

Minutes of 44th meeting of Expert Appraisal Committee for the proposal involving violation of EIA Notification, 2006 held on 18-19 February, 2021

Following members were present in the meeting:

- (i) Dr. Satish R Wate -Chairman
- (ii) Dr. G.V. Subrahmanyam -Member
- (iii) Dr. A.L. Ramanathan -Member
- (iv) Shri K Gowarappan -Member
- (v) Dr. Dilip S. Ramteke -Member
- (vi) Dr. Poonam Kumria -Member
- (vii) Dr. Bharat Jain -Member
- (viii) Dr.Subrata Maity -Member
- (ix) Shri Ashok Agrawal –Member
- (x) Shri Anil Kumar Jha -Member
- (xi) Shri Amardeep Raju-Member Secretary

Dr. Ramana Murthy could not join the meeting

Day 1: 18th February, 2021

Time: 11.00 AM to 05.30 PM

44.1. Opening remarks of the Chairman

44.2. Confirmation of the minutes of the 43rd meeting held on 8-9 February, 2021 at Indira ParyavaranBhawan, JorBagh Road, New Delhi

44.3 Proposal for consideration

44.3.1. Pamta Limestone Mining Project with lease area of 4.4 Ha for production of 1,25,130 Tonnes/annum Limestone at Mauza Chhitali & Shamah Pamta, Tehsil Paonta Sahib, District Sirmaur, Himachal Pradesh by M/s A. Dean & Company - Environmental Clearance Proposal No. IA/HP/MIN/74387/2018 and File No. 23-264/2018-IA.III (V)

Project proponent alongwith the consultant made the detailed presentation and provided following information:

The proposed project of Hill Slope Mining for extraction lime stone from lease area measuring 4.4 Hectare located at Mauza Chitali & Shamah Pamta, Tehsil-Poanta Sahib, Distt -Sirmour, Himachal Pradesh.

Earlier Lease of Pamta Limestone Mine over an area of **273.16 Bigha** located at Village Pamta, Tehsil Paonta Sahib, District Sirmaur, Himachal Pradesh was originally granted to **Himachal Industries Mineral Mining Company** for mining of limestone vide letter No./Grant order No. 5-47/76-Ind(Gld), dated **18/10/1976**& lease deed was executed on **20/09/1977**.

The above Mining Lease was **transferred** in favour of **M/s A. Dean & Co.** vide letter no. Ind-VI(F)(12)(7)/76 dated 06/12/1982.

Mining Lease was renewed for mining area of 53-02 Bighas (4.4 Ha) a private land with effect from 20/09/1997 to 19/09/2017 for 20 years surrendering the 222-14 Bighas of land vide letter no. Udyog-Bhu(Khani-4)Major-6/97/-1-4655 dated 20/08/2008, thus the **Violation period was from 04-05-1994 to 19-09-1997**.

As per Section 8A introduced by the MMDR (Amendment) Ordinance, 2015, the period of above-mentioned lease was extended up to **19.09.2027** vide letter no. Udyog-Bhu(Khani-4)Major-6/97/-1-2538 dated 09/06/2015.

It has been proposed to collect 1,25,130 TPA (max.) of limestone including mine waste. The mining activities as proposed shall provide raw material for Chemical and Cement Industries. As per MoEF, New Delhi Gazette dated 14th September 2006 and amended thereafter, the mining project is categorized as category ‘A’ project due to the presence of Interstate Boundary of Uttarakhand and Himachal Pradesh within 5 km of the study area. Mine was not in operation w.e.f. 2002-07 to 2005& also presently not in operation since 14th January’ 2016.

There are other two mine leases exist in the 500-m periphery of the lease area.

S. No	Name of mine lease	Area
1	M/s Friends Minerals	4.96 Hect
2	M/s Savita Chauhan	3.10Hect
3	M/s A Dean & Company	4.4Hect
Total Area		12.4Hect

Salient features

1. If a Joint venture, the names & addresses of the JV partners including their share
Not applicable

2. Latitude and Longitude of the project

Blocks	Latitude	longitude
Western	30° 35’ 51.5” N-	77°41’41.9” E-

Blocks	30° 35' 44.8" N	77°41'40.1" E
Central Blocks	30° 35' 45.7" N- 30° 35' 37.11" N	77°42'41.38"E 77°42'46.04" E
Eastern Blocks	30° 35' 31.5" N 30° 35' 34.46" N	77°42'48.1"E – 77°42'48.76"E-

3. **Whether the project is in the Critically Polluted Area(CPA) : No**
4. **Cost of the project : Rs. 128.51 lakhs**
5. **Employment generated/to be generated : 59**
6. **Benefits of the project: Employment potential &Promotion of industrial growth**
7. **Whether new or expansion project. If expansion: New Project (1,25,130 TPA including Waste)**
8. **No. and Date of the ToR/and revised ToR, if any, letter issued by the MoEF (if this is a case for EC): ToR letter No. F. No. 23-264/2018-IA.III (V) dated 23rd November 2020.**
9. **No. and Date of the EC and the revised EC letter issued by the MoEF (if this is a case for reconsideration. If so, what specific reconsideration(s) being sought by the proponent) : No**
10. **If the project was considered in EAC, Pl. give dates of the meeting (s)**
For Grant of TOR EAC(Non-Coal) meeting held on 24/10/2015,
For Grant of EC EAC(Non-Coal) meeting held on 23/11/2016,
For Grant of EC EAC(Non-Coal) meeting held on 22/06/2018,
For Grant of TOR EAC (Violation) meeting held on 22/10/2018
For Grant of TOR EAC (Violation) meeting held on 31/12/2019
11. **Type of Mine: (Open cast/Underground/mixed) : Open cast Mine**
12. **14. Capacity of the mine applied for: 1,25,130 TPA including Waste**
13. **ML Area : 4.4Hectare**
As per block allotment : 4.4Hectare
As per approved mine plan: 4.4Hectare
14. **Date of approval of mine plan, mine closure plan, status &date**
Scheme of Mining including Mine Closure Plan
Date of approval: 22April 2016
Status: approved

15. Date of Ground water clearance and surface water approval: Not Applicable

Existing Ground water level in(M)
 Pre-monsoon period 3.76 to 43.98 m bgl
 Post-monsoon period 2.98 to 37.35 m bgl

16. Any river/ Nallah flowing near or adjacent to the proposed mine. If yes, please give details Giri River (7 km in SW direction)

Details of Mine Lease-			
1. Date of entering into original lease deed.	1. Date of 1st lease renewal	1. Date of 2nd lease renewal	1. Date of 3rd lease renewal
Lease granted vide letter no./Grant order No. 5-47/76-Ind(Gld), dated 18/10/1976 for 20 years	Renewal of mining lease vide Udyog-bhu(khani-4/ Major-G/97-1-4651 dated 20.08.08 (lease granted for 20 years, w.e.f 20.09.1997)	--	--
2. Date of expiry of original lease deed	2. Whether renewal or deemed renewal	2. Whether renewal or deemed renewal	2. Whether renewal or deemed renewal
18/10/1996	Renewal of mining lease vide Udyog-bhu(khani-4/ Major-G/97-1-4651 dated 20.08.08 (lease granted for 20 years, w.e.f 20.09.1997)	--	--
3. Date of expiry of 1st lease renewal/ deemed renewal	3. Date of expiry of 2nd lease renewal/ deemed renewal	3. Date of expiry of 2nd lease renewal/ deemed renewal [also for subsequent renewals]	
	19/09/2027	--	-

17. Geological Reserve

- (i) **Total geological reserve** : 3.275868 Million Tonnes
- (ii) **Mineable reserve** : 0.651112 Million Tonnes
- (iii) **Extractable reserve** : 0.586 Million Tonnes
- (iv) **Percent (%) of extraction**: 90

(v) Range of ground water level

Pre-monsoon period 3.76 to 43.98 m bgl
Post-monsoon period 2.98 to 37.35 m bgl

(vi) Total estimated water requirement: 5.65 KLD (Tanker Supply from ChitliKhala natural spring and RWH scheme)

(vii) Details of intersecting ground water level: No

18. Method of mining: Open Cast manual mining

19. Life of mine: 10

20. Whether ambient air quality seasonal data has been monitored. If so, from which season to which season and whether the results are within the prescribed limits.

Ambient Air Quality Monitoring was carried out during Dec – Feb 2016 further validated with Dec – Feb 2019 winter season, Results were found within permissible limit

21. Whether the monitoring report of earlier EC from MoEF Regional Office has been obtained, in case the proposal is for expansion.

EC has not been obtained

22. Details of O.B.

(i) **External OB dumps :** No

(ii) **If garland drains and settlement facility for runoff created :**
Proposed

(iii) **Whether runoff water being utilized:** Will be utilized in RWH

23. Details of Internal Dumps: Not Applicable

24. Utilization potential of wastes : Mine Waste 10% of extraction

(i) **Within the mines :** Making Parapet walls and rehabilitation of benches

(ii) **Outside mines :** Maintenance of PWD roads, approach road.

25. Details of Quarry: Total quarry area: 3.48 Ha.

26. Details of Land usage

(i) Pre-mining

S. No.	LAND USE	Other LAND USE	WITHIN ML AREA (Hectare)	OUTSIDE ML AREA (Hectare)	TOTAL (Hectare)

(1.)	WASTE LAND		4.4	0	4.4
(2.)	FOREST LAND		0	0	0
(3.)	GRAZING LAND		0	0	0
(4.)	AGRICULTURE LAND		0	0	0
(5.)	SURFACE WATER BODIES		0	0	0
(6.)	SETTLEMENTS		0	0	0
TOTAL			4.4	0	4.4

(ii) Post- Mining

S. No	LAND USE	Other LAND USE	Plantation (ha)	Water Body (ha)	Public Use (ha)	Undisturbed (ha)	Total
(1.)	BUILT UP AREA (COLONY/OFFICE)		0	0	0		0
(2.)	TOP SOIL STORAGE		0	0	0		0
(3.)	INTERNAL OB DUMPS		0	0	0		0
(4.)	ROADS		0	0	0		0
(5.)	VIRGIN AREA		0	0	0		0
(6.)	Other	Undisturbed & Retaining Wall area	0.67	0	0		0.67
(7.)	EXCAVATION/QUARRY		3.48	0	0		3.48
(8.)	GREEN BELT		0.25	0	0		0.25
(9.)	EXTERNAL OB DUMPS		0	0	0		0
TOTAL			4.4	0	0	0	4.4

(i) **Details of Forest issues:**No forest land involved

(ii) **Is there any National Park, eco-sensitive Zones, within 10 km radius? If so, give the details:** None

(iii) **Extent of forest land in the project (including safety zone and all types of forest land)**
(in ha): Not applicable

(iv) **Total forest land for which Stage-1FC is available (give area in ha), provide breakup of this area in following format:**Not applicable

Area (in ha)	Stage-1 FC issued vide letter no. & date	Validity period of earlier EC granted
Not applicable	Not applicable	Not applicable

(v) **Whether schedule-I species, if yes conservation plan is approved by CWLW? :** Yes, conservation plan for Leopard.

27. Costs of the project

- (i) **Total capital Cost :** Rs 128.51 lakhs
- (ii) **Cost of Production :** 250 rs./tons
- (iii) **Sale Price :** 270 rs./tons
- (iv) **CER cost:** Rs 3 Lakh
- (v) **R&R Cost:** Not Applicable
- (vi) **No of PAFs:** Not Applicable
- (vii) **Cost for implementing EMP:** 15.02 lakh (Capital) 14.27

Lakh (Recurring)

28. Details of villages/habitation in mine lease area: None

29. Details of transportation of mineral

- (i) **In pit :** None
- (ii) **Surface to siding :** None
- (iii) **Siding to loading :** None
- (iv) **Quantity being transported by Road/Rail/conveyer /ropeway:** ~ 500 Tonnes per day
- (v) **Proposed change in transportation means if any, give details:** Existing mode of transportation will be used

30. Details of reclamation: Mining of Limestone and overburden will be backfilled at the end of conceptual plan.

- (i) **Afforestation shall be done covering an area of: 0.25 ha at the end of mining. This will include:** Over Bench Area: 0.25, Saplings: 250
- (ii) **Reclaimed external OB dump (in ha) --**
- (iii) **Internal dump(inha) --**
- (iv) **Green belt (in ha) 0.25 ha**
- (v) **Density of tree plantation (in no of plants) 10 trees per 100 sqm.**
- (vi) **Void (in ha) at a depth of (in m) which is proposed to be converted into water body No**
- (vii) **Others in ha (such as excavation area along ML boundary, along roads and infrastructure, embankment area and in township located outside the lease etc) None**
- (viii) **Agriculture and horticulture: None**
- (ix) **Fisheries : None**
- (x) **ECO Tourist/recreation spot: None**

31. Give details of actual production vis-à-vis sanctioned capacity since the inception of mine in following format or since 1993-94 as applicable:

