

**MINUTES OF THE 305<sup>th</sup> MEETING OF THE STATE LEVEL EXPERT APPRAISAL COMMITTEE HELD ON 14/09/2016 AT COMMITTEE ROOM, GUJARAT POLLUTION CONTROL BOARD, GANDHINAGAR.**

The 305<sup>th</sup> meeting of the State Level Expert Appraisal Committee (SEAC) was held on 14<sup>th</sup> September 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. Mayuri Pandya, Member, SEAC
4. Dr. V.K.Jain, Member, SEAC
5. Shri R.J.Shah, Member, SEAC

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

1. Shri R.R.Bukhari, Royalty Inspector, Dist: Tapi
2. Shri Mann Chaudhry, Geological Assistant, Dist: Kutch
3. Shri M.B.Shah, Royalty Inspector, Dist: Chota Udepur

Sr.	District	Ordinary Clay	Marble	River bed Sand	Black trap	China Clay	Quartz	Chalk	Total
1	Ahmedabad	1	-	-	-	-	-	-	1
2	Banaskantha	--	3	-	-	-	-	-	3
3	Chotaudepur	-	-	3	-	-	-	-	3
4	Kheda	-	-	-	1	-	-	-	1
5	Mehsana	-	-	-	-	2	-	-	2
6	Panchmahal	-	-	-	-	-	1	--	1
7	Porbandar	-	-	-	-	-	-	1	1
8	Sabarkantha	-	-	-	-	1	-	-	1
9	Tapi	-	-	6	-	-	-	-	6
		1	3	9	1	3	1	1	19

All the above proposals of minor minerals which have been received by the Committee through the project proponent were taken up in the meeting.

## 1. ORDINARY CLAY MINING PROJECT, DIST: AHMEDABAD

Sr. no.	Proposal No.	Project Name	S NO	Vill, Taluka	District	Hectare	Rate of mining	Nearest Habitation	Proposed Use
1	SIA/GJ/MIN/57547/2016	Simran Bricks	332,336,337,338,339	Vill: Chiyada, Ta: Bavla	Ahmedabad	-06-70-30 Existing	1500 MTPM	Kerala: 1.59 km	Construction

Shri Rashidkhan Pathan, Project proponent represented the above proposal before the committee. He mentioned that above proposal does not include blasting and mineral will be removed through open cast mining. Proposal does 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. PP informed that Mining plan is submitted to the office of geology and Mining department, Ahmedabad for approval. A copy of mining plan is submitted along with application. Project details submitted by the geologist shows there is no applicability of cluster situation to the above lease. The above proposal was categorized as B2 as per the amended EIA Notification 2016.

After discussion and detailed scrutiny of the above proposals, considering the mitigation measures proposed by the lease holder, the committee unanimously decided to recommend above proposal for grant of environmental clearance to SEIAA with stipulation of standard conditions for Sand mining as approved in 232<sup>nd</sup> SEAC meeting held on 15<sup>th</sup> April 2015 with specific conditions mentioned in Office Memorandum of MoEF&CC, New Delhi dated 24<sup>th</sup> 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.

## 2. MARBLE STONE MINING PROJECT, DIST: BANASKANTHA

Sr. no.	Proposal No.	Project Name	S NO	Vill, Taluka	Hectare	Rate of mining	Nearest Habitation	Proposed Use
2	SIA/GJ/MIN/56994/2016	D K Trivedi And Sons	57,58,59/1	Vill:Zarivav Ta:Danta	15-12-41 Ha Existing	5,02,076 MTPA	Ambaji town: 2.5 km	Construction

Shri Sunil Dixit, EIA Consultant, J.M.InfraNet Pvt. Limited along with project proponent of D.K.Trivedi and Sons remained present before the committee. He informed that aforementioned proposal is existing. No blasting is required as marble blocks will be excavated by drill machine. Undertaking is submitted by the aforementioned lease holder that waste generated during cutting of marble will not be thrown outside the lease area. He further mentioned that nearest residence from the above lease is located more than 500 meters. It was also noticed that the above project does not involve intersection of ground water table. It was presented that arrangement of water sprinkling will be done during cutting for control of fugitive emission.

It is mentioned that the above proposal falls within 5 km radius from the interstate border of Rajasthan however as per the amended notification of MOEF&CC, New Delhi dated 15/01/2016 and 01/07/2016, general conditions are not applicable to the aforementioned proposal. PP further informed that above proposal is accorded before 09/09/2013 and hence there is no applicability of cluster situation.

The above proposal was categorized as B2 as per the amended EIA Notification 2016.

PP mentioned that environmental management plan, approved mining plan are submitted and all the conditions mentioned therein will be followed. No court case is pending against the project

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

### 3. MARBLE STONE MINING PROJECT, DIST: BANASKANTHA

Sr. no.	Proposal No.	Project Name	S NO	Vill, Taluka	Hectare	Rate of mining	Nearest Habitation	Proposed Use
3	SIA/GJ/MIN/57029/2016	Ambaji Minerals	9	Vill: Khokharbilli Ta: Danta	9-10 Ha Existing	2,00,200 MTPA	Ambaji town: 3.5 km	Construction

Shri Sunil Dixit, EIA Consultant, J.M.InfraNet Pvt. Limited along with project proponent of Ambaji Minerals Shri C.S.Mehta remained present before the committee. He informed that aforementioned proposal is existing. No blasting is required as marble blocks will be excavated by drill machine. Undertaking is submitted by the aforementioned lease holder that waste generated during cutting of marble will not be thrown outside the lease area. He further mentioned that nearest residence from the above lease is located more than 500 meters. It was also noticed that the above project does not involve intersection of ground water table. It was presented that arrangement of water sprinkling will be done during cutting for control of fugitive emission.

It is mentioned that the above proposal falls within 5 km radius from the interstate border of Rajasthan however as per the amended notification of MOEF&CC, New Delhi dated 15/01/2016 and 01/07/2016, general conditions are not applicable to the aforementioned proposal. PP further informed that above proposal is accorded before 09/09/2013 and hence there is no applicability of cluster situation.

PP mentioned that environmental management plan, approved mining plan are submitted and all the conditions mentioned therein will be followed. No court case is pending against the project. The above proposal was categorized as B2 as per the amended EIA Notification 2016.

After discussion and detailed scrutiny of the above proposals, considering the mitigation measures proposed by the lease holder, the committee unanimously decided to recommend above proposal for grant of environmental clearance to SEIAA with stipulation of standard conditions for Non-Sand mining as approved in 232<sup>nd</sup> SEAC meeting held on 15<sup>th</sup> April 2015.

#### 4. MARBLE STONE MINING PROJECT, DIST: BANASKANTHA

Sr. no.	Proposal No.	Project Name	S NO	Vill, Taluka	Hectare	Rate of mining	Nearest Habitation	Proposed Use
4	SIA/GJ/MIN/57038/2016	Vipul Marble	62	Vill: Koteswar Ta: Danta	10-00 Ha Existing	9,90,920 MTPA	Ambaji town: 2.5 km	Construction

Shri Sunil Dixit, EIA Consultant, J.M.InfraNet Pvt. Limited along with project proponent Shri Gopal Modi of Vipul marble remained present before the committee. He informed that aforementioned proposal is existing. No blasting is required as marble blocks will be excavated by drill machine. Undertaking is submitted by the aforementioned lease holder that waste generated during cutting of marble will not be thrown outside the lease area. He further mentioned that nearest residence from the above lease is located more than 500 meters. It was also noticed that the above project does not involve intersection of ground water table. It was presented that arrangement of water sprinkling will be done during cutting for control of fugitive emission.

It is mentioned that the above proposal falls within 5 km radius from the interstate border of Rajasthan however as per the amended notification of MOEF&CC, New Delhi dated 15/01/2016 and 01/07/2016, general conditions are not applicable to the aforementioned proposal. PP further informed that all the above proposal is accorded before 09/09/2013 and hence there is no applicability of cluster situation.

PP mentioned that environmental management plan, mining plan (under approval of office of the geology and Mining, Banaskantha) are submitted and all the conditions mentioned therein will be followed. No court case is pending against the project. The above proposal was categorized as B2 as per the amended EIA Notification 2016.

After discussion and detailed scrutiny of the above proposals, considering the mitigation measures proposed by the lease holder, the committee unanimously decided to recommend above proposal for grant of environmental clearance to SEIAA with stipulation of standard conditions for Non-Sand mining as approved in 232<sup>nd</sup> SEAC meeting held on 15<sup>th</sup> April 2015.

#### 5. SAND MINING PROJECT, DIST: CHHOTAUDEPUR

Sr. No.	Proposal No.	Project Name	Sr. No. Village/Taluka /Dist.	Area in Hectare	Rate of Mining	Name of River	Distance of Nearest habitation	Proposed Use
5	SIA/GJ/MIN/57433/2016	Dineshbhai Shantilal Oad	lagu S NO: 381,394,395,396, Vill:Ratanpur, Ta:Jetpurpavi,Dist :Chotaudepur	06-39-52 New	96,500 MTPA	Orsang	Sithol:0.98 km	Construction

Shri M. B.Shah, Royalty Inspector, Dist: Chotaudepur represented above proposal before the committee. He informed that there is no bridge piers / water intake wells / irrigation structures within 500 m distance from boundary of above lease area. He explained that sand excavation will be done up to maximum 3 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. PP informed that setback distance of 20 meter will be maintained from the river bank to prevent bank erosion.

