant, committee noticed that typographical error has inadvertently been made. After deliberation, committee decided to recommend amendment in Environmental Clearance order issued on 24/09/2015 vide letter NO : SEIAA/GUJ/EC/1(a)/3636/2015 for correction in address of the proposal as "**S NO:45/1/paiki 1**" and shall be read as below to **SEIAA**.

Sr. No.	Name of applicant	Lease Area and type	Survey NO	Village	Taluka, District	Rate of mining	Distance of the Nearest Town & City
1	Arjanbhai Dayabhai	1.00.00 Ha New	S.NO: 45/1/paiki 1	Dhanfuliya	Ta:Vanthali,	36,000 MTPM	Dhanfuliya: 1 km

	Chavada				Dist:Juna gadh		
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(5). River Bed Sand Project, Dist.: Chotaudepur

Sr. No.	Name of applicant	Lease Area and type	Location	Survey NO	Village	Taluka	District	Rate of mining
1	Hareshbhai Kalidas Patel	09.81.12 Ha New	Orsang Riverbed	24,25	Suskal	Jetpur Pavi	Chotaudepur	5800 MTPM

Environmental Clearance for the above proposal was issued on 30/11/2015 vide letter No. SEIAA/GUJ/EC/1(a)/4102/2015. Project proponent has submitted an application on 21/01/2016 for correction in lease area of the project mentioned in the EC.

Project proponent has mentioned that in application comprising Form 1, applicant has mentioned that lease area of the proposal "**09-89-12 Ha**" whereas in EC, it is mentioned as "**09-81-12 Ha**".

Referring the application made in Form I by the applicant, committee noticed that typographical error has inadvertently been made. After deliberation, committee decided to recommend amendment in Environmental Clearance order issued on 30/11/2015 vide letter NO : SEIAA/GUJ/EC/1(a)/4102/2015 for correction in lease area as "**09-89-12 Ha**" and shall be read as below to **SEIAA**.

Sr. No.	Name of applicant	Lease Area and type	Location	Survey NO	Village	Taluka	District	Rate of mining
1	Hareshbhai Kalidas Patel	09.89.12 Ha New	Orsang Riverbed	24,25	Suskal	Jetpur Pavi	Chotaudepur	5800 MTPM

(6). River Bed Sand Project, Dist.: Chotaudepur

Sr. No.	Name of applicant	Lease Area and type	Survey NO	Village	Taluka	District	Rate of mining
1	PMP System Inc. (Nilesh P.Prajapati)	10.00.00 Ha New	105p	Kakchiy a	Lunawad a	Mahisagar	5000 MTPM

Environmental Clearance for the above proposal was issued on 30/11/2015 vide letter No. SEIAA/GUJ/EC/1(a)/4062/2015. Project proponent has submitted an application on 12/01/2016 for correction in the name of mineral mentioned in the EC.

Project proponent has mentioned that in application comprising Form 1, applicant has mentioned that name of the mineral is "**Quartz**" whereas in EC, it is mentioned as "**Quartzite**".

Referring the application made in Form I by the applicant, committee noticed that typographical error has inadvertently been made. After deliberation, committee decided to recommend amendment in Environmental Clearance order issued on 30/11/2015 vide letter NO : SEIAA/GUJ/EC/1(a)/4062/2015 for correction in the name of mineral as "**Quartz**" and shall be read as below to **SEIAA**.

Sr. No.	Name of applicant	Lease Area and type	Name of Mineral	Survey NO	Village	Taluka	District	Rate of mining
1	PMP System Inc. (Nilesh P.Prajapati)	10.00.00 Ha New	Quartz	105p	Kakchiya	Lunawada	Mahisagar	5000 MTPM

(7). Black trap mining Project, Dist.: Bhavnagar

Sr. No.	Name of applicant	Lease Area and type	Survey NO	Village	Taluka	District	Rate of mining
1	New Path Stone Crusher	01.39.74 Ha Existing	S.NO: 123/1paiki	Bhutiya	Palitana	Bhavnagar	1500 MTPM

Environmental Clearance for the above proposal was issued on 06/06/2015 vide letter No. SEIAA/GUJ/EC/1(a)/2206/2015. Project proponent has submitted an application on 25/01/2016 for correction in rate of mining of the project mentioned in the EC.

Project proponent has mentioned that in application comprising Form 1, applicant has mentioned that actual rate of mining is "**100,000 MTPA**" whereas in EC, it is mentioned as "**1500 MTPM**".

Referring the application made in Form I by the applicant, committee noticed that typographical error has inadvertently been made. After deliberation, committee decided to recommend amendment in Environmental Clearance order issued on 06/06/2015 vide letter NO : SEIAA/GUJ/EC/1(a)/2206/2015 for correction in rate of mining as "**100,000 MTPA**" and shall be read as below to **SEIAA**.