Year	Actual production (MTPA)	Area in Ha	Excess production beyond the EC sanctioned capacity
1991-92	35857.374	4.4	EC not sanctioned
1992 -93	25025.250	4.4	EC not sanctioned
1993-94	23317.900	4.4	EC not sanctioned
1994-95	69193.308	4.4	EC not sanctioned
1995-96	100826.10	4.4	EC not sanctioned
1996-97	146334.40	4.4	EC not sanctioned
1997-98	156775.40	4.4	EC not sanctioned
1998-99	47820.808	4.4	EC not sanctioned
1999-2000	125118	4.4	EC not sanctioned
2000-01	34352.900	4.4	EC not sanctioned
2001-02	11887.300	4.4	EC not sanctioned
2002-03	Nil	4.4	EC not sanctioned
2003-04	Nil	4.4	EC not sanctioned
2004-05	Nil	4.4	EC not sanctioned
2005-06	11301.700	4.4	EC not sanctioned
2006-07	80274.800	4.4	EC not sanctioned
2007-08	69294.200	4.4	EC not sanctioned
2008-09	73718.100	4.4	EC not sanctioned
2009-10	97950.900	4.4	EC not sanctioned

2010-11	79926.900	4.4	EC not sanctioned
2011-12	109310.80	4.4	EC not sanctioned
2012-13	82940.400	4.4	EC not sanctioned
2013-14	66554.200	4.4	EC not sanctioned
2014-15	75852.800	4.4	EC not sanctioned
2015-16	88198.600	4.4	EC not sanctioned
Mine was not under operation w.e.f 2002 to 2005 & also presently not in operation since 14th January 2016 as per Mining Officers letter			

32. PUBLIC HEARING ISSUES: Public hearing was held on 22.08.2016 at Community Centre, Village: Pamta, Tehsil: Paonta Sahib, Sirmaur, H.P. Under the Chairmanship of Additional Deputy Commissioner

33. Issues raised during Public Hearing and assurance given alongwith the financial provisions and action plan, if any, by the project proponent. (Please attach as an annexure in a tabular form

S.NO	Issues raised	Remarks on the Issues raised	Action plan & Financial provisions
1	Generation of employment by sustainable development in such a way that minimizing adverse impact on environment.	The management ensured to carry out mining activity in scientific way.	The mining is carry out as per the approved mine plan & condition laid down in EC.
2	There is no objection to mining activity in case mining activity is carried out in scientific way for conservation of environment protection.	The management ensured to carryout mining activities in scientific manner and to provide check dam and retaining wall.	The mine management will spend Rs 9 lakhs on environment protection & management Also CPCB/SPCB guideline are followed for the monitoring. The recurring cost of EMP is Rs 6 Lakhs.
3	Regular sprinkling of water for minimization of dust.	The management ensured for increasing the frequency of water sprinkling whenever mine will come into operation besides provision of water tanker for sprinkling of	The management will spend 1.5 Lakhs per year for sprinkling of water for the dust separation.

		water.	
4	Contribution towards medical aid by providing ambulance jointly with the other lessees through <i>Panchayat</i> for the area apart from employment to the youth.	To take up the issue with other mining lease holder(s)/lessees thought Panchayat.	The joint efforts are made by all the three parties in cluster & with local villagers in presence of Up-Pradhan, It is mutually agreed upon that Ambulance is available on call by 108. At present, the management provides vehicles as and when required. Total contribution by management for medical aid & ambulance Rs 2 Lakhs.
5	Non-exploitation by local (s) as there is no any other source of income and employment except mining activity and proper compensation to the effective person should be provided.	The management ensured that there will be no space for exploitation. Proper compensation is being provided and same shall be continued in near future.	Total 59 persons are required for mining activity. The management will ensure that all are haired from the local villages.
6	Disturbed geological condition of Shamah village is due to adverse impact of mining activity.	The management appraised that Geological study indicates the presence of cavity beneath the village Shamah.	The mining activity will be carried out as per the approved mine plan.
7	Soil erosion, deforestation, and sediment load in the nearby Khad during rainy season.	In case of any loss proper compensation is being provided and same shall be continued in near future.	The proper compensation will be made as per the rules.
8	Effective Environmental protection measures for control of debris for future as well as	The management agreed to provide protection measures.	The management has been provided retaining structure which will be taken up as continuous process in future. Capital cost for construction of

	past mining activity beside provision of more dumping sites.		retaining structure is Rs 3 Lakhs and recurring cost for maintenance is Rs 1.5 Lakhs
9	Damage to water supply schemes as well as natural drinking water sources in the downstream of mine area due to mining activities.	In case of any damage to water source proper compensation is being provided and same shall be continued in near future.	There is no damage to water supply scheme. If there is any damage occur due to mining proper maintenance will be done by the mine management. Amount of Rs 1 Lakh is earmarked for the maintenance of water supply scheme.

Observation and recommendation of the EAC in the present meeting:

After detailed presentation by the Project proponent, EAC noted that proposed proposal is for extraction lime stone from lease area measuring 4.4 Hectare located at Mauza Chitali & Shamah Pamta, Tehsil-Poanta Sahib, Distt -Sirmour, Himachal Pradesh. As per Section 8A introduced by the MMDR (Amendment) Ordinance, 2015, the period of lease was extended up to **19.09.2027** vide letter no. Udyog-Bhu (Khani-4) Major-6/97/-1-2538 dated 09/06/2015. It has been proposed to collect 1,25,130 TPA (max.) of limestone including mine waste. No forest land is involved in the project. EAC further noted that credible action u/s 19 of the E(P) Act is yet to be initiated against the Project Proponent.

The EAC after detailed deliberation on the information submitted by the PP (EIA/EMP report, PH issues, Form 2, Annexures etc), **recommended** the proposal for grant of Environmental Clearance to the proposed proposal for extraction lime stone (1,25,130 TPA) from lease area measuring 4.4 Hectare located at Mauza Chitali & Shamah Pamta, Tehsil-Poanta Sahib, Distt -Sirmour, Himachal Pradesh subject to the compliance of following Specific conditions in addition to all Standard conditions applicable for such projects:

- i. EAC recommended for an amount of **Rs 8.13** lakhs towards Remediation plan and Natural and Community Resource Augmentation plan to be spent within a span of three years. The details of Remediation plan, Natural resource Augmentation plan and Community Resource Augmentation plan with budgetary provision are mention below:

Remediation Plan & Budgetary Provision						
S.No.	Environment Component	Activity Description	Budgetary Provision in Lakhs			Total in (Lakhs)
			1 st Year	2 nd Year	3 rd Year	

1.	Air Environment	Pavement of Road to the nearby kaccha rasta, @Rs. 600/sq.m. for 80 meter-long and 3 meter wide.	1.5	---	---	1.5
2.	Noise & land Environment	Plantation in the surrounding area, roadside. Total 300 Tress will be planted @400 Rs. Per tree. 100 trees every year.	0.4	0.4	0.4	1.2
3.	Water Environment	Channelization of rainwater and construction of Rainwater Harvesting tank	0.6	0.16	0.16	0.93
Total in (Lakhs)			2.5	0.56	0.56	3.63

Community Welfare Augmentation Plan and Budgetary Provisions					
S.No.	Activity Proposed	Budgetary Provision in Lakhs			Total in (Lakhs)
		1 st Year	2 nd Year	3 rd Year	
1.	Medical equipment will be provided to Primary Health Center Kamroo.	0.7	--	--	0.7
2.	Cost sharing for Medical aid by providing ambulance with two other mining leases as commitment made in P.H.	2.0	--	--	2.0
Total in (Lakhs)		2.7	--	--	2.7

Natural Resources Augmentation Plan and Budgetary provisions			
S.No.	Activity Proposed	Budgetary Provision in Lakhs	Total in (Lakhs)

		1st Year	2nd Year	3rd Year	
1.	Providing of 6 solar streetlights @30000/Light, 2 lights every year	0.6	0.6	0.6	1.8
Total in (Lakhs)		0.6	0.6	0.6	1.8

Summary

S. No.	Activity Proposed	Total in Lakhs
1.	Remediation Plan & Budgetary Provision s	3.63
2.	Natural Resources Augmentation Plan and Budgetary provisions	2.7
3.	Natural Resources Augmentation Plan and Budgetary provisions	1.8
Total in (Lakhs)		8.13

- i. Total budgetary provision with respect to Remediation plan and Natural & Community Resource Augmentation plan is Rs **8.13 lakhs**. Therefore, project proponent shall be required to submit a bank guarantee of an amount of Rs **8.13 lakhs/-** towards Remediation plan and Natural and Community Resource Augmentation plan with the SPCB prior to the grant of EC.
- ii. Remediation plan alongwith the Natural and Community Resource Augmentation Plan shall be completed in 3 years whereas bank guarantee shall be for 5 years. The bank guarantee will be released after successful implementation of the remediation plan and Natural and Community Resource Augmentation Plan, and after the recommendation by regional office of the Ministry, Expert Appraisal Committee and approval of the Regulatory Authority.
- iii. Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities, if applicable. State Pollution Control Board (SPCB) concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission.
- iv. Wild life Conservation plan as approved by the Competent Authority shall be implemented.

- v. The Environmental Clearance will not be operational till such time the Project Proponent complies with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.
- vi. State Government concerned shall ensure that mining operation shall not commence till the entire compensation levied, if any, for illegal mining paid by the Project Proponent through their respective Department of Mining & Geology in strict compliance of judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.
- vii. Effective dust suppression system shall be adopted at the transportation site and in the other parts of the mining lease to arrest the fugitive dust emission.
- viii. Project proponent shall take necessary other clearances/permissions under various Acts and Rules if any, from the respective authorities / department.
- ix. The mining lease holder shall, after ceasing mining operations, under take re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to condition which is fit for growth of fodder, flora and fauna etc.
- x. State Government/SPCB to take action against the Project Proponent under the provision of Section 19 of the E(P) Act.

44.3.2. Expansion of existing Bulk Drug and Indermeidates Manufacturing unit at IDA Gaddapotharam, Mandal Jinnaram, District Sangareddy (Telangana) by M/s Eytan Labs Limited - Further consideration for Terms of Reference Proposal No. IA/TG/IND2/64091/2017 and File No. J-11011/195/2017- IA-II(I)

Observations and recommendations of committee of 2ndEAC meeting held on 15-16th January, 2018:

The proposal is for ToR/EC to the project for manufacturing bulk drugs and its intermediates by M/s Eytan Labs Limited at Sy. No.10 & its parts, IDA Gaddapotharam, Jinnaram (M), District Sangareddy (Telangana).

Earlier, the EC was granted by the Ministry on 7th July, 2005 in favour of M/s Matrix Laboratories Limited Unit-VI for manufacturing of bulk drugs at the same premises. Later, M/s Eytan Labs Ltd purchased the unit of M/s Matrix Labs Unit-VI and one intermediate and neighbouring unit namely, M/s Biotech Pharma Ltd, and obtained consent to operate from APPCB vide their letter dated 28th July, 2012. After merger of both the units M/s Eytan Labs Limited obtained consent to establish on 21st December, 2012 for change in product mix without increase

in production capacity and pollution load. Subsequently, consent to operate was obtained on 20th December, 2016, which is presently valid up to 31st January, 2022.

Meanwhile, inspection was carried out by the Regional Office of the Ministry on 14th October, 2015 to monitor compliance status of the EC (dated 7th July, 2005 in favour of M/s Matrix Laboratories Limited Unit-VI). It has been reported that the CFO granted is not consistent with that permitted in the EC for manufacturing only one product (60 TPA), which is actually non compliance of the EC conditions by the SPCB and the project proponent as well.

The said project/activity is covered under category A/B of item 5(f) of Schedule to the EIA Notification, 2006, and requires prior EC from the concerned regulatory authority.

The unit is reported to be in operation without obtaining prior EC and as such amounts to violation of EIA Notification, 2006 under the Environment (Protection) Act, 1986.

The EAC, after detailed deliberations on the proposal, noted that the unit M/s Eytan Labs has been in operation since July, 2012 without any environmental clearance, which amounts to violation of the EIA Notification, 2006 and recommended for the following:-

(i) The State Government/SPCB to take action against the project proponent under the provisions of the Environment (Protection) Act, 1986, and further no consent to operate to be issued or renewed till the project is granted EC by the concerned regulatory authority.

(ii) The State Environment Impact Assessment Authority (SEIAA) also to take note of continuing industrial operations by the unit without obtaining prior EC, and recommend actions to the State Government/SPCB to stop the same.

Observations and recommendations of committee of EAC in its 44th meeting (present meeting) held during 18th – 19th February, 2021:

EAC observed that proposal was listed earlier for appraisal (2nd EAC), and EAC recommended following:

The State Government/SPCB to take action against the project proponent under the provisions of the Environment (Protection) Act, 1986, and further no consent to operate to be issued or renewed till the project is granted EC by the concerned regulatory authority.

(ii) The State Environment Impact Assessment Authority (SEIAA) also to take note of continuing industrial operations by the unit without obtaining prior EC, and recommend actions to the State Government/SPCB to stop the same.

EAC in the present meeting noted that Project Proponent did not attend the meeting. EAC, therefore opined that as recommended by the EAC in the earlier meeting, action against the project proponent under section 19 of the Environment (Protection) Act, 1986 shall be initiated by the State Government/SPCB and further no consent to operate to be issued or renewed till the

project is granted EC by the concerned regulatory authority. Further, Ministry may also initiate action and issue necessary directions to the Project Proponent as may be deemed fit.