PP further mentioned that copies of approved mining plan, environment management plan (EMP), prefeasibility report, and details regarding non applicability of cluster formation for homogeneous minerals are submitted. The above proposal was categorized as B2 as per the amended EIA Notification 2016.

Considering the anticipated impacts of mining and mitigation measures proposed by the lease holder, committee unanimously decided to recommend the proposal for grant of environmental clearance to SEIAA with stipulation of standard conditions for Sand mining as approved in 232<sup>nd</sup> SEAC meeting held on 15<sup>th</sup> April 2015 with compliance of all the conditions mentioned in Sustainable sand mining management guidelines 2016 of MOEF&CC, New Delhi.

#### 6. SAND MINING PROJECT, DIST: CHHOTAUDEPUR

Sr. No.	Proposal No.	Project Name	Sr. No. Village/Taluka /Dist.	Area in Hectare	Rate of Mining	Name of River	Distance of Nearest habitation	
6	SIA/GJ/MIN/56446/2016	Shri Somaji Naraji Vanzara	Adjacent to S O: 284 A, Vill:Jabugam, Ta: Jetpurpavi,	10.00 Existing	52000 MTPM	Orsang	Jabugam:2.5 km	

Shri M. B.Shah, Royalty Inspector, Dist: Chotaudepur represented above proposal before the committee. He informed that there is no bridge piers / water intake wells / irrigation structures within 500 m distance from boundary of above lease area. He explained that sand excavation will be done up to maximum 3 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. PP informed that setback distance of 20 meter will be maintained from the river bank to prevent bank erosion.

PP further mentioned that copies of mining plan (submitted for approval to office of geology and Mining, Dist: Chotaudepur), environment management plan (EMP),

prefeasibility report, and details regarding non applicability of cluster formation for homogeneous minerals are submitted.

Committee asked Royalty Inspector, Dist: Chotaudepur regarding status of district survey report (DSR) prepared for sand mining to which he informed that it is yet not prepared. Committee asked royalty insoetor to prepare district survey report at the earliest as per the amendment of EIA Notification of MOEF&CC dated 15/01/2016. The above proposal was categorized as B2 as per the amended EIA Notification 2016.

After deliberation and considering the anticipated impacts of mining and mitigation measures proposed by the lease holder, committee unanimously decided to recommend the proposal for grant of environmental clearance to SEIAA with stipulation of standard conditions for Sand mining as approved in 232<sup>nd</sup> SEAC meeting held on 15<sup>th</sup> April 2015 with compliance of all the conditions mentioned in Sustainable sand mining management guidelines 2016 of MOEF&CC, New Delhi.

#### 7. SAND MINING PROJECT, DIST: CHHOTAUDEPUR

Sr. No.	Proposal No.	Project Name	Sr. No. Village/Taluka /Dist.	Area in Hectare	Rate of Mining	Name of River	Distance of Nearest habitation
7	SIA/GJ/MIN/50791/2016	Shri Sardarji Naraji Vanzara	Adjacent to S O: 21,25 to 29, Vill: Alhadpura, Ta: sankheda,	10.00 Existing	47000 MTPM	Orsang	Dhokaliya:0.60 km

Shri M. B. Shah, Royalty Inspector, Dist: Chotaudepur represented above proposal before the committee. He informed that there is no bridge piers / water intake wells / irrigation structures within 500 m distance from boundary of above lease area. He explained that sand excavation will be done up to maximum 3 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. PP informed that setback distance of 20 meter will be maintained from the river bank to prevent bank erosion.

PP further mentioned that copies of mining plan (submitted for approval to office of geology and Mining, Dist: Chotaudepur), environment management plan (EMP), prefeasibility report, and details regarding non applicability of cluster formation for homogeneous minerals are submitted. The above proposal was categorized as B2 as per the amended EIA Notification 2016.

After deliberation and considering the anticipated impacts of mining and mitigation measures proposed by the lease holder, committee unanimously decided to recommend the proposal for grant of environmental clearance to SEIAA with stipulation of standard conditions for Sand mining as approved in 232<sup>nd</sup> SEAC meeting held on 15<sup>th</sup> April 2015 with compliance of all the conditions mentioned in Sustainable sand mining management guidelines 2016 of MOEF&CC, New Delhi.

#### 8. BLACK TRAP MINING PROJECT, DIST: KHEDA

Sr. No.	Proposal No.	Project Name	Sr. No. Village/Taluka /Dist.	Area in Hectare	Rate of Mining	Distance of Nearest habitation
8	SIA/GJ/MIN /16743/20 16	J.J. Patel Infrastructure & Engineering Private Limited	362 paiki Vill: Danadara Ta:Kapadwanj Dist:Kheda	39.86.79 Ha. Existing since 2008	1,50,000 MTPM MTPM	Danadara: 2.28 km

The above proposal is amalgamation of seven leases and it is sanctioned by the office of geology and mining, Dist; Kheda vide letter no: AGK/QL/Ekatrikaran/227 dated 5 February 2014.

Project proponent applied for EC in prescribed Form 1 along with other necessary documents. The proposal was scheduled during SEAC meeting held on 20/05/2015. During meeting, as lease area is greater than 25 Hectare, committee unanimously decided to categorize the proposal under B1 category and stipulated TOR for preparation of EIA covering 10 km area of study in periphery of the aforementioned lease.

PP conducted public hearing on 10/06/2016 and submitted final EIA report on 20/07/2016.

During SEAC meeting, committee referred the minute of meeting of public hearing proceedings and asked point-wise clarification committed by the project proponent.

Committee noted that some of the points are not addressed properly by the Project proponent. Hence before appraising the project, committee asked PP to resubmit reply addressing each of the point raised by the public during public hearing and decided that upon submission of the details, proposal will be considered in one of the upcoming SEAC meeting.

#### 9 & 10. CHINA CLAY MINING PROJECT, DIST: MEHSANA

9.	SIA/GJ/MIN/16704/2016	Amrapali Chinaclay Mining & Development Corporation	41-42-00	Mehsana	Chinaclay
10	SIA/GJ/MIN/16706/2016	Oriental Prospecting Company	26-50-68	Mehsana	Chinaclay



Project proponents /Geologist /RQP remained absent to represent the above proposals before the committee. Hence, it was decided to defer the above proposals in one of the up coming SEAC meeting for consideration.

#### 11. QUARTZ MINING PROJECT, DIST: PANCHMAHAL

11	SIA/GJ/MIN/42089/2016	Shri Roshanali Mohmedali Valikarimwala	5-91-86	Panchmahal	Quartz
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Project proponent /Geologist /RQP remained absent to represent the above proposal before the committee. Hence, it was decided to defer the above proposal in one of the up coming SEAC meeting for consideration.

#### 12. CHALK MINING PROJECT, DIST: PORBANDAR

Sr. no.	Proposal No.	Project Name	S NO	Address	Hectare	Rate of mining	Nearest Habitati on	Proposed use
12	SIA/GJ/MIN/53169/2016	Shree Ashok H. Thanki	7/P and 9/P	Vill: Virpur, Ta:Ranava v, Dist:Porbandar	18.3040 Ha Existing (Govt. waste land)	2350 MTP A	Virpur: 1 km	Filler in rubber, paints and ingredient in putty

During SEAC meeting held on 01/06/2016, Project proponent represented that application for EC is made on 10/05/2016. Project proponent has submitted approved mining plan. He informed the committee that mining will be a shallow and not obstructing surface run off and there will be no diversion of surface run off. There will be no creation of waste dump in present mining. Stone after lavigation will be back filled in mined out pits and levelled. Chalk will be excavated manually by pick axes and JCB excavators. As there is negligible soil cover, soil contamination will not be there. The overburden i.e. topsoil, generated will be used to back fill mined out pit. The open voids will be properly barricaded to prevent casualty. Waste will be temporary stored near to levigation site and after completion of operation, the reject or waste will be dumped into mined out area. All the trucks will be covered to prevent fugitive emission. Regular water sprinkling on haulage roads will be carried out during transportation of material by water sprinklers. Water requirement of 10.0 KLD for the proposed project activity will be met by water tankers supply from nearby village source. Tube well outside the lease area will provide the water for drinking purposes. Accumulated rainwater in mined out pits will be used for sprinkling on haul roads for dust suppression and mineral levigation. There will be no intersection of ground water table as mining depth is maintained above water table. The fencing will be provided surrounding to the mined out pits to prevent casualty.

The above proposal was categorized as B2 as per the amended EIA Notification 2016. After presentation, committee asked Project proponent to submit the details regarding formation of cluster of homogenous mineral. During meeting, committee noted that the lease is issued to PP on 21/05/1993 and hence vide amendment in EIA Notification dated 01/07/2016, applicability of cluster does not exist for the above proposal.