Sr. No.	Name of applicant	Lease Area and type	Survey NO	Village	Taluka	District	Rate of mining
1	New Path	01.39.74 Ha	S.NO:	Bhutiya	Palitana	Bhavnagar	100,000

	Stone Crusher	Existing	123/ 1paiki				MTPA
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(8). Silica Sand Mining Project, Dist.: Sabarkantha

Sr. No.	Name of applicant	Lease Area and type	Survey NO	Village	Taluka	District	Rate of mining
1	Alimiya Imamali	04.90.00 Ha Existing	S.NO: 1612,1644p	Ilol	Himmat nagar	Sabarkantha	240 MT/M

Environmental Clearance for the above proposal was issued on 30/01/2016 vide letter No. SEIAA/GUJ/EC/1(a)/110/2016. Project proponent has submitted an application on 04/03/2016 for correction in address and rate of mining of the project mentioned in the EC.

Project proponent has mentioned that in application comprising Form 1, he has mentioned that actual rate of mining is "**60,000 MTPA**" whereas in EC, it is mentioned as "**240 MTPM**". He further mentioned that in Form 1, Survey Nos mentioned is "**1644 P**" whereas in EC it is mentioned as "**1612,1644 P**".

Referring the application made in Form I by the applicant, committee noticed that typographical error has inadvertently been made. After deliberation, committee decided to recommend amendment in Environmental Clearance order issued on 30/01/2016 vide letter NO : SEIAA/GUJ/EC/1(a)/110/2016 for correction in rate of mining as "**60,000 MTPA**" and Survey number in address as "**1644 P**" and shall be read as below to **SEIAA**.

Sr. No.	Name of applicant	Lease Area and type	Survey NO	Village	Taluka	District	Rate of mining
1	Alimiya Imamali	04.90.00 Ha Existing	S.NO: 1644 P	Ilol	Himmat nagar	Sabarkantha	60,000 MTPA

(9). Building Lime Stone Mining Project, Dist.: Gir Somnath

Sr. No.	Name of applicant	Lease Area and type	Survey NO	Village	Taluka	District	Rate of mining	Distance of the nearest town/city
1	Lakhmanbhai Jadavbhai Ram & Kanubhai Bhayabhai Chauhan	01.00.00 Ha Existing	72/P-1	Vavarda	Una	Gir Somnath	24000 MTPA	Vavarda:0.75 km

Environmental Clearance for the above proposal was issued on 14/10/2015 vide letter No. SEIAA/GUJ/EC/1(a)/3821/2015. Project proponent has submitted an

application on 05/03/2016 for correction in address of the project mentioned in the EC.

Project proponent has mentioned that in application comprising Form 1, he has mentioned that in Form 1, Survey No mentioned is "**40/P-1**" whereas in EC it is mentioned as "**72/P-1**".

Referring the application made in Form I by the applicant, committee noticed that typographical error has inadvertently been made. After deliberation, committee decided to recommend amendment in Environmental Clearance order issued on 14/10/2015 vide letter NO : SEIAA/GUJ/EC/1(a)/3821/2015 for correction in Survey number in address as "**40/P-1**" and shall be read as below to **SEIAA**.

Sr. No.	Name of applicant	Lease Area and type	Survey NO	Village	Taluka	District	Rate of mining	Distance of the nearest town/city
1	Lakhmanbhai Jadavbhai Ram & Kanubhai Bhayabhai Chauhan	01.00.00 Ha Existing	40/P-1	Vavarda	Una	Gir Somnath	24000 MTPA	Vavarda:0.75 km

(10). Building Lime Stone Mining Project, Dist.: Porbandar

Sr. No.	Name of applicant	Lease Area and type	Survey NO	Village	Taluka	District	Rate of mining	Distance of the nearest town/city
1	Meramanbhai Arjanbhai Odedra	01.00.00 Ha New	S NO:128/3P, 128/4P	Pata	Porbandar	Porbandar	1,80,000 MTPA	Pata:1.85 km

Environmental Clearance for the above proposal was issued on 26/08/2015 vide letter No. SEIAA/GUJ/EC/1(a)/3375/2015. Project proponent has submitted an application on 08/03/2016 for correction in address of the project and rate of mining mentioned in the EC.

Project proponent has mentioned that in application comprising Form 1, he has mentioned that in Form 1, Survey No mentioned is "**127/3P,127/4P**" whereas in EC it is mentioned as "**128/3P,128/4P**". **For rate of mining, in Form 1, it is mentioned as "18000 MTPA" whereas in EC it is mentioned as "1,80,000 MTPA".**

Referring the application made in Form I by the applicant, committee noticed that typographical error has inadvertently been made. After deliberation, committee decided to recommend amendment in Environmental Clearance order issued on 26/08/2015 vide letter NO : SEIAA/GUJ/EC/1(a)/3375/2015 for correction in Survey number in address as "**127/3P,127/4P**" and shall be read as below to **SEIAA**.

Sr. No.	Name of applicant	Lease Area and	Survey NO	Village	Taluka	District	Rate of	Distance of the
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		type					mining	nearest town/city
1	Meramanbhai Arjanbhai Odedra	01.00.00 Ha New	SNO: 127/3P, 127/4P	Pata	Porbandar	Porbandar	18,000 MTPA	Pata:1.85 km

The meeting was concluded with thanks to the chair.

1. Shri T.P. Singh, Chairman, SEAC.
2. Shri V.C.Soni, Vice Chairman, SEAC
3. Dr. V.K. Jain, Member, SEAC
4. Shri V. N. Patel, Member, SEAC
5. Shri R.J. Shah, Member, SEAC