44.3.3. Redevelopment of property at CTS No. 8, Borla Village, N. G. Acharya Marg, Chembur, Mumbai (Maharashtra) by M/s NavDurga Construction Company - Further consideration for Terms of Reference Proposal No. IA/MH/NCP/69846/2017 and File No. 23-13/2018-IA.III (V)

Observations and recommendations of committee of 3rdEAC meeting held on 30-31st January, 2018:

The project involves redevelopment of residential project of existing dilapidated buildings with total built up area of 59852.92 sqmin total plot area of 1,541.28sqmat CTS No.8, Borla Village, N G Acharya Marg, Chembur, Mumbai by M/s NavDurga Construction Company.

Planning/building permission was obtained from Municipal Corporation of Greater Mumbai (MCGM) vide their letter dated 13th December, 2013, after No objection certificate from MHADA on 24th June, 2013.

The said project/activity is covered under category B of item 8(a) of Schedule to the EIA Notification, 2006, and requires prior EC from the SEIAA in Tamil Nadu based on the appraisal by SEAC.

The application for seeking EC was submitted to SEAC-II in Maharashtra on 11th December, 2014, which was appraised in its meeting held on 23rd July, 2015. During the meeting, the Committee observed that out of 7 buildings (B1, B2, B3, B4, B5, B6 & A1), 5 buildings (B1, B2, B3, B4 & B5) with total construction area of 33820.50 sqm were already constructed without obtaining the prior EC. The Committee referred the matter to SEIAA for ascertaining alleged violation and action on violation under the EP Act, 1986.

Based on recommendations of SEAC, the Environment Department of the State Government vide letter dated 12th February, 2016 issued directions u/s 5 of the EP Act, 1986 for the alleged violation of the EIA Notification, 2006, which were replied by the project proponent on 10th March, 2016 & then on 2nd February, 2017. There has been no further communication/direction from SEAC/SEIAA for further action.

During deliberations, the Committee noted that the matter was still pending with the State Government of Maharashtra for adjudicating on their directions based on the reply submitted by the project proponent. Meanwhile, the Ministry has issued the OM dated 7th July, 2017 regarding clarification on the date of applicability of the Notification S.O.695(E) dated 4th April, 2011 defining 'Built up Area' of the project. The project proponent claimed to consider the proposal accordingly, and not to treat the case to be violation of the EIA Notification, 2006.

The EAC, after detailed deliberations on the proposal in terms of the provisions of the MoEF&CC Notification dated 14th March, 2017, opined that the State Government should first examine the proposal vis-a-vis the Ministry's OM dated 7th July, 2017 to decide further course of action. The

Committee further desired that the closure to the case should be done by the State Government of Maharashtra/SEIAA, and then only this case can be considered by this Ministry.

Observations and recommendations of committee of EAC in its 44th meeting (present meeting) held during 18th – 19th February,2021:

EAC noted that earlier proposal was considered in the 3rd EAC meeting held on 30-31st January, 2018. The Committee desired that the closure to the case should be done by the State Government of Maharashtra/SEIAA, and then only this case can be considered by this Ministry.

EAC in the present meeting noted that the Project Proponent did not attend the meeting therefore project could not be appraised for ToR.

EAC also deliberated on the observation of earlier EAC meeting and therefore opined that Ministry should verify about the action on the recommendation made in the earlier EAC meeting. If the action has not been initiated, Ministry may initiate action and issue necessary directions to the Project Proponent as may be deemed fit.

44.3.4. Baga- Bhalag Limestone and Shale mine (expansion from 3.10 MTPA to 5.25 MTPA) within existing lease area (324.479 Ha) located at Village Baga&Bhalag, Taluka Arki, District Solan, Himachal Pradesh by M/s UltraTech Cement Ltd. - Further consideration for Terms of Reference Proposal No. IA/HP/MIN/69006/2017 and File No. 23-224/2018-IA.III (V)

Project proponent alongwith the consultant made the detailed presentation and provided following information to the EAC:

Project description

The Proposal of M/s UltraTech Cement Ltd. is for Mining of Mining of Limestone & Shale from Baga Bhalag Limestone Mine for Total excavation of 5.25 MTPA [including Limestone production capacity of 4.725 Million TPA, Shale 0.525 Million TPA] from mining lease area (ML Area: 324.479 ha) located at Villages Baga & Bhalag , Taluka- Arki, District- Solan, Himachal Pradesh by UltraTech Cement Ltd.

Project Background

The Proposal of M/s UltraTech Cement Ltd. is for production of 5.25 Million TPA for EC was already obtained on 26.05.2016 and amended on 07.12.2020 for reduction in area. Mining lease area located at at Villages Baga & Bhalag , Taluka- Arki, District- Solan, Himachal Pradesh. The area is bounded between the coordinates latitude 31°19'8.38" N- 31°20'50.87"N & longitude 76°53'10.80"E – 76°54'41.48"E.

First EC was issued by MoEF&CC for the capacity of 3.10 MTPA limestone and Shale vide letter no. J-11015/11/2006-IA.II (M) Dated: 07.09.2006 in the name of M/s.

Jaiprakash Associates Limited. Mine is operation since 09.01.2011. During 2010-2015 company exceed the production capacity but in 2016 company obtained the Environment Clearance for the production capacity of 5.25 MTPA vide letter no. J-11015/105/2013.IA.II (M) Dated: 26.05.2016 in the name of M/s. Jaiprakash Associates Limited and no excessive production was done w.r.t 5.25 MTPA production Capacity. Which eventually transferred in the name of M/s. UltraTech Cement Limited vide letter dated 09.06.2020 and amended On 07.12.2020 w.r.t area reduction. This project is applied in compliance of Notification dated 14.03.2017.

Category of the Project (Refer cluster certificate if applicable)

The said project/activity is covered under Category “A” Project or Activity 1(a) – 3 of item “Mining of Mineral” of the Schedule to the EIA Notification, 2006 as amended, and requires prior EC from the MoEF&CC/SEIAA based on appraisal by Expert Appraisal Committee or the State Appraisal Committee in different. As this is the case for major as well as minor mineral; The same information is mentioned in ML grant letter dated 07.03.2005, later on added in ML deed as mineral limestone & shale, executed on 29.09.2007.

Violation Details & Sectorial EAC/SEAC Comments

First EC was issued by MoEF&CC for the capacity of 3.10 MTPA limestone and Shale vide letter no. J-11015/11/2006-IA.II (M) Dated: 07.09.2006 in the name of M/s. Jaiprakash Associates Limited. Mine is operation since 09.01.2011. During 2010-2015 company exceed the production capacity details are given below:

Year	EC sanctioned capacity (MTPA) (limestone + shale)	Actual production (MTPA)	Excess production beyond the EC sanctioned capacity (MTPA)
2010-11	3.10	3.35	0.25
2011-12	3.10	3.34	0.24
2012-13	3.10	4.33	1.23
2013-14	3.10	3.76	0.66
2014-15	3.10	3.77	0.67
2015-16	3.10	3.04	-
2016-17	5.25	2.49	-
2017-18	5.25	1.66	-
2018-19	5.25	2.98	-
2019-20	5.25	2.79	-
2020-21	5.25	1.84	-

In 2016 company obtained the Environment Clearance for the production capacity of 5.25 MTPA vide letter no. J-11015/105/2013.IA.II (M) Dated: 26.05.2016 in the name of M/s. Jaiprakash Associates Limited and no excessive production was done w.r.t 5.25

MTPA production Capacity. Which eventually transferred in the name of M/s. UltraTech Cement Limited vide letter dated 09.06.2020 and amended On 07.12.2020 w.r.t area reduction.

Following Credible actions were already taken:

1. Himachal Pradesh Pollution Control Board had filed a petition in the Hon'ble Court of Chief Judicial Magistrate, TC Arki District Solan, H.P. under Section 15, 16 & 19 of the Environment Protection Act, 1986 for the violation of the provision of EIA Notification 2006 against the company M/s Jaiprakash Associates Limited, vide case No. Environment Protection Act/0000001/2018
2. State Govt. of Himachal Pradesh has forwarded the matter to the Indian Bureau of Mines on 22.08.2015 to initiate suitable action as per MCDR, 1988. Indian Bureau of mines has filed a petition No. 4717/2016 in the Hon'ble court of Chief Judicial Magistrate, Dehradun on 24.11.2016 in respect of violation of rule 13(1) of MCDR and the case got disposed off on 10.02.2017.
3. NOC regarding No dues has been obtained from mining engineer Solan, HP on 07.12.2018.

Company submitted the application on 13.09.2017 and considered in 12th EAC (Violation Committee) on 28.08.2018 and after detailed deliberation committee deferred the project and sought additional details, in reply of company submitted the information on 24.04.2019. The project was scheduled to reconsider in 22nd EAC (Violation Committee) on 21.05.2019 but PP did not attend the meeting due to some reason. This project is applied in compliance of Notification dated 14.03.2017.

Application (Form-1 & PFR)

Company submitted the Application on 13.09.2017 and considered in 12th EAC (Violation Committee) on 28.08.2018 and after detailed deliberation committee deferred the project and sought additional Details, in reply of company submitted the information on 24.04.2019. The project was scheduled to reconsider in 22nd EAC (Violation Committee) on 21.05.2019 but PP did not attend the meeting due to some reason. This project is applied in compliance of Notification dated 14.03.2017.

Details of Minerals

Number of Minerals: **2 Mineral**

Whether mineral is major or minor: **Major as well as minor mineral**

Status of same mineral before 2006 (major or minor): **Major**

Letter of Intent (LoI)/Mining Lease Details

Initially the Mining Lease over an area of 331.4240 Ha was executed in favor of M/s Jaiprakash Associates; Jaypee Cement Plant on dated 29.09.2007. Further in term of

provision of Section 5 of MMDR Amendment Act, 2015, validity period of mining lease has been extended for a term of 50 years i.e. up to 28.09.2057 by Government of Himachal Pradesh vide letter dated 28.09.2015.

Further, after the request to the State Govt. for surrendering 6.9450 hectare private land (92-06 Bigha), Department of Industries, Govt. of Himachal Pradesh vide their letter No. Udyog-Bhu(Khani-4)Major-125/04-Vol-IV/3101 dated 30.03.2016 intended to exclude the same after submission of Approved copy of Final Closure Plan of the surrendered area and Modified Mining Plan for retained area(324.4790 ha).M/s Jaiprakash Associates has also obtained approval for the Modified Mining Plan from Indian Bureau of Mines over an area of 324.4790 hectares vide letter no. 614(2)/MP-A-216/05-DDN dated 05.10.2016 and the same has been transferred in the name of M/s UltraTech Cement Limited vide letter dated 16.11.2017.

Jaypee Himachal Cement Plant (JHCP) of M/s Jaiprakash associates Limited was taken over by M/s UltraTech Cement Limited with effect from 29th June, 2017 as per the scheme of arrangement approved by National Company Law Tribunal Bench Mumbai on 15th February, 2017 in case of UltraTech and National Company Law Tribunal Bench – Allahabad on 2nd March, 2017 in case Jai Prakash Associates Limited.Mining Lease Deed for 324.4790 ha area was executed in favor of M/s UltraTech Limited dt.05.08.2017 for the period up to 28.09.2057.

Method of Mining & Mining Plan Details

Mining Plan Details:

Modified Mining Plan over an area of 324.4790 ha approved in the name of M/s UTCL on 16.11.2017. Review of Mining Plan alongwith PMCP was approved on 25.01.2019.

Mining Method:

Opencast mechanized mines with the use of deep hole drilling and blasting.

Other Waste Generation, if any:

Solid Waste

Nil

Land Use (Forest/Agricultural/Waste)

	Forest Land	Govt. Land	Private Land	Total
(a) Pits & Quarries	1.56	24.59	20.03	46.18
(b) Dumps of ore, waste, topsoil & O.B.	nil	nil	nil	nil
(c) Infrastructure	nil	4.40	3.70	8.10

including of office, Road, Haulage, Foot Track				
(d) Habitation	nil	1.12	0.92	2.04
(e) Others (intact)				
(i) Forest land	23.7432	-	-	23.7432
(ii) Govt. Land	-	168.9305	-	168.9305
(iii) Private land	-	-	75.4853	75.4853
Total area	25.3032	199.0405	100.1353	324.4790

Detail of Past production since inception of mine authenticated by DMG:

Past production figures duly authenticated by Mining Officer, Solan, District-Solan (H.P) vide letter no. udhyog/SLN//MM/Lease/UltraTech/Vol-IV/2017-1555 Dated 17.02.2021.

Applicability of General Condition & Status of SEIAA:

Yes, Bandli Wild life Sanctuary at distance of 8.5 km in north direction and Majhathal Wild life sanctuary at distance of 4.5 km in SE. This project falls under Category A; therefore, Status of SEIAA is not applicable.

Details about the Aravalli/Doon Valley/Western Ghats/Eco-Sensitive area, if any:

None

Project Cost & Employment:

Environmental clearance letter was obtained in 26.05.2016 as amended on 07.12.2020. This project is applied in compliance of Notification dated 14.03.2017.