After deliberation and considering the anticipated impacts of mining and mitigation measures proposed by the lease holder, committee unanimously decided to recommend the proposal for grant of environmental clearance to SEIAA with stipulation of standard conditions for Non Sand mining as approved in 232<sup>nd</sup> SEAC meeting held on 15<sup>th</sup> April 2015 with compliance of all the commitments, conditions mentioned in approved mining plan.

### 13. CHINA CLAY MINING PROJECT, DIST: SABARKANTHA

Sr.No.	Proposal No.	Project Name	District	Hectare
13	SIA/GJ/MIN/52393/2016	Unific Enterprise	Sabarkantha	16-53-00

For the above proposal, Project proponent /Geologist /RQP remained absent to represent the above proposal before the committee. Hence, it was decided to defer the proposal in one of the up coming SEAC meeting for consideration.

### 14. RIVER BED SAND MINING PROJECT, DIST: TAPI

Sr. No.	Proposal No.	Project Name	S NO	Vill, Taluka	Hectare	Rate of mining	Name of River	Nearest Habitation	Proposal use
14	SIA/GJ/MIN/58713/2016	Alpeshkumar Babubhai Panchal	Tapi river patt, opp. survey No: 01 to 09	Vill: Chorgav Ta: Nizar Dist: Tapi	10.00 Ha New	62,500 MTPM	Tapi	Chorgav: 0.6 km	Construction

Shri R.R. Bukhari, Royalty Inspector, office of Geology and Mining, Dist: Tapi and Shri Alpeshkumar B. Panchal, Project Proponent (PP) remained present to represent above proposal before the committee. Royalty inspector informed that there is no bridge piers / water intake wells / irrigation structures within 500 m distance from boundary of above lease area. He explained that sand excavation will be done up to maximum 3 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. PP informed that setback distance of 10 meter will be maintained from the river bank to prevent bank erosion.

PP further mentioned that copies of approved mining plan, prefeasibility report including mitigation measures to curb pollution and details regarding non applicability of cluster formation for homogeneous minerals.

In project details, Asst. geologist has validated that there is no instream mining and lease area remains dry except during monsoon season

Committee asked Royalty Inspector, Dist: Tapi regarding status of district survey report (DSR) prepared for sand mining to which he informed that it is yet not prepared. Committee asked royalty inspector to prepare district survey report at the earliest as per the amendment of EIA Notification of MOEF&CC dated 15/01/2016. The above proposal was categorized as B2 as per the amended EIA Notification 2016.

Considering the anticipated impacts of mining and mitigation measures proposed by the lease holder, committee unanimously decided to recommend the proposal for grant of environmental clearance to SEIAA with stipulation of standard conditions for Sand mining as approved in 232<sup>nd</sup> SEAC meeting held on 15<sup>th</sup> April 2015 with compliance of all the conditions mentioned in Sustainable sand mining management guidelines 2016 of MOEF&CC, New Delhi.

#### 15. RIVER BED SAND MINING PROJECT, DIST: TAPI

Sr. No.	Proposal No.	Project Name	S NO	Vill, Taluka	Hectare	Rate of mining	Name of River	Nearest Habitation	Proposal use
15	SIA/GJ/MIN/58446/2016	Alpeshkumar Babubhai Panchal	Tapi river bed at survey No: 08 to 15	Vill: Bahupura Ta: Nizar Dist: Tapi	10.00 Ha New	62,500 MTPM	Tapi	Bahupura : 2.80 km	Construction

Shri R.R. Bukhari, Royalty Inspector, office of Geology and Mining, Dist: Tapi and Shri Alpeshkumar B. Panchal, Project Proponent (PP) remained present to represent above proposal before the committee. Royalty inspector informed that there is no bridge piers / water intake wells / irrigation structures within 500 m distance from boundary of above lease area. He explained that sand excavation will be done up to maximum 3 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. PP informed that setback distance of 10 meter will be maintained from the river bank to prevent bank erosion.

PP further mentioned that copies of approved mining plan, prefeasibility report including mitigation measures to curb pollution and details regarding non applicability of cluster formation for homogeneous minerals.

In project details, Asst. geologist has validated that there is no instream mining and lease area remains dry except during monsoon season

The above proposal was categorized as B2 as per the amended EIA Notification 2016. Considering the anticipated impacts of mining and mitigation measures proposed by the lease holder, committee unanimously decided to recommend the proposal for grant of environmental clearance to SEIAA with stipulation of standard conditions for Sand mining as approved in 232<sup>nd</sup> SEAC meeting held on 15<sup>th</sup> April 2015 with compliance of all the conditions mentioned in Sustainable sand mining management guidelines 2016 of MOEF&CC, New Delhi.

#### 16. RIVER BED SAND MINING PROJECT, DIST: TAPI

Sr. No.	Proposal No.	Project Name	S NO	Vill, Taluka	Hectare	Rate of mining	Name of River	Nearest Habitation	Proposal use
16	SIA/GJ/MIN/58452/2016	Alpeshkumar Babubhai Panchal	Tapi river patt paiki at adjoining S NO: 144 to 152	Vill:Kothali Ta:Nizar Dist:Tapi	08-70 Ha New	54,400 MTPM	Tapi	Kothali : 2.50 km	Construction

Shri R.R.Bukhari, Royalty Inspector, office of Geology and Mining, Dist:Tapi and Shri Alpeshkumar B. Panchal, Project Proponent (PP) remained present to represent above proposal before the committee. Royalty inspector informed that there is no bridge piers / water intake wells / irrigation structures within 500 m distance from boundary of above lease area. He explained that sand excavation will be done up to maximum 3 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. PP informed that setback distance of 10 meter will be maintained from the river bank to prevent bank erosion.

PP further mentioned that copies of approved mining plan, prefeasibility report including mitigation measures to curb pollution and details regarding non applicability of cluster formation for homogeneous minerals validated by the Asst. geologist are submitted.

In project details, Asst. geologist has validated that there is no instream mining and lease area remains dry except during monsoon season

Considering the anticipated impacts of mining and mitigation measures proposed by the lease holder, committee unanimously decided to recommend the proposal for grant of environmental clearance to SEIAA with stipulation of standard conditions for Sand mining as approved in 232<sup>nd</sup> SEAC meeting held on 15<sup>th</sup> April 2015 with compliance of all the conditions mentioned in Sustainable sand mining management guidelines 2016 of MOEF&CC, New Delhi.

### 17. & 20. RIVER BED SAND MINING PROJECT, DIST: TAPI

Sr. No.	Proposal No.	Project Name	S NO	Vill, Taluka	Hectare	Rate of mining	Name of River	Nearest Habitation	Proposal use
17 & 20	SIA/GJ/MIN/58451/2016 & SIA/GJ/MIN/57395/2016	Alpeshkumar Babubhai Panchal	Tapi river patt paiki opp to S NO: 5 & 6	Vill: Ashravaa Ta: Kakrmun da Dist: Tapi	10-00 Ha New	62,500 MTPM	Tapi	Ashravaa : 0.80 km	Construction

Shri R.R. Bukhari, Royalty Inspector, office of Geology and Mining, Dist: Tapi and Shri Alpeshkumar B. Panchal, Project Proponent (PP) remained present to represent above proposals before the committee. Royalty inspector informed that proposal Nos: SIA/GJ/MIN/58451/2016 and SIA/GJ/MIN/57395/2016 are identical. He further informed that there is no bridge piers / water intake wells / irrigation structures within 500 m distance from boundary of above lease area. He explained that sand excavation will be done up to maximum 3 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. PP informed that setback distance of 10 meter will be maintained from the river bank to prevent bank erosion.

PP further mentioned that copies of approved mining plan, prefeasibility report including mitigation measures to curb pollution and details regarding non applicability of cluster formation for homogeneous minerals validated by the Asst. geologist are submitted.

In project details, Asst. geologist has validated that there is no instream mining and lease area remains dry except during monsoon season

The above proposal was categorized as B2 as per the amended EIA Notification 2016. Considering the anticipated impacts of mining and mitigation measures proposed by the lease holder, committee unanimously decided to recommend the proposal for grant of environmental clearance to SEIAA with stipulation of standard conditions for Sand mining as approved in 232<sup>nd</sup> SEAC meeting held on 15<sup>th</sup> April 2015 with compliance of all the conditions mentioned in Sustainable sand mining management guidelines 2016 of MOEF&CC, New Delhi.

### 18. RIVER BED SAND MINING PROJECT, DIST: TAPI

Sr. No.	Proposal No.	Project Name	S NO	Vill, Taluka	Hectare	Rate of mining	Name of River	Nearest Habitation	Proposal use
18.	SIA/GJ/MIN/58449/2016	Alpeshkumar Babubhai Panchal	Tapi river patt paiki at adjoining	Vill: Gorasa Ta: Kukarmun da Dist: Tapi	09-66-92 Ha New	60,400 MTPM	Tapi	Gorasa: 0.70 km	Construction

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Shri R.R.Bukhari, Royalty Inspector, office of Geology and Mining, Dist:Tapi and Shri Alpeshkumar B. Panchal, Project Proponent (PP) remained present to represent above proposal before the committee. Royalty inspector informed that there is no bridge piers / water intake wells / irrigation structures within 500 m distance from boundary of above lease area. He explained that sand excavation will be done up to maximum 3 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. PP informed that setback distance of 10 meter will be maintained from the river bank to prevent bank erosion.

PP further mentioned that copies of approved mining plan, prefeasibility report including mitigation measures to curb pollution and details regarding non applicability of cluster formation for homogeneous minerals validated by the Asst. geologist are submitted.

In project details, Asst. geologist has validated that there is no instream mining and lease area remains dry except during monsoon season

The above proposal was categorized as B2 as per the amended EIA Notification 2016.

Considering the anticipated impacts of mining and mitigation measures proposed by the lease holder, committee unanimously decided to recommend the proposal for grant of environmental clearance to SEIAA with stipulation of standard conditions for Sand mining as approved in 232<sup>nd</sup> SEAC meeting held on 15<sup>th</sup> April 2015 with compliance of all the conditions mentioned in Sustainable sand mining management guidelines 2016 of MOEF&CC, New Delhi.

#### **19. RIVER BED SAND MINING PROJECT, DIST: TAPI**

Sr. No.	Proposal No.	Project Name	S NO	Vill, Taluka	Hectare	Rate of mining	Name of River	Nearest Habitation	Proposal use
19	SIA/GJ/MIN/48663/2016	Dhruv Stone Quarry	Opp S NO: 192, Block: A	Vill: Chinchoda Ta: Nizar	06-00 Ha	4,93,20 0 MTPA	Tapi	Chinchoda: 1.30 km	Construction

Shri R.R.Bukhari, Royalty Inspector, office of Geology and Mining, Dist:Tapi informed that there is no bridge piers / water intake wells / irrigation structures within 500 m distance from boundary of above lease area. He explained that sand excavation will be done up to maximum 3 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. PP informed that setback distance of 10 meter will be maintained from the river bank to prevent bank erosion. PP further mentioned that copy of mining plan is submitted to

the office of the geology and Mining, dist: Tapi for approval. Also copy of prefeasibility report including mitigation measures to curb pollution and details regarding non applicability of cluster formation for homogeneous minerals validated by the Asst. geologist are submitted.

PP mentioned that district collector has cancelled their lease and they are going for appeal PP requested committee to defer their EC application to upcoming meeting. After deliberation, committee decided to defer the proposal in one of the upcoming SEAC meeting and asked PP to submit ownership of the aforementioned quarry lease.

## **PROPOSALS OF MAJOR MINERALS**

### **1. Ranavav Limestone Mine (Lease area: 12.14 Ha), S NO: 78/5, Near Village: Ranavav, Ta: Ranavav, Dist: Porbandar.**

Sr. no.	Proposal No.	Project Name	S NO	Vill,Taluka	Hectare	Rate of mining	Nearest Habitation
1	SIA/GJ/MIN /16707/2016	Ranavav Limestone Mine	78/5	Vill:Ranavav Ta:Ranavav	12-14	1,28,000 MTPA	Ranavav: 2 km

The project proponent has applied for their new limestone mine located at above mentioned address. The mine lease area is 12.14 Ha and proposed rate of mining is 1,28,000 MTPA. Technical presentation was made by the PP. During presentation, it was noted by the committee that proposed lease area falls within 5 km of Barda wildlife sanctuary.

Referring Notification of MOEF dated 25 June 2014, it was observed by the committee that since above proposal is located within 5 KM distance from Barda Wildlife Sanctuary, general conditions are applicable and therefore the above project falls under category A and is not coming under the purview of SEAC. Being category A project, Committee advised project proponent to approach Environmental Appraisal Committee at MOEF&CC, New Delhi for obtaining Environmental Clearance.

### **2. Ranavav Limestone Mine (Lease area: 12.14 Ha), S NO: 78/5, Near Village: Ranavav, Ta: Ranavav, Dist: Porbandar.**

Sr. no.	Proposal No.	Project Name	S NO	Vill,Taluka	Hectare	Rate of mining	Nearest Habitation
2	SIA/GJ/MIN /16774/2016	Ranavav Limestone Mine	78/5	Vill:Ranavav Ta:Ranavav	11-33	1,20,000 MTPA	Ranavav: 2 km

The project proponent has applied for their new limestone mine located at above mentioned address. The mine lease area is 11.33 Ha and proposed rate of mining is

1,20,000 MTPA. Technical presentation was made by the PP. During presentation, it was noted by the committee that proposed lease area falls within 5 km of Barda wildlife sanctuary.

Referring Notification of MOEF dated 25 June 2014, it was observed by the committee that since above proposal is located within 5 KM distance from Barda Wildlife Sanctuary, general conditions are applicable and therefore the above project falls under category A and is not coming under the purview of SEAC. Being category A project, Committee advised project proponent to approach Environmental Appraisal Committee at MOEF&CC, New Delhi for obtaining Environmental Clearance.

**3. Limestone Mine of Shree Babhubhai Kalabhai Vaja (Lease area: 01.00 Ha), S NO: 397 paiki,Village: Khorasa, Ta: Malia-Hatina, Dist: Junagadh.**

Sr. no.	Proposal No.	Project Name	S NO	Vill,Taluka	Hectare	Rate of mining	Nearest Habitation
3	SIA/GJ/MIN /33799/2016	Limestone Mine of Shree Babhubhai Kalabhai Vaja	397	Vill:Khorasa Ta:Malia-Hatina	01-00 Ha	1,00,000 MTPA	Khorasa: 1.40 m

During meeting for the above proposal no: SIA/GJ/MIN/33799/2016, PP submitted a letter for withdrawal of EC application. Committee acknowledged the request of PP and unanimously decided to close the proposal and delist from pending application list of SEAC.

**4. Dari Limestone Mine ( Lease Area: 6.4734 Ha), S NO: 523/P,Village: Dari, Ta:Veraval, Dist: Gir Somnath.( Proposal NO: SIA/GJ/MIN/34003/2016).**

Sr. no.	Proposal No.	Project Name	S NO	Vill,Taluka	Hectare	Rate of mining	Nearest Habitation
4	SIA/GJ/MIN /34003/2016	Dari Limestone Mine	S NO: 523/P	Village: Dari, Ta:Veraval	6.47.34 Ha	60,000 MTPA	Dari:0.80 km

During SEAC meeting held on 01/06/2016, the above proposal was scheduled for appraisal. Additional details were sought during the meeting.PP submitted the additional details and proposal was scheduled for appraisal.

During presentation, details of production for the years 2000-2001 to 2014-15 is submitted. Committee noticed that lease area of the proposal is greater than 5 hectare and production of Limestone (Major Mineral) is taken without obtaining prior environmental clearance as per the EIA Notification 2006. Hence Committee found



that the project proponent has violated the provisions of EIA Notification-2006 by carrying out mining activity/ starting the production activity without obtaining prior EC. After deliberation,, committee decided not to consider the project at this stage. Further it was decided to inform Gujarat Pollution Control Board to initiate credible action on the violation by invoking powers under Section 19 of the Environment (Protection) Act, 1986 for taking necessary legal action under Section 15 of the Act.

**5. Limestone Mine of Shree Rudabhai Devshibhai Vadher (Lease area: 01.00 Ha), S NO: 397 paiki,Village: Khorasa, Ta: Malia-Hatina, Dist: Junagadh.**

Sr. no.	Proposal No.	Project Name	S NO	Vill,Taluka	Hectare	Rate of mining	Nearest Habitation
5	SIA/GJ/MIN /34720/2015	Limestone Mine of Shree Rudabhai Devsinhbhai Vadher	397 Paik	Vill:Khorasa Ta:Malia-Hatina	01-00 Ha	1,00,000 MTPA	Khorasa: 1.40 km

During meeting for the above proposal no: SIA/GJ/MIN/34720/2015, PP submitted a letter for withdrawal of EC application. Committee acknowledged the request of PP and unanimously decided to close the proposal and delist from pending application list of SEAC.

**6. Vasai Limestone of Kherajbha Karubha Ker(Limestone Lease Area: 4.90.00 Ha), S NO: 424/P,Village: Vasai, Ta: Okhanmandal,Dist: devbhumi Dwarka (Proposal NO:SIA/GJ/MIN/57031/2016).**

Sr. no.	Proposal No.	Project Name	S NO	Vill,Taluka	Hectare	Rate of mining	Nearest Habitation
6	SIA/GJ/MIN /57031/2016	Vasai Limestone of Kherajbha Karubha Ker	S NO: 424/P	Village: Vasai, Ta:Okhanmandal	4.90.00	11,120 MTPA	Vasai: 1.60km

The project proponent has applied for their existing Limestone mine located at S NO: 424/P, Vill: Vasai, Ta: Okhanmandal, Dist: Devbhumi dwarka. The limestone mine lease area is 04.90.00 Ha and proposed rate of mining is 11,120 MTPA. Mining process include manual open cast semi mechanized mining. 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 detailed lease status, details of mining method, google image of site, Environmental setting of the project, Mining details, water requirements, Environment management plan with impacts and its mitigation measures etc.