Affidavit for SC Order 02.08.2017:

Affidavit in compliance of judgment of Hon'ble Supreme Court dated 02.08.2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of common cause v/s. Union of India and Ors Same has been submitted with Annexure III of Agenda.

Status of DSR, in case of minor mineral

Shale is a minor mineral.

Observations and recommendations of committee of 12th EAC meeting held on 28th -29th August 2018:

The EAC, after detailed deliberations recommended to defer the proposal for want of following information

1. The Project Proponent shall give an undertaking by way of affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors. before grant of ToR/ EC. The undertaking interalia include commitment of the PP not to repeat any such violation in future.
2. Status of Forest Clearance and copy.

3. Documentary proofs for the credible action already taken by the state Government.
4. Detailed presentation to be made on violation of the before the EAC.
5. Status of Wild Life Clearance.
6. Certified production details since inception of mines from department of State Mines and Geology.

Observations and recommendations of committee of 22nd EAC meeting held on 21st -22nd May, 2019:

EAC observed that PP did not attend the meeting.

Observations and recommendations of committee of EAC in its 44th meeting (present meeting) held during 18th – 19th February, 2021:

After detailed presentation by the PP, EAC observed that Jaypee Himachal Cement Plant (JHCP), a unit of Jaiprakash Associates Limited (JAL) had set up an integrated Cement Plant to produce 2.05 MTPA clinker and 2.54 MTPA cement located in Baga village, Arki tehsil, Solan district, Himachal Pradesh after obtaining the EC on 18.05.2006 and plant operating since 2010. During the time period of year 2010 to 2013 The clinker production was exceeded up to 2.97 MTPA and after that company has obtained the EC on 24.12.2013. For Baga Limestone Mine, company has obtained EC for the capacity of 3.10 MTPA limestone and Shale over an area of 331.424 ha, on 07.09.2006 in the name of M/s. Jaiprakash Associates Limited.. EC was obtained for enhance capacity from capacity from 3.10 to 5.25 MTPA on 26.05.2016. Jaypee Himachal Cement Plant (JHCP) and mine of M/s Jaiprakash associates Limited was taken over by M/s UTCL w.e.f 29.06.2017 as per the Scheme of arrangement approved by NCLT Bench, Mumbai on 15.02.2017 in case of UTCL and NCLT Bench, Allahabad on 02.03.2017 in case Jai Prakash Associates Limited. Eventually Mining Lease was transferred in the name on M/s. UTCL for an area of 324.4790 ha (after deletion of 6.945 ha) on 12.07.2017 which was executed on 06.01.2018 with validity till 28.09.2057.

EAC further noted that PP has now submitted the affidavit in compliance to Ministrys OM dated 01st May 2018. PP further informed that mining operation was commenced from 9th January 2010. The limestone production capacity from captive limestone mine i.e, Baga Bhalag Limestone Mine was exceeded from 3.10 MTPA (from 2010-2011 to 2014-2015) due to increased clinker production capacity. Himachal Pradesh Pollution Control Board had filed a petition in the Hon'ble Court of Chief Judicial Magistrate, TC Arki District Solan, H.P. under Section 15, 16 & 19 of the Environment Protection Act, 1986 for the violation of the provision of EIA Notification 2006 against the company M/s Jaiprakash Associates Limited, vide case No. Environment Protection Act/0000001/2018. State Govt. of Himachal Pradesh has forwarded the matter to the Indian Bureau of Mines on 22.08.2015 to initiate suitable action as per MCDR, 1988. Indian Bureau of mines has filed a petition No. 4717/2016 in the Hon'ble court of Chief Judicial Magistrate, Dehradun on 24.11.2016 in respect of violation of rule 13(1) of MCDR and the case got disposed off on 10.02.2017. NOC regarding No dues has been obtained from mining engineer Solan, HP on 07.12.2018. Forest Clearance for diversion of 239.5096 ha Forest Land for Limestone Mining purpose was obtained from MoEF&CC (FC Division) on 2nd June, 2006 in the name of M/s.

Jaypee Himachal Cement Limited and the same has been transferred by MOEF CC in the name of M/s. Ultra Tech Cement Limited on 26. 07. 2017.

EAC further deliberated on the submission by the PP and decided that since EIA report covering production capacity of 5.25 MTPA and EMP of same capacity has already been viewed by the sectoral EAC and expansion EC is granted, committee therefore recommended to regularize only EC of capacity 3.10 MTPA under violation by stipulating specific ToR. PP therefore update/validate existing EIA/EMP report with additional chapter addressing the damage assessment and accordingly shall prepare remediation, natural and community resource augmentation plan. In regard to Public Hearing (PH), EAC noted that PH has already been done for the expansion project (5.25 MTPA, ML area: 331.424 ha) and there is no expansion in ML area, further. EAC therefore recommended that one time PH as per the order of Hon'ble High Court of Madras has already taken care and hence repeat PH is not required. EAC after detailed deliberation **recommended** for following specific ToR:

- i. Status of Court case filed by the MPCB against the PP under the Environment (Protection) Act, 1986 for violation of EIA Notification 2006, shall be submitted
- ii. The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The quantum shall be recommended by the EAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.
- iii. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
- iv. Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
- v. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants
- vi. One season fresh base line data shall be collected for updation of EIA/EMP reports.
- vii. The PP should also address the all the issues that were raised during the already held public hearing along with commitments made and with fund provision to address above issues in tabular form to be submitted along with EIA/EMP report.
- viii. Certified compliance report from the Regional Office of the MoEFCC for the existing EC conditions.

44.3.5. Existing and Proposed Expansion of Cosmaceutical, Active Pharmaceuticals And Specialty Chemicals manufacturing Unit at Plot No. 36A/B/60/62/63/64/65 and 83 & 84, KIADB Industrial Area, Jigani village, Anekal Taluk, Bengaluru District (Karnataka) by M/s Kumar Organic Products Ltd. - Further consideration for Terms of Reference

Proposal No. IA/KA/IND2/67915/2017 and File No. 23-47/2018-IA.III (V)

Observations and recommendations of committee of 15th EAC meeting held on 27th -29th November, 2018:

In light of the facts brought out by PP during the presentation and also the above observations of the Committee, the EAC recommended the following:

The violation had already been established by the SIEAA and KSPCB, and thereafter referred to the Ministry for consideration under the Notification SO 804 (E) dated 14.03.2017 and the same was considered in the 6th EAC meeting held on 20.04.2018 as per the provisions of the said Notification and recommended for issue of Terms of Reference. At this stage, the project proponent appealed to the Ministry to absolve the case of violation against the M/s Kumar Organic Product Ltd. Hence the Committee recommended that the project proponent may approach to SEIAA and KSPCB for appeal in this regard.

Observations and recommendations of committee of EAC in its 44th meeting (present meeting) held during 18th – 19th February,2021:

EAC observed that proposal was listed earlier for appraisal (15th), however, the project proponent appealed to the Ministry to absolve the case of violation against the M/s Kumar Organic Product Ltd. Hence the Committee recommended that the project proponent may approach to SEIAA and KSPCB for appeal in this regard.

In the present meeting, EAC noted that the PP did not attend the meeting therefore status on the project could not be ascertained. EAC however, opined matter may be referred to the Ministry to verify whether any reply was furnished by them, if not, then Ministry may initiate action and issue necessary directions to the Project Proponent as may be deemed fit.

44.3.6. Mining of Magnesite & Dunite (MLA 101.35 Ha, Production Capacity 41,857 ROM MTPA) mines at Village Jaghir Ammapalayam, Taluk Salem, District Salem (Tamil Nadu) by M/s SAIL Refractory Company Ltd. - Further consideration for Terms of Reference

Proposal No. IA/TN/MIN/64751/2017 and File No. 23-152/2018-IA.III (V)

Project Proponent alongwith the consultant made the detailed presentation and provided following information to the committee:

SRCL is the wholly owned subsidiary of Steel Authority of India Limited (SAIL). SAIL is the largest steel-making company in India and one of the seven *Maha Ratna*'s of the country's Central Public Sector Enterprises. The project involves mining of Magnesite in Tehsils Omalur & Salem of Salem District in Tamil Nadu. The proposed proposal is a violation case as the mining was carried out without obtaining EC since the inception of mine lease or during renewal of mine lease in 2001 which is violation of EIA notification 1994. The mine was operated based on Consent to Operate (CTO) from Tamil Nadu Pollution Control Board from 1991.

Mining lease was granted to M/s Burn Standard Company Ltd. for a period of 20 years from 01.09.1981 to 31.08.2001 vide G.O. No. 51 over an extent of 101.35 Ha. Ministry of Heavy Industries & Public Enterprises, GoI, vide memo dated 17.11.2011 transferred the Refractory unit of M/s BSCL at Salem with all assets, and liabilities to M/s Steel Authority of the India Limited (SAIL). Accordingly, M/s Steel Authority of the India Limited (SAIL) has owned the entire Magnesite Mines and Refractory Plant and named the unit as SAIL Refractory Company Limited (SRCL). Transfer of lease in the name of SRCL is under process and the same has been confirmed by Department of mines and Geology vide letter no RC.NO.45/2018/Mine A/Mag-1 on dated 24.09.2018, RC.NO.174/2018/Mine A on 22.02.2019 and 20.03.2020. As per notification dated 03.12.2015, The Mineral (Mining by Govt. Company) Rules 2015, the Mining lease is deemed to be granted till 31st August, 2031.

Salient features of the Project

1. Project Description

The Proposal of M/s SAIL Refractory Company is for Mining of Magnesite mineral for Total Excavation for ROM 41857 TPA, Magnesite (6% of the ROM) -2511 TPA, Rejects (94% from the ROM) - 39346 TPA from mining lease area 101.35 Ha located at Village Jaghir Ammapalayam, Tehsil Salem, District Salem, State Tamil Nadu by M/s SAIL Refractory Company.

2. Project Background

The proposal of M/s SAIL Refractory Company is for production of ROM 41857 TPA, Magnesite (6% of the ROM) -2511 TPA, Rejects (94% from the ROM) - 39346 TPA, ML Area 101.35 Ha, located at Survey No. 1/1, 163/1, 9/1, at Village Jaghir Ammapalayam, Tehsil Salem, District - Salem, State-Tamil Nadu. The mining lease is located on Survey of India Topo-sheet no. 58 I/2. The area is bounded between the coordinates Latitude N11°41'29.16" to N11°42'29.28" and Longitude E78°06'0.22" to E78°06'58.95".

3. Category of the project

The said project/activity is covered under category A of item 1 (a) of the Schedule to the EIA Notification, 2006 as amended, and requires prior EC from the MoEF&CC/SEIAA based on the appraisal by Expert Appraisal Committee or the State Expert Appraisal Committee in different.

4. Violation details & Sectorial EAC/SEAC Comments:

Complete detail about violation

The mining was carried out without obtaining EC since the inception of mine lease, and during the renewal of Mine lease in 2001.

Sub-committee of EAC (Violation), MoEF&CC was constituted for the site visit and the following observation was raised by the members after the site visit:

1. Present quarry area and working details
2. Mine lease details
3. Details of water supplied from mine to colony
4. Number of spoil dumps with each dump height and no of decks and surface area of each dump
5. Area available for excavation.
6. Spoil dumps reclamation details
7. Top soil dumping and spreading details
8. Spoil dumps reclamation
9. Soil quality before and after excavation done.
10. Plantation Schedule/Plan in the mined areas, over-burden dumping sites and along the boundary as well as along the road for ecological restoration.
11. Ground water quality before and after excavation

Chronological submission of all the events with recommendation of the committee

Particulars	Date
Application for Environment Clearance in Non Coal committee (Online submission of Form-I & PFR)	10.02.2017
Proposal consider in EAC (Non coal mining) In 16 th EAC meeting. Committee deferred the proposal and asked the PP to submit the past production details duly certified by the State Department of Mines and Geology to the Ministry and requested the Ministry to ascertain the violations and take a view	20.03. 2017
Baseline Data Collection Period (Recorded in 16th EAC (non-coal mining) meeting)	1 st March 2017 to 31 st May 2017
Application has been submitted in violation committee as per notification of 14.3.2017	19.05.2017
Proposal accepted in violation committee	20.06.2018
EAC (Violation) meeting for Grant of TOR	27.06.2018

Proposal was considered in 9 th EAC (Violation) meeting and the proposal was deferred with few observations and the reply for the same has been submitted.	16.11.2018
The sub-Committee of EAC violation visited the above projects and raised few observations	25.09.2018
Reply for the site visit observations was submitted to MoEF&CC	17.01.2019
Proposal was considered in 17 th EAC meeting Violation and few observation has been raised	29.01.2019
Now proposal considered in 44 th EAC meeting Violation	18.02.2020

5. Application (Form-1 & PFR)

Fresh application was made online vide proposal no. IA/TN/MIN/64751/2017 dated 19.05.2017 under **violation category** for Term of References (ToR) in terms of provision of the Ministry's Notification S.O 804 (E) and submitted Form-1 and PFR. The proposed project activity is covered under 'Schedule 1(a) of EIA Notification, 2006 and is a category 'A'.