After detailed deliberation, considering the scale of project, it was categorized as B2. Project proponent was asked to submit additional information as below for further 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. A map indicating the aerial distance of the lease area from these entities.
2. Copies of all requisite permissions including online acceptance letter for your proposal, permissions from District Collector, Commissioner, Geology & Mining, Indian Bureau of Mines, GPCB, Copy of valid renewed lease and / or lease renewal status from department of Industries and Mine, Government of Gujarat etc.
3. Year-wise production details since 2004 with monthwise production details for the year 2016 including current status of mining operation duly validated by the district geologist.
4. Land use plan of the mine lease area should be prepared to encompass pre-operational, operational and post operational phases.
5. Approved mining plan including progressive mine closure plan including details of cluster for homogeneous mineral within 500 meter radius of the lease boundary and details of EC status of each lease included in a cluster.
6. One complete season baseline ambient air quality data (except monsoon) to be given along with the dates of monitoring. The parameters to be covered shall be in accordance with the revised National Ambient Air Quality Standards as well as project specific parameters. Locations of the monitoring stations should be so decided so as to take into consideration the predominant downwind direction, population zone and sensitive receptors. There should be at least one monitoring station in the upwind direction. There should be at least one monitoring station in the pre dominant downwind direction at a location where maximum ground level concentration is likely to occur.
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 for entire period of mining.

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. Justification for water consumption with regard to domestic consumption, plantation and dust suppression use keeping rate of mining and vehicles movements per day in a view.
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 groundwater.
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.

**7. Vavarda Limestone Mining Lease Area( 4.0469) of Nirma Limited,( Lease Area: 4.0469 Ha), S NO: 111 (P),Village: Vavarada, Ta: Una, Dist: Gir Somnath (Proposal NO:SIA/GJ/MIN/56588/2016).**

Sr. no.	Proposal No.	Project Name	S NO	Vill, Taluka	Hectare	Rate of mining	Nearest Habitation
7	SIA/GJ/MIN /56588/2016	Vavarda Limestone Mining Lease Area( 4.0469) of Nirma Limited	S NO: 111 (P)	Village: Vavarada, Ta: Una	4.04.69 Ha	10,625 MTPA	Vavarda: 7.5 km

The project proponent has applied for their existing Limestone mine located at S NO: 111 (P), Vill: Vavarda, Ta: Una, Dist: Gir Somnath. The limestone mine lease area is 04.04.69 Ha and proposed rate of mining is 10,625 MTPA. Mining process include manual open cast semi mechanized mining. 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 detailed lease status, details of mining method, google image of site, Plantation programme, Environmental setting of the project, Mining details, water requirements, Environment management plan with impacts and its mitigation measures etc.

After detailed deliberation, considering the scale of project, it was categorized as B2. Project proponent was asked to submit additional information as below for further 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. A map indicating the aerial distance of the lease area from these entities.
2. Copies of all requisite permissions including permissions from District Collector, Commissioner, Geology & Mining, Indian Bureau of Mines, GPCB, Copy of valid renewed lease and / or lease renewal status from department of Industries and Mine, Government of Gujarat etc.
3. Year-wise production details since 2002 with monthwise production details for the year 2016 including current status of mining operation duly validated by the district geologist.
4. Land use plan of the mine lease area should be prepared to encompass pre-operational, operational and post operational phases.
5. Approved mining plan including progressive mine closure plan including details of cluster for homogeneous mineral within 500 meter radius of the lease boundary and details of EC status of each lease included in a cluster.
6. One complete season baseline ambient air quality data (except monsoon) to be given along with the dates of monitoring. The parameters to be covered shall be in accordance with the revised National Ambient Air Quality Standards as well as project specific parameters. Locations of the monitoring stations should be so decided so as to take into consideration the predominant downwind direction, population zone and sensitive receptors. There should be at least one monitoring station in the upwind direction. There should be at least one monitoring station in the pre dominant downwind direction at a location where maximum ground level concentration is likely to occur.
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 for entire period of mining.
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. Justification for water consumption with regard to domestic consumption, plantation and dust suppression use keeping rate of mining and vehicles movements per day in a view.
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 groundwater.
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.

**8. Ankoli Limestone Mining Lease Area (4.56.00) of Nirma Limited,( Lease Area: 4.56.00 Ha), S NO: 1 (P),Village: Ankolali, Ta: Gir-Gadhada Dist: Gir Somnath (Proposal NO:SIA/GJ/MIN/56589/2016).**

Sr. no.	Proposal No.	Project Name	S NO	Vill, Taluka	Hectare	Rate of mining	Nearest Habitation
8	SIA/GJ/MIN /56589/2016	Ankoli Limestone Mining Lease Area (4.56.00) of Nirma Limited	1(P)	Village: Ankolali, Ta: Gir-Gadhada	04.56.00 Ha	37,500 MTPA	Gir-Gadhada: 9 km

The project proponent has applied for their existing Limestone mine located at S NO: 1(P), Vill: Ankolali, Ta: Gir-Gadhada, Dist: Gir Somnath. The limestone mine lease area is 04.56.00 Ha and proposed rate of mining is 37,500 MTPA. Mining process include manual open cast semi mechanized mining. 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 detailed lease status, details of mining method, google image of site, Plantation programme, Environmental setting of the project, Mining details, water requirements, Environment management plan with impacts and its mitigation measures etc.

After detailed deliberation, considering the scale of project, it was categorized as B2. Project proponent was asked to submit additional information as below for further 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. A map indicating the aerial distance of the lease area from these entities.

2. Copies of all requisite permissions including permissions from District Collector, Commissioner, Geology & Mining, Indian Bureau of Mines, GPCB, Copy of valid renewed lease and / or lease renewal status from department of Industries and Mine, Government of Gujarat etc.
3. Year-wise production details since 2002 with month-wise production details for the year 2016 including current status of mining operation duly validated by the district geologist.
4. Land use plan of the mine lease area should be prepared to encompass pre-operational, operational and post operational phases.
5. Approved mining plan including progressive mine closure plan including details of cluster for homogeneous mineral within 500 meter radius of the lease boundary and details of EC status of each lease included in a cluster.
6. One complete season baseline ambient air quality data (except monsoon) to be given along with the dates of monitoring. The parameters to be covered shall be in accordance with the revised National Ambient Air Quality Standards as well as project specific parameters. Locations of the monitoring stations should be so decided so as to take into consideration the pre-dominant downwind direction, population zone and sensitive receptors. There should be at least one monitoring station in the upwind direction. There should be at least one monitoring station in the pre dominant downwind direction at a location where maximum ground level concentration is likely to occur.
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 for entire period of mining.
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. Justification for water consumption with regard to domestic consumption, plantation and dust suppression use keeping rate of mining and vehicles movements per day in a view.
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 groundwater.
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.

**9. Somnath Hydrated Lime and Chemical Industries Pvt. Limited,(15.1352 Ha), S.No.42/1/P, Vill:Kherali,Ta: Veraval, Dist: Gir Somnath.(Proposal NO: SIA/GJ/MIN/48072/2016).**

During SEAC meeting held on 01/06/2016, above proposal was scheduled.After technical presentation, committee asked additional information after categorising the above proposal under B2.

Committee noted that reply of additional information is not yet submitted by the project proponent and hence decided to ask PP to submit additional information till 30 September 2016 for further consideration of EC application.

**10. Ajotha Limestone Mine (Lease Area: 2.000 Ha), S NO: 389,Village: Ajotha,Ta:Veraval,Dist:GirSomnath.(ProposalNO:SIA/GJ/MIN/33988/2016).**

Sr. no.	Proposal No.	Project Name	S NO	Vill,Taluka	Hectare	Rate of mining	Nearest Habitation
10	SIA/GJ/MIN/33988/2016	Ajotha Limestone Mine	S NO: 389	Village: Ajotha, Ta:Veraval,	2.00.00 Ha	46,300 MTPA	Ajotha: 1.2 km

During SEAC meeting held on 01/06/2016, above proposal was scheduled for appraisal. During meeting it was informed that it is an existing limestone mine located at S NO: 389,Village: Ajotha, Ta:Veraval, Dist: Gir Somnath. The mine lease area is 02.0000 Ha and proposed rate of mining is 46,300 MTPA.The proposed mining scheme envisages exploitation of minerals by manual method without deep hole drilling & blasting. 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 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 detailed lease status, details of mining method, google image of site & its surrounding, land use plan, dust suppression measures at site, details of overburden and reject management plan etc. After detailed deliberation, considering the scale of project, it was categorized as B2 and additional information was sought.