6. Details of Minerals:

Number of minerals - 1

Whether mineral is major or minor—**(Major Mineral) - Magnesite**

Status of same mineral before 2006 (major or minor):**(Major Mineral) Magnesite**

7. **Letter of Intent (LoI)/Mining Lease Details**— Mining lease was granted to M/s Burn Standard Company Ltd. (BSCL, A Govt. of India Undertaking) Salem-636005, Tamil Nadu for a period of 20 years from 01.09.1981 to 31.08.2001 vide G.O. No. 51 dated 02.02.1987, over an extent of 101.35 Ha. The application for renewal of mining lease for next 20 years was made by M/s Burn Standard Company Ltd. as per norms on 17.8.2000, i.e. one year before the expiry of mining lease

As per the office memorandum dt 17th November 2011, of Ministry of Heavy Industries & Public Enterprises, Department of Heavy Industries, Government of India, the Refractory unit of M/s Burn Standard Company Ltd. at Salem with all assets, and liabilities was transferred to M/s Steel Authority of the India Limited (SAIL). Accordingly, M/s Steel Authority of the India Limited (SAIL) has owned the entire Magnesite Mines and Refractory Plant and named the unit as *SAIL Refractory Company Limited* (SRCL) w.e.f. 16.12.2011, since then the mining operation was continued by M/s SRCL.

As per notification dated 03.12.2015, The Mineral (Mining by Govt Company) Rules 2015, the Mining lease is deemed to be granted till 31st August, 2031.

Review of Mining Plan is prepared for this Lease covering an extent of 101.35 Ha for the plan period of 2016-2021, and is submitted to Indian Bureau of Mines, Chennai for approval and has been approved on dated 06.03.2017 by Regional controller of Mines.

8. Method of Mining & Mining Plan Details

- The Mining Plan was approved by IBM vide LR No.TN/SLM/MG/ROMP-1402.MDS dated 06/03/2017. As per which the method of mining shall be opencastSemi-mechanized etc.
- **Please provide the details of drilling & blasting, bench height and width, ultimate pit limited, ultimate pit slope, intersection of ground water table if any,**

Drilling & blasting	Shot hole drilling and blasting is followed to break the boulders and formations to reduce the size as desirable for feeding to jaw crusher.
Bench height	6m
Bench width	9m
Ultimate pit slope	45 ⁰
Ultimate pit limited	81m
Intersection of ground water table	Ground water wouldn't be intersected

- **Number of top soil dumps with area and capacity, no of waste/reject dump with area and capacity during the plan period and at the conceptual stage, backfilling plan if any-** Please refer page no 44 of approved review of mine plan.
- Details of crushers /screen/beneficiation plant if any with capacity and numbers, water requirement for the project, plantation details, and green belt details.

Crushers /screen/beneficiation	NA
Water requirement	30 KLD
Plantation details	Afforestation will be done to Reclaim the mining lease area as per approved mining plan at 2.66 Ha area

- **Land use as per mining plan at the end of plan period and at conceptual stage.**

S.No.	Description	Present Area (Ha)	Proposed
1.	Area under Mining	16.26.80	16.26.80
2.	Waste Dump	15.46.25	15.46.25
3.	Mine Roads	1.00.00	1.00.00
4.	Safety and Area under plantation	2.66.00	2.66.00
5.	Infrastructure	2.00.00	2.00.00
6.	Storage of topsoil	----	-----
7.	Mineral Storage	1.00.00	1.00.00
8.	IT Park area (Block-II)	53.05.0	53.05.0
9.	Virgin Area	9.90.95	9.90.95
	Total Area	101.35.0	101.35.0

Other waste generation, if any: 196004 MT at the end of 2021

9. Land Use (Forest/Agricultural/Waste):

[Details of necessary clearance/permission in case of Forest /Agricultural/ Waste land/Grazing land and water bodies involved in the ML Area]. In case Forest Land involved, furnish details about status of Forest Clearance]: NA

10. Details of past production since inception of mine authenticated by DMG

Production detail is given below from Deputy Director, department of Geology and Mining, Salem vide letter No Roc.45/2018/Mines A/Mag-2 Dated 1.11.2018 and Roc.333/2017/Mines A/ Dated 11/05/2017.

SI.No	Year	Magnesite in M.T G.O. No. 51
1.	1990-1991	1700
2.	1991-1992	21300
3.	1992-1993	4000
4.	1993-1994	3800
5.	1994-1995	4000
6.	1995- 1996	2000
7.	1996-1997	2000
8.	1997-1998	3750
9.	1998-1999	3750
10.	1999-2000	6500
11.	2000-2001	6600
12.	2001-2002	7430
13.	2002-2003	8150
14.	2003- 2004	9750
15.	2004-2005	9000

16.	2005-2006	8000
17.	2006-2007	7000
18.	2007-2008	5000
19.	2008-2009	6000
20.	2009-2010	0
21.	2010-2011	0
22.	2011-2012	17000
23.	2012-2013	6500
24.	2013-2014	6800
25.	2014-2015	4500
26.	2015-2016	5700
27.	2016-2017	4500

28. Applicability of General Condition & Status of SEIAA: NA

29. [Submit details about Aravalli/Doon Valley/ Western Ghats/Eco-Sensitive area, if any]. None

30. Project Cost and employment:

The Capital cost of the proposed Project is approximately 3.00 Crores and employment is 58 persons.

1. Project cost-3 crores
2. Employment-58
3. CER cost – will be decided after conduct of public hearing.

31. Affidavit for SC Order 2.08.2017: Attached as Annexure A

32. Status of DSR, in case of minor mineral: DSR has been approved by District Collector DEIAA, Salem and Revenue Divisional Officer, Salem dated 7/12/2018.

List of documents and certificates:-

SI.No.	Details	Remarks
1.	Authorization letter	Attached as Annexure-B
2.	Form-1 (signed)	Form 1 has been revised as per ADS and Attached as Annexure-C
3.	PFR (As per Guidelines)	Attached as Annexure-D
4.	Presentation Copy	Will be provided at the time of presentation
5.	Mining lease Deed/LoI	Attached with PFR as Annexure –I

Observations and recommendations of committee of 9thEAC meeting held on held on 27-28 June, 2018:

The EAC, after detailed deliberations on the proposal in terms of the provisions of the MoEF&CC Notification dated 14th March, 2017, recommended to defer the proposal from present for want of following information from project proponent:

- (i) Quantity of Minerals, OB and other minerals along with revised Form-1 to be submitted.
- (ii) Details of demand, if any, raised by Department of Mining and Geology, State Government.
- (iii) Details of payment, if any, made to Department of Mines & Geology, State Government.
- (iv) Validity of LOI/mine lease along with the documentary proof.
- (v) Details of past production of mine since its inception duly authenticated by Department of Mines & Geology, State Government.
- (vi) To submit the KML/Shape Files of the mine lease area at the time of presentation before EAC.

Observations and recommendations of committee of 17th EAC meeting held on held on 29th -31st January 2019:

EAC recommended to defer the project for want of following information: Valid mine lease along with the documentary proof in the name of M/s SAIL Refractory Company Ltd.

Observations and recommendations of committee of EAC in its 44th meeting (present meeting) held during 18th – 19th February,2021:

After detailed presentation by the PP, EAC observed that mining lease was granted to M/s Burn Standard Company Ltd. (BSCL, A Govt. of India Undertaking) Salem-636005, Tamil Nadu for a period of 20 years from 01.09.1981 to 31.08.2001 vide G.O. No. 51 dated 02.02.1987, over an extent of 101.35 Ha. The application for renewal of mining lease for next 20 years was made by M/s Burn Standard Company Ltd. as per norms on 17.8.2000, i.e. one year before the expiry of mining lease

Further, as per the office memorandum dt 17th November 2011, of Ministry of Heavy Industries & Public Enterprises, Department of Heavy Industries, Government of India, the Refractory unit of M/s Burn Standard Company Ltd. at Salem with all assets, and liabilities was transferred to M/s Steel Authority of the India Limited (SAIL). Accordingly, M/s Steel Authority of the India Limited (SAIL) has owned the entire Magnesite Mines and Refractory Plant and named the unit as *SAIL Refractory Company Limited* (SRCL) w.e.f. 16.12.2011, since then the mining operation was continued by M/s SRCL.

EAC further, noted the transfer of lease in the name of SRCL is under consideration and the same has been confirmed by Department of mines and Geology vide letter no RC.NO.45/2018/Mine A/Mag-1 on dated 24.09.2018, RC.NO.174/2018/Mine A on 22.02.2019 and 20. 03.2020.

On the valid mining lease document, EAC opined that as matter is under consideration in the concerned department of mining and geology for transfer of lease, ToR can be recommended, however PP is required to submit the valid mine lease documents at the time of submission of EIA/EMP report to the Ministry.

The EAC, after detailed deliberations on the information presented by the PP, **recommended** for issuing Standard Term of Reference along with the following specific Term of Reference for undertaking EIA and preparation of Environmental Management Plan (EMP):

- i.** The State Government/SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986, and further no consent to operate to be issued till the project is granted EC.
- ii.** The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The quantum shall be recommended by the EAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.
- iii.** Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
- iv.** Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
- v.** The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.
- vi.** The PP is required to conduct public hearing as per EIA notification, 2006.
- vii.** One season base line data is to be collected and reported in the EIA/EMP report.
- viii.** Mine plan approved by Indian Bureau of Mines to be submitted.
- ix.** DGMS permission is to be submitted for blasting at project site, if any.
- x.** The PP should also address the all the issues raised during public hearing along with commitments made and with fund provision to address above issues in tabular form to be submitted along with EIA/EMP report.
- xi.** Detailed hydrological study to be carried out in core and buffer zone of the project as per GEC 2015 guidelines.
- xii.** In case of violation of above undertaking, the ToR/Environmental Clearance shall be liable to be terminated forthwith.

- xiii. Budget of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage shall be completed within three years and to be prepared accordingly.
- xiv. The Action Plan on the compliance of the recommendations of the CAG as per Ministry's Circular No. J-11013/71/2016-IA.I (M), dated 25.10.2017 needs to be submitted at the time of appraisal of the project and included in the EIA/EMP Report.
- xv. Valid mine lease documents in the name of M/s Steel Authority of the India Limited (SAIL) shall be submitted.
- xvi. The details regarding observations raised by the Sub-Committee (Violation), MOEF&CC, during site visit and clarifications with reply given by the PP should also be incorporated in the EIA/EMP report at relevant chapters.

44.3.7. Limestone mining project of an area of 11.33.00 Ha near village Ranavav, Survey No. 78/5, Taluka Ranavav, District Porbandar (Gujarat) by M/s Shri Devabhai K Bhutiya - Further consideration for Terms of Reference Proposal No. IA/GJ/MIN/64676/2017 and File No. 23-150/2018-IA.III (V)

Above proposal was considered in 10th meeting held during 11.07.2018 wherein the EAC, after detailed deliberations on the proposal in terms of the provisions of the MoEF&CC Notification dated 14th March, 2017, confirmed the case to be of violation of the EIA Notification, 2006 and recommended to defer the proposal for want of following information from project proponent:

- (i) LOI/mine lease (second renewal) along with the valid documentary proof from the state department of Mines and Geology.
- (ii) Details of past production of mine since its inception duly authenticated by Department of Mines & Geology, State Government.
- (iii) Wild life clearance status.
- (iv) Permission from DGMS as state highway (SH-27) is passing through mine lease area.
- (v) Affidavit to be submitted regarding no drilling and blasting at the project site.
- (vi) Documents related to mining lease transfer.
- (vii) To submit the KML/Shape Files of the mine lease area at the time of presentation before EAC.

Observations and recommendations of committee of 15th EAC meeting held on 27th -29th November, 2018:

The project proponent could not submit the required documents and hence, requested to defer the proposal.

Observations and recommendations of committee of EAC in its 44th meeting (present meeting) held during 18th – 19th February, 2021:

Project Proponent did not attend the meeting, however vide letter dated 12.02.2021 requested to defer the project as they are not having valid mine lease document. EAC observed that proposal was listed earlier for appraisal and deferred as EAC sought certain additional information and in subsequent meeting PP did not attend the meeting. This time again PP did not attend, therefore EAC opined that Ministry may initiate action and issue necessary directions to the Project Proponent as may be deemed fit.

44.3.8. Mining of Magnesite and Dunite (Mine Lease Area 622.29 Ha, Production Capacity 26,43,936 MTPA ROM) at Village Thathaiyanagarpatti, Moongilpadi, Karuppur, Vellakkapatti, Mallamoopanpatti Taluk Omalur & Salem, District Salem (Tamil Nadu) by M/s SAIL Refractory Company Ltd.- Further consideration for Terms of Reference Proposal No. IA/TN/MIN/64734/2017 and File No. 23-166/2018-IA.III (V)

Project proponent alongwith the Consultant made the detailed presentation and provided following information to the EAC:

SRCL is the wholly owned subsidiary of Steel Authority of India Limited (SAIL). SAIL is the largest steel-making company in India and one of the seven *Maha Ratna*'s of the country's Central Public Sector Enterprises. The project involves mining of Magenesite and Dunite in Tehsils Omalur & Salem of Salem District in Tamil Nadu. The proposed proposal is a violation case as the mining was carried out without obtaining EC since the inception of mine lease and during renewal of mine lease in 2000, which is violation of EIA notification 1994. Highest production before 2006-2007 was in the years 1991-92 for Magnesite (1,00,000 T) and 2005-06 for Dunite (20,000 T). This was exceeded in the years 2006-2007 for Dunite (33,000 T) and 2008-09 for Magnesite (1,35,000 T). The mines was operated based on Consent to Operate (CTO) from Tamil Nadu Pollution Control Board from 1991 which was valid till 2014.