PP submitted the additional information and accordingly proposal was appraised. Mining lease for mineral limestone for area of 2.00 ha. of Survey No. 389, village: Ajotha, Taluka: Veraval, Dist. Gir somnath was granted to Arjanbhai Khimabhai Rathod. The mining operations were commenced from 05.12.1979. Lessee has applied for renewal on 8.09.1998. The first renewal was from 08.10.1999 to 07.10.2019. PP submitted application for EC on 15.02.2016. Lease area is Govt. waste land & total lease area is free from forest land. The limestone deposit is exposed to surface without any top soil & overburden. Mining will be carried out through opencast method. The transportation of limestone from mines to the chemical & cement industries is done through the covered trucks. The blasting requirement will be met by drilling & blasting of small diameter shallow depth holes. There is one mining pit within the mine. The broad mining parameters being adopted at the times are (1) The proposed mining scheme envisages exploitation of minerals by manual without deep hole drilling & blasting. However, Jack hammer drilling & blasting may be performed whenever required. & if required it should be through trained persons (2) Transportation within mining area is carried out by truck and transportation of limestone to factory head or elsewhere is carried by trucks. Limestone in the lease area is exposed to surface without any soil and overburden cover. Hence waste generation will be nil in the mine area. Nearest distances of various entities from the proposed mine lease are as under: (1) Village: Ajotha (1.2 Km). (2) Arabian Sea (around 6.45 km) (3) National Highway: Somnath-Una Hwy – 0.30 km (4) State Highway: Somnath-Una Hwy – 0.30 km (5) Railway line: Somnath (around 7.6 km) (6) Heritage site: No Heritage site listed by archaeological dept. falls within 10 km from mine boundary. (7) Nearest Wild Life Sanctuary Sasan-Gir is around 24.0 km. Lessee has applied for renewal on 28.09.1998. The first renewal was from 08.10.1999 to 07.10.2019.

Details of production is as under:

<b>Period</b>	<b>Production(MT)</b>
2004-05	20127.43
2005-06	18134.08
2006-07	17673.15
2007-08	16522.21
2008-09	14951.37
2009-10	6649.67
2010-11	10390.12
2011-12	4569.92
2012-13	18119.44
2013-14	11220.53
2014-15	11939.06

2015-16	10090.87
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Land use plan of the mine lease area is as under:

Sr. No.	Particulars	Present land use area (ha.)	Land use area at the end of proposed scheme (ha.)
1	Area under mining	0.8320	0
2	Storage for top soil	0	0
3	Overburden/ Dump	0	0
4	Mineral storage	0	0
5	Infrastructure	0.02	0.022
6	Roads	0.04	0.044
7	Greenbelt	0.1	0.1
8	Total used area	0	0.066
9	Remaining unused area	1.108	0.20
10	Abundant mine (Water harvesting pond)	--	1.668
Total		2.00	2.00

Mining plan including progressive mining closure plan approved by IMB is submitted by the PP. There are no other homogenous minerals mines within 500 meter radius from the lease boundary hence no possibility of formation of cluster. A garland drain and earthen bunds will be provided to avoid any inflow of surface water into the mine pit or runoff from mine. Jack hammer will be adopted to avoid drilling & blasting. Dust will be generated from transportation and sizing which will be minimized by taking preventive measures by sprinkling of water at mining area & mine road.

Dust masks will be provided to all workers for precaution. Limestone in the lease area is exposed to surface without any soil and overburden cover. Hence waste generation will be nil in the mine area.

However, the undersized which is generated during mining stored on pit bottom and will be taken out before end of mining. Mined out pit will be used as water reservoirs after closure of mine and having proper fencing, security arrangement & stabilized bund. There is no O/B or waste material available in the lease. Therefore, backfilling of pit is not possible. The mined out area will be developed as water collection pond to store rain water and covered by wire fencing. The area is devoid of sufficient quantum of overburden to reclaim the mined out voids. Therefore, backfilling of pit is not possible. The mined out area will be developed as water collection pond to store rain water. A protecting barbed fencing will be provided to prevent entry of men & animals. Water consumption will be 2 KLPD ( Domestic: 500 litre/day, Green belt: 1000

litre/day, Dust suppression: 500 litre/day)and will be brought through tankers. Used pit will be used as water reservoirs after closure of mine and having proper fencing. Proposed mining will not intersect the water table.PP informed that medical examination is undertaken every six months for every workers. Around 0.20 Lakhs recurring cost/annum earmarked for environment pollution control measures mainly for greenbelt development & occupational health.PP informed that there is no litigation pending against the proposed mining lease.Company will develop reporting systems of non-compliances/ violations of environmental norms to the Lessee.

After presentation, committee noted that copy of renewed lease/lease renewal status from department of Industries and Mine. Government of Gujarat is not submitted which was sought earlier. A discrepancy for national highway and state highway is also observed as both the highways are mentioned as Somnath-Una highway located at 300 meter from the proposed lease. Committee also asked PP to submit month-wise details of production for the year 2016. An undertaking regarding blasting is also sought by the committee.

After deliberation, committee asked PP to submit aforementioned details within 30 days so as to consider the above proposal in one of the upcoming SEAC meeting expeditiously.

**11. VASAI LIMESTONE AND MARL MINES OF RAJESH SHARDULBHA KER, S NO: 129,VILL:VASAI,TA: OKHAMANDAL,DIST:DEVBHUMIDWARKA( Lease Area: 4.2467 Ha), S NO: 129,Village: Vasai,Ta:Okhamandal,Dist: Devbhumidwarka. (ProposalNO:SIA/GJ/MIN/50609/2016).**

Sr. No.	Proposal No.	Project Name	Lease Area	Rate of Mining
11	SIA/GJ/MIN/50609/2016	VASAI LIMESTONE AND MARL MINES OF RAJESH SHARDULBHA KER, S NO: 129,VILL:VASAI,TA: OKHAMANDAL,DIST:DEVBHUMID WARKA	4.2467 Ha Existing	Limestone: 30,000 MTPA and Marl: 73780 MTPA

During SEAC meeting held on 30/04/2016,the aforementioned proposal was appraised and committee sought additional information.PP submitted the details of additional information on 08/07/2016.

The details of environmental entities from the proposed lease area is as under:

1	Nearest Village is Lalsinghpur	1.75 KM
2	Water body, River, Creek, Nallah, Lake, Pond, Reservoir, Canal,	Arabian Sea Cost – 4.5 KM
3	National Highway 8 E	120 KM
4	State Highway No. 25	2.75 KM
5	Railway Line	3 KM
6	Heritage Site (Dwarkadhish Jagat Temple)	7.5 KM
8	National Park/Wild Life Sanctuary/ Reserve Forest/ Protected Forest- Barda Wild Life Sanctuary	15 KM (Marine

PP has submitted copies of the Mining deed and approved Mining Plan. The mining is shallow and not obstructing surface run off and there is no diversion of surface run off, it will take its own natural flow. There is no creation of waste dump in present mining.

Crawl Mounted rock breakers will be deployed for direct breaking of insitu Limestone into desired size of limestone boulders. The underlying marl bed is soft and freeable in nature and will be excavated by excavator's bucket. Hence no blasting will be required. Provision of spraying water to reduce dust emission. As there is negligible soil cover, possibilities of contamination of soil do not exist. The overburden i.e. topsoil, generated is covered on back filled into the pits after operation. The open voids will be properly barricaded to prevent accidental fall. Care will be taken during manual transportation of soil during backfilling. The proposed mining area has negligible soil cover of 0.3 to 0.6m thickness. It will backfilled in the mined out pits. Plantation on the backfilled overburden/soil to be prevent soil erosion possibility. Drinking water will be procured from private tanker. Sewage generated will be disposed off in soak pits. No blasting will take place hence no Fly Rocks will be generated. Mineral rejects are negligible and back filled and levelled in mined out pits. Transportation of material from site, vehicles passing on kuccha and pucca roads will create fugitive air emission Regular water spraying on haulage roads during transportation of material by water sprinklers. All vehicles will be covered to prevent fugitive emission. Regular maintenance of vehicle will be made to prevent noise pollution. Pit generated after extraction of mineral will be refilled with post mining waste material. Top soil will be spread on the pit for agriculture purpose. Plant species, which are indigenous, fast growing, spreading root, broad leaf base etc, will be selected for plantation. PP has submitted environmental management plan. Marl is hydroscopic mineral and wet at the time of excavation. It will be ensured that the Marl bed is wet at the time of excavation, if not, water will be sprinkled on the Marl bed prior to excavation so that dust is suppressed at the time of excavation. At the time of *insitu* breaking of limestone bed, water will be sprinkled to arrest dust emission. Water will be sprayed on haul roads of before vehicular movement on it. First Aid kit will be provided for the workers. Proper training for handling the particular job to every worker will be given. The personal protective equipment such as DGMS approved dust masks, helmets, gloves, respirators etc. shall be provided to the workers depending upon the nature of the work they involved. At the end of the mines the mined out pits are proposed to convert into water reservoirs. Water requirement of 06.0 KLD for the proposed project activity will be met by water tankers supply from nearby village source. Tube well outside the lease area will provide the water for drinking purposes. General elevation at lease area is 10 M from MSL. Working depth is up to 6 meters. Depth of Ground water table is 30 m (Pre-Monsoon) to 910m (Post-Monsoon) below the general ground level & hence mining will not intersect groundwater. No endanger spices of flora and fauna found in the lease area. PP mentioned that they will plant 250 trees area in the area available nearby the lease. Fencing will be provided surrounding to the excavated pit. There is no litigation pending against the project in any court of law. PP has submitted details of production for the years 2007-2008 to 2016-2017 for lime stone and Marl. No production of marl is made since January 2016 and no production is taken from lime stone since March 2016. PP has applied for EC on 11/04/2016.

Considering the above project details, committee unanimously decided to recommend the above proposal for grant of environmental clearance to SEIAA with stipulation of following specific conditions.

1. Project proponent shall comply all the measures, conditions suggested in the approved mining plan and environment management plan (EMP) in a letter and spirit.
2. Project proponent shall comply all the conditions mentioned in “The Companies (Corporate Social Responsibility Policy) Rules, 2014 and its amendments from time to time vide notification of ministry of corporate affairs dated 27<sup>th</sup> February, 2014 in a letter and spirit.

**12. NAVDRA LIMESTONE MINE,(APPLICANT:HARDASBHAJ KARSHANBHAI AMBALIYA), S NO: 80(P),VILL: NAVDRA,TA:KALYANPUR,DIST:DEVBHUMI DWARKA, GUJARAT. (PROPOSALNO:SIA/GJ/MIN/30482/2015).**

Sr. No.	Proposal No.	Project Name	Lease Area	Rate of Mining
12	SIA/GJ/MIN/30482/2015	NavdraLimestoneMine,(Applicant:Hard asbhai Karshanbhai Ambaliya), S NO: 80(P),,Vill:Navdra,Ta:Kalyanpur,Dist:D evbhumi Dwarka,Gujarat	5.00 Ha New	20,400 MTPA

During SEAC meeting held on 30/04/2016, aforementioned proposal was scheduled for appraisal. After presentation, committee sought additional information considering proposal under B2 category. Mining lease is accorded to the PP on 16<sup>th</sup> February 1999 for 20 years.

Additional information was submitted by the PP on 06/09/2016.

The Mining Lease was granted over an area of 5.00 ha in Village – Navdra, Taluka-Kalyanpur, and Dist-Devbhumi Dwarka; in favor of Shri Hardas Karsan Ambaliya vide Govt. order no. MCR/1595-1967 CHH dated 24- 06-1998 and executed on 16.02.1999 for a period of 20 years. The proposed rate of production is 20,400 Tonnes per annum of Limestone. The estimated project cost is Rs.12 Lacs. The expected life of mine is 14 years.The mining plan was approved by Indian Bureau of Mines (IBM) Udaipur, vide their Letter no. 682 (23) MP- 763/1997 MCCM (N) UDP dated 24.11.1997 for fresh grant of Lease. The mining scheme with progressive closer plan is approved by Indian Bureau of Mines (IBM) Udaipur, vide their Letter no. 682 (23)(763)/1997-MCCM (N) UDP Dated 29.04.2015.Project site specific details are given in table below:

S. No.	Entities	Specifics	Distance	Direction
1	Village	Navdra	2 km	South-East
2	Water body: River/nalla/lake/pond/Reservoir	Arabian Sea	1.2 km	West
3	National Highway	NA	NA	NA
4	State Highway	SH-6	3 km	East
5	Railway Line	Bhatia R.S.	15 km	North-East

6	Heritage site	NA	NA	NA
7	National Park/Wildlife Sanctuary/RF/PF	NA	NA	NA

Land-use pattern is mentioned as under:

Sl. No.	Particulars	Present land use pattern(ha)	End of the fifth years(ha)	Conceptual land use pattern(ha)
1.	Area under mining	1.3388	1.5938	3.9762 (reclaimed as water reservoir)
2.	Storage soil	0	0	0
3.	OB dump	0	0	0
4.	Mineral storage	0.0120	0.0120	0
5.	Infrastructure	0.0050	0.0050	0
6.	Green belt	0.0100	0.0500	0.1500
7.	Road	0.0100	0.0100	0
8.	Township area	0	0	0
9.	Railway	0	0	0
10.	Tailing pond	0	0	0
11.	Effluent treatment plant	0	0	0
12.	Mineral separation plant	0	0	0
13.	Sub grade	0	0	0
14.	Undisturbed	3.6292	3.3292	0.8738
Total		5.00	5.00	5.00

PP informed that lease area is considered as gently sloping so it is not an erosion prone area. There is no permanent overburden/ reject dumps in the lease area. This is a limestone mine and there is no contaminated runoff from the mine terrain. There are no surface water bodies also in the vicinity of the lease area and hence the proposed mining will not affect surface water bodies.

Noise at the mine is due to mechanized mining operations and truck transportation activities. The noise generated by the mining activity dissipates within the mine. There is no regular blasting and also the villages are located far off from



the mine workings. Hence the impact of blasting on the surrounding villages will be minimal.

Use of Personal Protection Equipments (PPE) like dust masks, ear plugs etc. will be provided to the mine workers. Rock breaker will be used for breaking over size boulders in order to reduce dust and noise generation, which otherwise would be generated due to secondary blasting.

Regular water sprinkling on haul roads & loading points will be carried out. Development of green belt/plantation around the lease boundary, roads, dumps will be made. Ambient Air Quality Monitoring is proposed to be conducted on regularly basis to assess the quality of ambient air. All the haul roads will be kept properly graded and maintained with sufficient width. The vehicles deployed for material transportation will be spillage proof to avoid or minimize the spillage of the material during transportation. In any case, the transportation links are to be inspected at least twice daily to clear accidental spillage, if any. For the proposed mining scheme, it is suggested that the waste generated during scheme period will be stacked at pit floor, no overburden is generated during mine scheme period, no external dumps will be developed due to mining, and hence the problem of disposal of waste will not be there. Mined out pit cannot be backfilled to original ground level therefore mined out land will be used as a water reservoir. An area of 3.9762 ha of mined out area will be converted into water reservoir with proper fencing. The working will go by semi-mechanized opencast method of mining.

Water for domestic and operations is required to be 5.80 KLD. It is proposed to obtain water for drinking from nearby villages. Necessary permission from Village Panchayat is obtained.

The proposed working of the mine is very much above the water table and hence it will not intersect the ground water table.

Surface water management shall be adopted within and outside lease area to ensure that run off from the mining area does not adversely affect nearby water bodies or natural water streams. During monsoon, adequate arrangements will be made to ensure that water drains out naturally. PP informed that there is no litigation pending against this project.

After technical presentation committee asked PP to submit following details and decided to consider the proposal in one of the upcoming SEAC meeting.

1. Month-wise production details for the years 2014, 2015 and 2016 with current operational status of mining lease.

## **SUBMISSION OF REPLY FOR ADDITIONAL DETAILS SOUGHT**

### **1. SAND MINING PROJECT, DIST: CHHOTAUDEPUR**

Sr. no.	Proposal No.	Project Name	S NO	Vill, Taluka	Hectare	Rate of mining	Name of River	Nearest Habitation	Proposal use
1	SIA/GJ/MIN/35660/2015	Sanjaybhai Buddhisagarbhai Solanki	23,24,25 ne lagu	Kadila/ Sankheda	6-63-68 Existing	40,000 MTPM	Orsang	Kadila 1.00 km	Construction

During SEAC meeting held on 30/04/2016, Shri Mehul Shah, Royalty Inspector, Dist: Chotaudepur informed that there is no bridge piers / water intake wells / irrigation structures within 500 m distance from boundary of above lease area. He explained that sand excavation will be done up to maximum 3 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. Minimum setback distance of 10 meter shall be maintained from the river bank to prevent bank erosion.

After presentation, committee asked geologist to submit approved mining plan, environment management plan (EMP) and details regarding formation of cluster for homogeneous minerals within 500 meter radius from the outer periphery of the lease area.

On 5/08/2016, PP submitted mining plan under approval of office of Geology and Mining department, Chotaudepur and Environmental Management Plan (EMP). PP submitted copy of order of Appellate authority, Department of Geology and Mining sanctioning lease area which was granted earlier on 24/10/2008 and accordingly informed that as per the notification of MOEF&CC dated 01/07/2016, sanctioned lease does not attract cluster provision.

Considering the mitigation measures proposed by the lease holder, committee unanimously decided to recommend the proposal for grant of environmental clearance to SEIAA with stipulation of standard conditions for Sand mining as approved in 232<sup>nd</sup> SEAC meeting held on 15<sup>th</sup> April 2015 with compliance of all the conditions mentioned in Sustainable sand mining management guidelines 2016 of MOEF&CC, New Delhi.