Mining lease was granted to M/s Burn Standard Company Ltd. (BSCL, A Govt. of India Undertaking) Salem-636005, Tamil Nadu for a period of 20 years vide G.O. No. 853 dated 05.06.1979, over an extent of 622.69 Ha and the lease deed was executed w.e.f. 21.4.1980 to 20.4.2000.

The application for renewal of mining lease was made by M/s Burn Standard Company Ltd. as per norms on 14.4.1999, i.e. one year before the expiry of mining lease. As per notification dated 03.12.2015, The mineral (Mining by Govt. Company) Rules 2015, the mining lease is deemed to be granted till 20.04.2030

Ministry of Heavy Industries & Public Enterprises, GoI, vide memo dated 17.11.2011 transferred the Refractory unit of M/s BSCL at Salem with all assets, and liabilities to M/s Steel Authority of the India Limited (SAIL)

Accordingly, M/s Steel Authority of the India Limited (SAIL) has owned the entire Magnesite Mines and Refractory Plant and named the unit as *SAIL Refractory Company Limited* (SRCL) w.e.f. 16.12.2011. Transfer of lease in the name of SRCL is under process and the same has been confirmed by Deputy director Department of mines and Geology vide letter no

RC.NO.45/2018/Mine A/Mag-1 on dated 24.09.2018, RC.NO.174/2018/Mine A on 22.02.2019 and 20.03.2020

Salient features:

1. Project Description

The Proposal of M/s SAIL Refractory Company Limited is for Mining of Magnesite & Dunite for the Excavation of ROM (2643936 TPA), Magnesite (115071 TPA), Dunite (67104 TPA), from mining lease area (622.69) located at Villages: Thathaiyanagarpatti, Moongilpadi, Karuppur, Vellakkalpatti, Mallamoopanpatti, Taluka Omalur, District-Salem, State Tamil Nadu by M/s M/s SAIL Refractory Company Limited (SRCL).

2. Project Background

The proposal of M/s SAIL Refractory Company Limited (SRCL) is for production of ROM (2643936 TPA), Magnesite (115071 TPA), Dunite (67104 TPA) from the Magnesite and Dunite mine (ML Area 622.69 Ha, located at Survey No. Block-1 Thathiangarpatti 123/3 (P), 124 (P), 125 (P), 135 (P), 136 (P), 137 (P). 145 (P) Block-II- MoongiJpadi: 54/3, 56/2 (P), 65;

Block-III Karuppur: 132/1, 198/3, 207/2, 207/3, 214; Block IV Vellakkalpatti and Mallamoopampatti: 90 (P), 3/1, 6/2 A, Tehsil Omalur & Salem, District Salem, State Tamil Nadu The mining lease is located on Survey of India Topo-sheet no. 58 I/2. The area is bounded between the coordinates Latitude 11°41'19.86645 "N to 11°44'55.08940"N and Longitude 78°5'10.30542E" to 78°8'51.75760E.

3. Category of the project

The said project/activity is covered under category A of item 1 (a) of the Schedule to the EIA Notification, 2006 as amended, and requires prior EC from the MoEF&CC based on the appraisal by Expert Appraisal Committee.

4. Violation details & Sectorial EAC Comments:

Violation:

- The mining was carried out without obtaining EC since the inception of mine lease and during renewal of mine lease in 2000.
- The mines was operated based on Consent to Operate (CTO) from Tamil Nadu Pollution Control Board from 1991

Comments/Recommendations of EAC:

Sub-committee of EAC(Violation), MoEF&CC was constituted for the site visit and the following observation was raised by the members after the site visit:

1. Present quarry area and working details

2. Mine lease details
3. Details of water supplied from mine to colony
4. Number of spoil dumps with each dump height and no of decks and surface area of each dump
5. Area available for excavation.
6. Spoil dumps reclamation details
7. Top soil dumping and spreading details
8. Spoil dumps reclamation
9. Soil quality before and after excavation done.
10. Plantation Schedule/Plan in the mined areas, over-burden dumping sites and along the boundary as well as along the road for ecological restoration.
11. Ground water quality before and after excavation.

Chronology

Particulars	Proposal nos	Date
Application for Environment Clearance (Non coal mining) (Online submission of Form-I & PFR)	IA/TN/MIN/62144/2017	31.01.2017
EDS reply to the application	IA/TN/MIN/62144/2017	09.02.2017
Acceptance of Proposal by MoEF&CC	F.No.- J-11015/01/2017-IA-II(M)	10.03.2017
Submission of Hard copy to MoEF&CC		16.03.2017
Proposal consider in 16 th EAC (Non coal mining) meeting; Committee deferred the proposal and asked the PP to submit the past production details duly certified by the State Department of Mines and Geology to the Ministry and requested the	IA/TN/MIN/62144/2017	20.03.2017
Application has been submitted in violation committee as per notification of 14.3.2017	IA/TN/MIN/64734/2017	19.5.2017
Guidance for approval for issue of mining plan when both Major/Minor minerals co-exist issued by Ministry of Mines (GOI)	Letter No. 16/106/2015-M.VI	12.07.2017

Baseline Data Collection Period		1 st March 2018 to 31 st March 2019
Acceptance letter for ToR application in violation committee	F.No.- 23-166/2018-IA.III (V)	05.07.2018
10 th EAC (Violation) meeting for Grant of TOR	F.No.- 23-166/2018-IA.III (V)	11.07.2018
ADS: Proposal consider in 10 th EAC (Violation) meeting and the proposal was defer with few observations and the reply for the same was submitted	IA/TN/MIN/64734/2017	16.11.2018
The sub-Committee of EAC violation visited the above projects and raised few observations		25.09.2018
Reply for the site visit observations was submitted to MoEF&CC		17.01.2019
proposal considered in 17 th EAC meeting Violation and raised Few		29.01.2019
Now the proposal has been considered in 44 th EAC meeting	IA/TN/MIN/64734/2017 F. No. 23-166/2018-IA.III (V)	18.02.2021

5. Application (Form-1 & PFR)

Fresh application was made online vide proposal no. IA/TN/MIN/64734/2017 dated 19.05.2017 under violation category for Term of References (ToR) in terms of provision of the Ministry's Notification S.O 804 (E) and submitted Form-1 and PFR . The proposed project activity is covered under 'Schedule 1 (a) of EIA Notification, 2006 and is a category 'A'

6. Details of Minerals:

Number of minerals. Two minerals are proposed 1. Dunite (Minor mineral) 2. Magnesite (Major Mineral) Status of same mineral before 2006 (major or minor): before 2006 Dunite comes under the category of major mineral.

7. Letter of Intent (LoI)/Mining Lease Details

Mining lease was granted to **M/s Burn Standard Company Ltd.** (BSCL, A Govt. of India Undertaking) Salem-636005, Tamil Nadu for a period of **20 years vide G.O. No. 853 dated**

05.06.1979, over an extent of 622.69 Ha and the lease deed was executed w.e.f. **21.4.1980 to 20.4.2000**. The application for renewal of mining lease was made by M/s Burn Standard Company Ltd. as per norms on **14.4.1999**, i.e. one year before the expiry of mining lease. Supplementary lease deed was also executed **on 20.3 1989** for exploitation of Dunite in addition to Magnesite. As per the office memorandum dated 17th November 2011, of Ministry of Heavy Industries & Public Enterprises, Department of Heavy Industries, Government of India, the Refractory unit of M/s Burn Standard Company Ltd. at Salem with all assets, and liabilities was transferred to M/s Steel Authority of the India Limited (SAIL). Accordingly, M/s Steel Authority of the India Limited (SAIL) has owned the entire Magnesite Mines and Refractory Plant and named the unit as SAIL Refractory Company Limited (SRCL) w.e.f. 16.12.2011. Since then the mining operation was continued by SRCL under deemed extension.

As per notification dated 03.12.2015, The Mineral (Mining by Govt Company) Rules 2015, the Mining lease is deemed to be granted till 20.04.2030 (50 years from date of grant).

Method of Mining & Mining Plan Details

- The Mining Plan was approved by IBM vide LR No. TN/SLM/MP/MG&DU/2051.MDS dated 12.11.2018. As per which the method of mining will be other than fully mechanized.

Please provide the details of drilling & blasting, bench height and width, ultimate pit limited, ultimate pit slope, intersection of ground water table if any,

Drilling & blasting	6m
Bench height	6m
Bench width	9m
Ultimate pit limited	66m
Ultimate pit slope	45 ⁰
Intersection of ground water table	Ground water wouldn't be intersected

- **Number of top soil dumps with area and capacity, no of waste/reject dump with area and capacity during the plan period and at the conceptual stage, backfilling plan if any,-** Please Refer Page No 91-97 of Approved Mine Plan
- **Details of crushers /screen/beneficiation plant if any with capacity and numbers, water requirement for the project, plantation details, green belt details-**

Crushers /screen/beneficiation	NA
Water requirement	90 KLD

Plantation details	Afforestation will be done to Reclaim the mining lease area as per approved mining plan. at 57.319 Ha area in next 5 years
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Land use as per mining plan at the end of plan period and at conceptual stage.

Description	Proposed Land Use Pattern				
	Block-I	Block-II	Block-III	Block-IV	Total
Area Under Mining	31.54	110.46	28.77	4.31	175.08
Storage of Top Soil	-	-	-	-	-
Overburden Dump	31.30.00	54.14.0	71.52.5	14.86.0	171.82.5
Mineral Storage	-	-	-	-	-
Infrastructure	3.64.00	1.00.00	1.00.0	0.25.00	5.89.00
Roads	5.00.00	10.00.00	8.00.0	1.00.0	24.00.0
Safety Area & Green Belt	1.50	3.65	11.00	3.00.0	19.15.0
Green belt	31.06.5	1.68.40	20.03.0	4.54.0	57.31.9
Virgin Area	4.44.50	48.36.60	56.42.50	60.19.0	169.42.6
Total	108.409	229.30	196.75.0	88.15.0	622.69

Description	Existing Land Use Pattern				
	Block-I	Block-II	Block-III	Block-IV	Total
Area Under Mining	31.54	110.46	28.77	4.31	175.08
Storage of Top Soil	-	-	-	-	-
Overburden Dump	30.03.00	52.40.5	71.52.5	14.86.0	168.82.00
Mineral Storage	-	-	-	-	-
Infrastructure	3.64.00	1.00.00	1.00.0	0.25.00	5.89.00
Roads	5.00.00	10.00.00	8.00.0	1.00.0	24.00.0
Safety Area & Green Belt	1.50	3.65	11.00	3.00.0	19.15.0
Green belt	30.06.5	0.68.40	19.53.0	4.04.00	54.31.90
Virgin Area	6.71.50	51.10.1	56.92.5	60.69.0	175.43.1
Total	108.490	229.30.0	196.75.0	88.15.0	622.69

8. **Other waste generation, if any:** Yes, 4.66 Million Ton at the end 2020

9. **Land Use (Forest/Agricultural/Waste):** [Details of necessary clearance/permission in case of Forest /Agricultural/ Waste land/Grazing land and water bodies involved in the ML Area]. In case Forest Land involved, furnish details about status of Forest Clearance].-NA

10. Details of past production since inception of mine authenticated by DMG

Production detail is attached below as per Deputy Director (Department of Geology and Mining Salam) letter no Roc.45/2018/ Mines A/Mag-1 on dated 1.11.2018 and Roc.333/2017/ Mines A on dated 8.05.2017.

Sl. No.	Year	Magnesite in M.T G:O. No.853	Dunite in M.T G.O. No.853
1	1990-1991	84000	NIL
2	1991-1992	100000	NIL
3	1992-1993	76000	NIL
4	1993-1994	62000	13929
5	1994-1995	61000	7000
6	1995-1996	46000	14000
7	1996-1997	50000	7000
8	1997-1998	58000	5500
9	1998-1999	57000	5500
10	1999-2000	48000	4250
11	2000-2001	39500	9000
12	2001-2002	35900	9000
13	2002-2003	32500	11000
14	2003-2004	61000	16000
15	2004-2005	75500	8000
16	2005-2006	69000.	20000
17	2006-2007	68000	33000
18	2007-2008	89000	23000
19	2008-2009	135000	28000
20	2009-2010	641 00	22000
21	2010-2011	85000	30000
22	2011-2012	68960	37870
23	2012-2013	80000.	23000
24	2013-2014	75000	15000
25	2014-2015	65000	13600
26	2015-2016	58000	12800
27	2016-2017	42000	1500

11. Applicability of General Condition & Status of SEIAA: NA

12. **[Submit details about Aravalli/Doon Valley/ Western Ghats/Eco-Sensitive area, if any].**
None

13. **Project Cost and employment:** Project cost-3 crores, Employment-434

14. **Status of DSR, in case of minor mineral:** DSR has been approved by DEIAA Salem on dated 07.12.2018.

Observations and recommendations of committee of 10th EAC meeting held on held on 11-12 July, 2018:

The EAC, after detailed deliberations on the proposal in terms of the provisions of the MoEF&CC Notification dated 14th March, 2017, confirmed the case to be of violation of the EIA Notification, 2006 and recommended to defer the project for want of following information:

- (i) Valid mine lease along with the documentary proof in the name of M/s SAIL Refractory Company Ltd.
- (ii) Transfer of mining lease details.
- (iii) Details of past production of mine since its inception duly authenticated by State Government Department of Mines & Geology.
- (iv) Clarification regarding amount of Magnesite and Dunite in the total ROM.
- (v) Copy of mine closure notice submitted to statutory authorities.
- (vi) Mining plan approval for Dunite.
- (vii) To submit the KML/Shape Files of the mine lease area at the time of presentation before EAC.

Observations and recommendations of committee of 17th EAC meeting held on held on 29th -31st January 2019:

EAC recommended to defer the project for want of following information:

Valid mine lease along with the documentary proof in the name of M/s SAIL Refractory Company Ltd.

Observations and recommendations of committee of EAC in its 44th meeting (present meeting) held during 18th – 19th February, 2021:

After detailed presentation, EAC noted the following:

SRCL is the wholly owned subsidiary of Steel Authority of India Limited (SAIL). SAIL is the largest steel-making company in India and one of the seven *Maha Ratna*'s of the country's Central Public Sector Enterprises. The project involves mining of Magnesite and Dunite in Tehsils Omalur & Salem of Salem District in Tamil Nadu.

Mining lease was granted to M/s Burn Standard Company Ltd. (BSCL, A Govt. of India Undertaking) Salem-636005, Tamil Nadu for a period of 20 years vide G.O. No. 853 dated 05.06.1979, over an extent of 622.69 Ha and the lease deed was executed w.e.f. 21.4.1980 to 20.4.2000.

The application for renewal of mining lease was made by M/s Burn Standard Company Ltd. as per norms on 14.4.1999, i.e. one year before the expiry of mining lease. As per notification dated 03.12.2015, The mineral (Mining by Govt. Company) Rules 2015, the mining lease is deemed to be granted till 20.04.2030

Ministry of Heavy Industries & Public Enterprises, GoI, vide memo dated 17.11.2011 transferred the Refractory unit of M/s BSCL at Salem with all assets, and liabilities to M/s Steel Authority of the India Limited (SAIL). Accordingly, M/s Steel Authority of the India Limited (SAIL) has owned the entire Magnesite Mines and Refractory Plant and named the unit as *SAIL Refractory Company Limited* (SRCL) w.e.f. 16.12.2011. Transfer of lease in the name of SRCL is under process and the same has been confirmed by Deputy director Department of mines and Geology vide letter no RC.NO.45/2018/Mine A/Mag-1 on dated 24.09.2018, RC.NO.174/2018/Mine A on 22.02.2019 and 20.03.2020

The proposed proposal is a violation case as the mining was carried out without obtaining EC since the inception of mine lease and during renewal of mine lease in 2000, which is violation of EIA notification 1994. On the valid mining lease document, EAC opined that as matter is under consideration in the concerned department of mining and geology for transfer of lease, ToR can be recommended, however PP is required to submit the valid mine lease documents at the time of submission of EIA/EMP report to the Ministry.

The EAC, after detailed deliberations on the information presented by the PP, **recommended** for issuing Standard Term of Reference along with the following specific Term of Reference for undertaking EIA and preparation of Environmental Management Plan (EMP):

- i. The State Government/SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986, and further no consent to operate to be issued till the project is granted EC.
- ii. The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The quantum shall be recommended by the EAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.
- iii. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
- iv. Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.

- v. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.
- vi. The PP is required to conduct public hearing as per EIA notification, 2006.
- vii. One season base line data is to be collected and reported in the EIA/EMP report.
- viii. Mine plan approved by Indian Bureau of Mines to be submitted.
- ix. DGMS permission is to be submitted for blasting at project site, if any.
- x. The PP should also address the all the issues raised during public hearing along with commitments made and with fund provision to address above issues in tabular form to be submitted along with EIA/EMP report.
- xi. Detailed hydrological study to be carried out in core and buffer zone of the project as per GEC 2015 guidelines.
- xii. In case of violation of above undertaking, the ToR/Environmental Clearance shall be liable to be terminated forthwith.
- xiii. Budget of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage shall be completed within three years and to be prepared accordingly.
- xiv. The Action Plan on the compliance of the recommendations of the CAG as per Ministry's Circular No. J-11013/71/2016-IA. I (M), dated 25.10.2017 needs to be submitted at the time of appraisal of the project and included in the EIA/EMP Report.
- xv. Valid mine lease documents in the name of M/s Steel Authority of the India Limited (SAIL) shall be submitted.
- xvi. The details regarding observations raised by the Sub-Committee (Violation), MOEF&CC,during site visit and clarifications with reply given by the PP should also be incorporated in the EIA/EMP report at relevant chapters

44.3.9. Alangulam Lime Stone Mine (MLA 180.83 Ha) at Village Alangulam & Lakshmipuram, Taluk Sivakasai, District Virudhunagar (Tamilnadu) by M/s Tamilnadu Cements Corporation Limited - Further consideration for Terms of Reference Proposal No. IA/TN/MIN/65890/2017 and File No. 23-167/2018-IA.III (V)

Project Proponent alongwith the consultant made the detailed presentation and interalia provided the following information:

1- Project description:

The Proposal of M/s Tamil Nadu Cements Corporation Limited is for Mining of Lime Stone from - Alangulam Limestone Mines - for Total Excavation 142880 Tonne per annum (TPA)-ROM {42864 TPA Mineral rejects, 13990 TPA Inter Burden, 85078 TPA Side Burden, 3534 TPA Top Soil etc}. from mining lease area (180.83.0 Ha) located at at Village Alangulam & Lakshmipuram, Taluk Sivakasai, District Virudhunagar, State-Tamil Nadu by M/s Tamil Nadu Corporation Limited.

2. Project Background:

The proposal of M/s Tamil Nadu Cements Corporation Limited is for production of 142880 Tonne per annum (TPA) Name of the Minerals-Lime Stone from -Name of the Mine-Alangulam Limestone Mines (ML Area 180.83.0 Ha, located at Survey No. 28, 29, 30/2 etc. in Alangulam Village & 169/3, 169/4 in Lakshmipuram Village. The mining lease is located on Survey of India Topo-sheet no.58-G/11. The area is bounded between the coordinates Latitude 9°22'20"N to 77°41'47"E and Longitude 9° 21'25"N to 77° 40'24"E.

3. Category of the Project (Refer cluster certificate if applicable):

The said project/activity is covered under category A of item 1(a) of the Schedule to the EIA Notification, 2006 as amended, and requires prior EC from the MoEF&CC based on the appraisal by Expert Appraisal Committee.

4. Violation Details & Sectorial EAC/SEAC Comments:

This is a case of violation of the provisions of the Environment (Protection) Act, 1986 as mine was operated without obtaining prior environmental clearance.

5. Application (Form-1 & PFR):

Fresh application was made online vide proposal no. IA/TN/MIN/65890/2017 dated 03 July 2017 under **violation category** for Term of References (ToR) in terms of provision of the Ministry's Notification S.O 804 (E) and submitted Form-1 and PFR. The proposed project activity is covered under 'Schedule 1 (a) of EIA Notification, 2006 and is a category.

6. Details of Minerals:

The project is only for excavation of Limestone, which is a Major Mineral.

7. Letter of Intent (LOI)/Mining Lease Details:

Letter from the Deputy Director of Mines and Geology, Virudhunagar district of Tamil Nadu vide G.O. No. 215/IND dated 18.09.1995 for a period of 20 years and lease expired on 23.11.2013 and the application for 2nd lease renewal was applied. As per MMDR act 2015, the validity of mining lease is extended to 31.03.2030.

8. Method of Mining & Mining Plan Details:

The method of mining is by fully mechanized open cast method; Jackhammers with compressors and wagon drills will be deployed for drilling. Deep hole blasting will be carried out to loosen the inset limestone. Slurry type of explosives with ANFO will be used for blasting. The spacing and burden will be 3m and the depth of the hole will be 10m. The hole is drilled to a depth of 10m, giving 10% sub grade drilling to avoid toe formation. The blasting will be restricted to two to three rows of drilling with each row consisting of 10 to 12 holes. The holes are drilled either in a staggered pattern or square pattern. Loading and transport of the mineral and waste will be done by Hydraulic excavators and tippers.

Bench Parameter	
Mining limit at depth	Upto 90m (max) depth
Bench height	6 m & 9 m
Bench Width	More than the height of the bench
Bench slop	60° from the Horizontal
No. of working Days in a Yr	300 days
No. of shift per days	One shift
width of Each Bench (Minimum)	6m & 9m
No. of working days per month	25 days

Drilling & Blasting:

Deep hole blasting will be carried out to loosen the insitu limestone. Slurry type of explosives with ANFO will be used for blasting. The spacing and burden will be 3m and the depth of the hole will be 6m and 9m, but the hole is drilled to a depth of 10, giving 10% sub grade drilling to avoid toe formation. The blasting will be restricted to two to three rows of drilling with each row consisting of 10 to 12 holes. The holes are drilled either in a staggered pattern or square pattern.

Drilling and blasting parameter are as follows:

Depth of each hole	10m
Diameter of hole	30-35 mm
Spacing between holes	3.0m
Burden for holes	3.0m
Pattern of hole	Staggered pattern or square pattern.
Inclination of holes	S60° W- N60° E (Vertical)
Use of delay detonators	15 to 25 holes will be blasted by using millisecond
Detonating fuse	Cord
Hole pattern	V pattern

Blasting:

In a single blast 15 to 25 holes will be blasted by using millisecond delay detonators and the holes are fired by means of series connection using “V” pattern initiation

Yield -3000 Tons
 Powder factor -5
 Total explosive required - 600 Kg Kg
 @20 % Booster -120 Kg Kg
 80 % ANFO - 480 Kg Kg
 Charges/ hole - 50 Kg
 Max. No. of holes blasted at a delay time - 6
 Charges per delay - 300 Kg

Types of explosives to be used

Two types of explosives are used. They are

- (i) Slurry explosives - Booster Charge, Column Charge
- (ii) Ammonium Nitrate mixed with Fuel Oil.

Power factor in ore and overburden/waste rock

Five tons per kilogram of explosives have been derived based on the past experience, which is highly suitable for the nature of the deposit and type of crusher used in our plant.

Whether secondary blasting is needed? If so, describe in brief

Yes, secondary blasting will be done. Jack hammer with 30-35mm dia with shallow holes is proposed for secondary fragmentation.

Storage of Explosives (Capacity and type of magazine)

The company has obtained explosives license to store explosives. The details of explosives magazine licenses are given below.

License No. & validity	Type of explosive	Class	Division	Quantity
E/HQ/TN22/3 (E88)	Nitrate mixture	2	0	8400 kg
Valid up-to 31.03.2020	Safety fuse	6	1	16000 m.
*applied for renewal	Detonating fuse	6	2	35000 m
E/SC/TN/22/424 (E32184)	Nitrate mixture	2	0	2000 kg
Valid up-to 31.03.2020	Safety fuse	6	1	12000 m
*applied for renewal	Detonating fuse	6	2	305 m
	Electric/ordinary detonators	6	3	13000 Nos.
E/HQ/TN/22/10 (E102)	Detonators	6	3	200000 Nos.
Valid up-to 31.03.2020				
*applied for renewal				
E/HQ/TN/22/24 (E146)	Nitrate mixture	2	0	9000 kg
Valid up-to 31.03.2020				
*applied for renewal				
E/SC/TN/25/28 (E19702)				9464 kg
Exp.Van-TCM 3618				

Valid up-to 31.03.2020 *applied for renewal				
--	--	--	--	--

Land use as per mining plan at the end of plan period and at conceptual stage-

Sl.No	Details	Land use pattern		
		As on date (in Ha.)	At end of scheme period (in Ha.)	At the end of life of mines (in Ha.)
1.	Mining (Quarry)	43.51.0	0.35.0	85.40.0
2.	Waste dump	18.27.0	-	8.71.0*
3.	Office & infrastructure	-	-	-
4.	Processing Plant	-	-	-
5.	Mineral stack processing yard	-	-	-
6.	Sub grade mineral stacks	-	-	-
7.	Mine roads	2.00.0	-	2.50.0
8.	Areas under plantation	-	0.75.0	0.75.0
9.	Un utilized area	117.05.0	115.95.0	83.47.0
10.	Total	180.83.0	117.05.0	180.83.0

9. Other Waste Generation, if any:

Generation of waste during the end of the life of the mine

Category	ROM (Ts)	Limestone @ 70% (Ts)	Mineral Rejects @ 30%(Ts)	Inter burden (Ts)	Topsoil (Ts)	Side Burden (Ts)	Total Waste (30% Mineral rejects + Interburden+ Sideburden) (Ts)
2020-21 From Jan 2021)	47630	33341	14289	25390	10044	141720	181399
2021-22	142880	100016	42864	13990	3534	85028	141882
2022-2023	142410	99687	42723	150	0	41595	84468
Tortal	332920	233044	99876	39530	13578	268343	407749

Dimension of waste dump during the end of the life of the mine

Dump	Length x Width x Height	Location in the lease area
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Dump Yard – 15 - Existing & Proposed topsoil temporary dump	197m x 160m x 1m	North
North Dump Yard – 17 - Proposed Mineral reject temporary dump	400m x 139m x 26.4m	
Dump Yard – 16	93m x 55m x 12m	
Dump Yard – 7a	113m x 73m x 12m	Centre
Dump Yard – 7b 180m x 106m x 15m	180m x 106m x 15m	
Dump Yard - 6	340m x 135m x 9m	
Dump Yard - 8	219m x 138m x 14m	
Dump Yard - 9	460m x 253m x 19m	South
Dump Yard - 10	117m x 80m x 12m	
Dump Yard - 5		
Dump Yard – 11 - Existing & Proposed side burden and interburden temporary dump	430m x 175m x 21.5m	
Dump Yard – 12a - Existing & Proposed topsoil temporary dump	216m x 66m x 10m	
Dump Yard – 12b	237m x 66m x 6m	

The waste does not consists any toxic substance in the form of solid, liquid and gas.