**Letter of Shri Natubha Jadeja, At :Lifra, Ta: Mundra, Dist: Kutch dated 10-05-2016 regarding reviewing of EC accorded to the following quarry Leases:**

Sr.No.	Project Name	Hectare	Sr.No.	Village	Taluka/District
1	Jadeja Rajendrasinh Svaraiji	01-00-00	S.No.141P	Lifra	Mundra/Kutch
2	Pir Swarupaiji Khengarji	04-90-00	S.No.141P	Lifra	Mundra/Kutch
3	Jadeja Desrathsinh Khanji	02-00-00	S.No.141P	Lifra	Mundra/Kutch

Aforementioned proposals were considered during SEAC meeting held on 28/11/2014 and Environmental clearances were accorded in the SEIAA meeting held on 27/02/2015.

A letter of Shri Natubha Jadeja, At :Lifra, Ta: Mundra, Dist: Kutch dated 10/05/2016 requesting to review EC accorded to the above proposals was received by SEIAA which was forwarded to SEAC on 19/08/2016.

With reference to the letter of Shri Natubha Jadeja, project proponents, geological assistant, Dist:Kutch were called before the SEAC.

In a view of the letter of Shri Natubha Jadeja, committee was informed regarding inspection carried out by GPCB for all the aforementioned lease areas. According to the Inspection report of GPCB dated 07/07/2016 , It is noted by the committee that one check dam exists in upstream of the above mentioned lease areas at a distance of 50 meter where accumulation of water is observed and another check dam exists in the downstream of the proposed lease areas at a distance of 100 meters. It is also mentioned in the report that there is possibility of damage to the check dam structures when aforementioned lease starts functioning that includes blasting and excavation.

Project proponents were asked to mention their stand in this regard by the committee to which PP mentioned that they have not started mining activities. Committee asked geological assistant to mention distance criteria to grant quarry lease specifically for the check dams according to the procedure adopted by the office of geology and Mining department which was not satisfactorily replied.

After deliberation, prior to decide for the above mining leases, committee unanimously decided :

- (1) To invite senior official of geology and mining department to opine regarding the prevailing criteria for distance of check dams for grant of lease that includes blasting
- (2) To ask irrigation department of the district to opine for above mentioned leases in the vicinity of the check dams.

## **EC AMENDMENT PROPOSALS**

### **(1) Black trap Mining Project, Dist.: Tapi**

<b>Sr No.</b>	<b>Name of applicant</b>	<b>Lease Area (H-A-M)</b>	<b>Survey No:</b>	<b>Village</b>	<b>Taluka</b>	<b>Dist:</b>	<b>Rate of mining</b>	<b>Distance of the nearest village</b>
1	Shree Kailash Stone Quarry	03-00-00	Block No: 59/p2, S NO: 227	Sonarpada	Songadh	Tapi	4780 MTPM	Sonarpada: 2.2 km

Environmental Clearance for the above proposal was issued on 25/03/2015 vide letter No. SEIAA/GUJ/EC/1(a)/146/2015. Project proponent has submitted an application on 11/08/2016 for correction of rate of mining mentioned in the EC.

Project proponent has mentioned that in an application comprising Form 1, it is mentioned that rate of mining is 90,000 MTPA whereas in EC, rate of mining mentioned is 4780 MTPM.

Referring to 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 to SEIAA issued on 25/03/2015 vide letter No. SEIAA/GUJ/EC/1(a)/146/2015 for correction in rate of mining as below.

<b>Sr No.</b>	<b>Name of applicant</b>	<b>Lease Area (H-A-M)</b>	<b>Survey No:</b>	<b>Village</b>	<b>Taluka</b>	<b>Dist:</b>	<b>Rate of mining</b>	<b>Distance of the nearest village</b>
1	Shree Kailash Stone Quarry	03-00-00	Block No: 59/p2, S NO: 227	Sonarpada	Songadh	Tapi	90,000 MTPA	Sonarpada: 2.2 km

**(2). Black trap Mining Project, Dist.: Tapi**

<b>Sr No.</b>	<b>Name of applicant</b>	<b>Lease Area (H-A-M)</b>	<b>Survey No:</b>	<b>Village</b>	<b>Taluka</b>	<b>Dist:</b>	<b>Rate of mining</b>
2	Shree Kailash Stone Quarry	04-75-00 New	S. No: 227, Block NO: 59/p2	Sonarpada	Songadh	Tapi	4780 MTPM

Environmental Clearance for the above proposal was issued on 23/06/2015 vide letter No. SEIAA/GUJ/EC/1(a)/2486/2015. Project proponent has submitted an application on 11/08/2016 for correction of rate of mining mentioned in the EC.

Project proponent has mentioned that in an application comprising Form 1, it is mentioned that rate of mining is 1,00,000 MTPA whereas in EC, rate of mining mentioned is 4780 MTPM.

Referring to the application made in Form I by the applicant, committee noticed that typographical error has inadvertently been made in rate of mining as well as lease area. After deliberation, committee decided to recommend amendment in Environmental Clearance to SEIAA issued on 23/06/2015 vide letter No. SEIAA/GUJ/EC/1(a)/2486/2015 for correction in rate of mining and lease area as below.

<b>Sr No.</b>	<b>Name of applicant</b>	<b>Lease Area (H-A-M)</b>	<b>Survey No:</b>	<b>Village</b>	<b>Taluka</b>	<b>Dist:</b>	<b>Rate of mining</b>
2	Shree Kailash Stone Quarry	03-75-00	S. No: 227, Block NO: 59/p2	Sonarpada	Songadh	Tapi	1,00,000 MTPA

**(3). Black trap Mining Project, Dist.: Tapi**

<b>Sr No.</b>	<b>Name of applicant</b>	<b>Lease Area (H-A-M)</b>	<b>Survey No:</b>	<b>Village</b>	<b>Taluka</b>	<b>Dist:</b>	<b>Rate of mining</b>	<b>Distance of nearest village</b>
3	Sujan Mineral Industries	03-65-75	B NO:73	Vaghpani	Vyara	Tapi	3900 MTPM	Vaghpani: 600 m

Environmental Clearance for the above proposal was issued on 25/03/2015 vide letter No. SEIAA/GUJ/EC/1(a)/159/2015. Project proponent has submitted an application on 11/08/2016 for correction of rate of mining mentioned in the EC.

Project proponent has mentioned that in an application comprising Form 1, it is mentioned that rate of mining is 5,75,000 MTPA whereas in EC, rate of mining mentioned is 3900 MTPM.

Referring to the application made in Form I by the applicant, committee noticed that typographical error has inadvertently been made in rate of mining.

After deliberation, committee decided to recommend amendment in Environmental Clearance to SEIAA issued on 25/03/2015 vide letter No. SEIAA/GUJ/EC/1(a)/159/2015 for correction in rate of mining as below.

Sr No.	Name of applicant	Lease Area (H-A-M)	Survey No:	Village	Taluka	Dist:	Rate of mining	Distance of nearest village
3	Sujan Mineral Industries	03-65-75	B NO:73	Vaghpani	Vyara	Tapi	5,75,000 MTPA	Vaghpani: 600 m

#### 4). Black trap Mining Project, Dist.: Tapi

Sr No.	Name of applicant	Lease Area (H-A-M)	Survey No:	Village	Taluka	Dist:	Rate of mining	Distance of nearest village
4	Swastik Stone Quarry	04-27-06	Block No: 88/p1, S NO: 92 & 89/p3,96	Kumkuva	Songadh	Tapi	9584 MTPM	Kumkuva : 2.5 km

Environmental Clearance for the above proposal was issued on 25/03/2015 vide letter No. SEIAA/GUJ/EC/1(a)/156/2015. Project proponent has submitted an application on 11/08/2016 for correction of rate of mining mentioned in the EC.

Project proponent has mentioned that in an application comprising Form 1, it is mentioned that rate of mining is 1,30,000 MTPA whereas in EC, rate of mining mentioned is 9584 MTPM.

Referring to the application made in Form I by the applicant, committee noticed that typographical error has inadvertently been made in rate of mining.

After deliberation, committee decided to recommend amendment in Environmental Clearance to SEIAA issued on 25/03/2015 vide letter No. SEIAA/GUJ/EC/1(a)/156/2015 for correction in rate of mining as below.

<b>Sr No.</b>	<b>Name of applicant</b>	<b>Lease Area (H-A-M)</b>	<b>Survey No:</b>	<b>Village</b>	<b>Taluka</b>	<b>Dist:</b>	<b>Rate of mining</b>	<b>Distance of nearest village</b>
4	Swastik Stone Quarry	04-27-06 (Existing:02-27-06) (Proposed New:02-00-00)	Block No: 88/p1, S NO: 92 & 89/p3,96	Kumkuva	Songadh	Tapi	For Existing lease: 1,30,000 MTPA For Proposed New lease:1,00,000 MTPA)	Kumkuva : 2.5 km

The meeting was concluded with thanks to the chair and members.

1. Shri T.P. Singh, Chairman, SEAC.
2. Shri V.C.Soni,Vice Chairman, SEAC
3. Dr. Mayuri Pandya, Member, SEAC
4. Dr. V.K.jain,Member, SEAC.
5. Shri R.J.Shah, Member, SEAC