10. Land Use (Forest/Agricultural/Waste):

Mining lease area does not include any forest area. The existing land use pattern is government waste land. In the M.L area,

Additionally, the waste land and fallow land upon mining and suitable reclamation will results in beneficial rehabilitation of the derelict land. Emphasis will be on restoration of mined out lands to reservoir.

11. Details of past production since inception of mine authenticated by DMG:


Details of past production of mine since its inception duly authenticated by Department of Mines & Geology, State Government.

Year	G.O.215	G.O.427	G.O.871
1967-68	--	--	38451.760
1968-69	--	--	147502.330
1969-70	--	--	137418.540
1970-71	--	--	93386.680
1971-72	--	--	190552.860
1972-73	--	--	406990.850
1973-74	16075.920	--	397225.290
1974-75	2521.63	19145.440	280855.910
1975-76	198719.540	267961.750	142422.260
1976-77	428946.650	134867.760	5444.990
1977-78	370458.760	88764.860	7036.160
1978-79	536839.440	15472.570	--
1979-80	425817.310	21326.550	--
1980-81	463639.680	6615.480	12976.510
1981-82	443936.870	20742.990	--
1982-83	394489.090	10209.770	--
1983-84	368968.480	3303.050	--
1984-85	348642.340	53683.060	23111.780
1985-86	443347.650	40113.800	27328.040
1986-87	492680.010	--	--
1987-88	383683.300	60.180	--
1988-89	426502.680	2563.000	--
1989-90	356036.650	33543.200	--
1990-91	294421.174	20369.290	--
1991-92	314712.500	--	--
1992-93	298956.780	479.200	--
1993-94	256052.980	64299.320	46529.820
1994-95	266275.600	101780.000	2041.980
1995-96	262661.000	2485.000	--
1996-97	374210.000	10440.000	--

1997-98	156982.000	--	--
1998-99	155094.000	--	110021.110

Annexure II
Production details for the G.O.215, 427 and 871 since 1992 to 2018

Year	G.O.215	G.O.427	G.O.871
1999-2000	7947.750	53802.180	86775.390
2000-01	151084.470	38500.000	4883.800
2001-02	45989.700	111939.270	2500.000
2002-03	47500.130	110198.030	1671.050
2003-04	164475.530	42976.750	7499.990
2004-05	84949.330	84816.960	7888.950
2005-06	90396.090	97698.790	4348.330
2006-07	76048.940	82533.770	4750.690
2007-08	50392.620	52013.500	4141.070
2008-09	54469.350	49897.470	5559.830
2009-10	59888.010	35941.540	2972.980
2010-11	60132.720	72619.140	2967.720
2011-12	41617.180	37784.780	4477.330
2012-13	33682.000	41961.000	2994.000
2013-14	48165.160	42946.120	--
2014-15	30568.400	22159.230	--
2015-16	125810.510	42960.520	--
2016-17	60989.610	62288.590	37370.450
2017-18	--	--	--


Deputy Director,
Geology and Mining,
Virudhunagar.

S. R.

12. Applicability of General Condition & Status of SEIAA:

There is no forest, Wildlife Sanctuaries or Habitats for any Specific Wildlife within 10 km radius of the ML Area.

13. Aravalli/Doon Valley/ Western Ghats/Eco-Sensitive area:

There is no Aravalli/Doon Valley/ Western Ghats/Eco-Sensitive area within 10 km radius of the ML Area.

14. Project Cost & Employment:

The anticipated employment, likely to be generated, includes managerial & supervisory staff directly employment by the company and skilled, semi skilled workers through contractual. Total Manpower is 44 for proposed project. Total project cost is 16130 Lakhs.

15. Affidavit for SC Order 02.08.2017

Affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.

16. Status of DSR, in case of minor mineral:

Proposed project is for Limestone (Major Mineral) from existing Alangulam Limestone mines.

Observations and recommendations of committee of 10th EAC meeting held on 11-12 July, 2018:

The EAC, after detailed deliberations on the proposal in terms of the provisions of the MoEF&CC Notification dated 14th March, 2017, confirmed the case to be of violation of the EIA Notification, 2006 and recommended to defer the proposal for want of following information from project proponent:

- (i) Validity of LOI/mine lease along with the documentary proof.
- (ii) Details of past production of mine since its inception duly authenticated by Department of Mines & Geology, State Government.
- (iii) Certificate from Mines and Geology that PP has not carried out mining activity beyond mine lease boundary.
- (iv) Details of habitation in the mining lease area as per the observation of KML file
- (v) Permission from DGMS for blasting as village is within the mine lease area.
- (vi) Chronological details of CTE and CTO granted, if any.

Observations and recommendations of committee of EAC in its 44th meeting (present meeting) held during 18th – 19th February, 2021:

After detailed presentation by the PP, EAC observed that PP has gone for enhanced production beyond 1993-94 base year production level without taking prior EC hence violated the provision of the EIA notification under E (P) Act. EAC further noted PP has submitted the letter dated 12.07.2018 of Department of Mines and Geology wherein it was informed that lease for extension till 31.03.2030 is under consideration under MMDR Act 2015. EAC deliberated on other additional information sought in the earlier meeting. The EAC, after detailed deliberations on the information presented by the PP, **recommended** for issuing Standard Term of Reference along with the following specific Term of Reference for undertaking EIA and preparation of Environmental Management Plan (EMP):

- i. The State Government/SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986, and further no consent to operate to be issued till the project is granted EC.
- ii. The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The quantum shall be recommended by the EAC and finalized by the regulatory authority. The bank guarantee shall be released after

successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.

- iii. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
- iv. Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
- v. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.
- vi. The PP is required to conduct public hearing as per EIA notification, 2006.
- vii. One season base line data is to be collected and reported in the EIA/EMP report.
- viii. Mine plan approved by Indian Bureau of Mines to be submitted.
- ix. The PP should also address the all the issues raised during public hearing along with commitments made and with fund provision to address above issues in tabular form to be submitted along with EIA/EMP report.
- x. Detailed hydrological study to be carried out in core and buffer zone of the project as per GEC 2015 guidelines.
- xi. In case of violation of above undertaking, the ToR/Environmental Clearance shall be liable to be terminated forthwith.
- xii. Budget of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage shall be completed within three years and to be prepared accordingly.
- xiii. The Action Plan on the compliance of the recommendations of the CAG as per Ministry's Circular No. J-11013/71/2016-IA. I (M), dated 25.10.2017 needs to be submitted at the time of appraisal of the project and included in the EIA/EMP Report.
- xiv. Valid mine lease documents in the name of M/s Steel Authority of the India Limited (SAIL) shall be submitted.

44.3.10. Semra - Salatua Lime Stone Mine(ML Area- 621.21 Ha) at Village Semra-Salatua, Taluk Chainpur, District Palamu (Jharkhand) by M/s Jharkhand State Mineral

**Development Corporation Limited - Further consideration for Terms of Reference
Proposal No. IA/JH/MIN/65799/2017 and File No. 23-169/2018-IA.III (V)**

Observations and recommendations of committee of 10th EAC meeting held on 11-12th July, 2018:

Project proponent did not attend the meeting.

Observations and recommendations of committee of 28th EAC meeting held during 25th - 26th November, 2019:

Project proponent in the documents submitted provided the following information: Mining lease for the mine over an area of 1043.41 ha was granted to M/s Bihar State Mineral Development Corporation limited, a State Government Enterprises on 03.04.1976 for a period of 20 years. The lease expired on 02.04.1996. The BSMDC Ltd filed application for renewal of lease on 02.04.1995. With creation of Jharkhand State and formation of the Jharkhand State Mineral Development Corporation Ltd in 2002, the lease was transferred to JSMDCLtd. As per the provision of amended MMRD Act 2015, validity of lease stands extended to 02.04.2026 Mining operation continued till 2013. Earlier the ML was granted for an area of 1043.41 Ha. The proponent has applied to DMO Palamu for surrendering 422.20 Ha. MoEF&CC has granted diversion of 59.17 Ha of forest land out of the total forest land i.e 621.21 Ha.

Based on the information provided by the PP, EAC observed the following:

The proposal is submitted for 621.21 ha which is all forest land. Proponent has already made submission to State Government for surrender of 422.20 ha out of 1043.41 Ha as per the original holding with the proponent. It is further submitted by PP that currently 59.17 ha is broken up land out of 621.21 ha and this broken up land is also in the forest area. DSS also confirms that entire mine lease area is in forest land.

It is further understood from the proponent that they may restrict their mining operations in 59.17 ha which is in patches in total land area of 621.21 ha. In case mining activity is restricted up to 59.17 ha, proposal may qualify for appraisal by the State SEIAA/SEAC. Hence, due to complexity associated with the mine lease area, proposal was not technically appraised and deferred for want of following information:

- i. PP need to submit acceptance of surrender of land by the State Government which currently has raised ADS on them as pre-requisite seeking IBM mine approved closure plan for consideration of case at the state.
- ii. Mine lease document that mine lease is valid upto 2026 for a mine lease area of 621.21 ha.
- iii. Submission of 6 (1 C) for mining of discontinuous lease.
- iv. Details of past production to be submitted in the Annexure II.
- v. Details of revised mining plan and mine closure plan.
- vi. Proof of submission of forest clearance application for balance forest land.
- vii. Details of violation along with the chronology to be submitted in the Annexure II

Observations and recommendations of committee of EAC in its 44th meeting (present meeting) held during 18th – 19th February, 2021:

EAC observed that proposal was listed earlier for appraisal and deferred as EAC sought certain additional information. This time PP did not attend, therefore EAC opined that Ministry may initiate action and issue necessary directions to the Project Proponent as may be deemed fit.

Day 2: 19th February, 2021

44.4.1. Expansion in production capacity from 10 TPM to 19.50 TPM of existing products and additional new (five) products of fine chemicals, bulk drug intermediates at Survey No. 11/2, KIADB Industrial Area, Attibele Hobli, Anekal Taluk, Bangalore (Karnataka) by M/s Sonia Organics - Environmental Clearance Proposal no. IA/KA/IND3/197114/2017 and File No. 23-102/2018-IA.III (V)

The Project Proponent and the accredited Consultant M/s. Samrakshan, made a detailed presentation on the salient features of the project and informed that:

- i. The proposal is for environmental clearance to the project Active Pharmaceutical Ingredients (APIs), specialty chemicals and intermediates manufacturing industry with R&D at No. 11/2, Attibele KIADB Industrial Area, Balagaranahalli Village, Anekal Taluk, Bangalore - 562105 by M/s. Sonia Organics.
- ii. The project proposal was considered by the Expert Appraisal Committee for the proposal involving violation of EIA Notification, 2006 in its 12th meeting held during 28th-29th August 2018 and recommended Terms of Reference (ToRs) for the Project. The ToR has been issued by Ministry vide letter No. 23-102/2018-IA-III(V) dated 16-12-2020.
- iii. All Synthetic organic chemicals industry (bulk drugs and intermediates) are listed at S.N. 5(f) of Schedule of Environment Impact Assessment (EIA) Notification under category 'A' and are appraised at Central Level by Expert Appraisal Committee (EAC) for the proposal involving violation of EIA Notification.
- iv. Existing land area is 4,552.72 m², no additional land will be used for proposed expansion.
- v. Industry has developed greenbelt in an area of 20% i.e., 910.54 m² out of total area of the project. However, adjacent plot viz. sy. no. 49/1 is taken on lease by M/s. Sonia Organics for car parking & green-belt development.
- vi. The estimated project cost is Rs 18.08 Crores including existing investment of Rs. 11.58 Crores. Total capital cost earmarked towards environmental pollution control measures is Rs. 1.5 Crores and the Recurring cost (operation and maintenance) will be about Rs. 0.5014 Crores per annum.

- vii. Total Employment will be 74 Persons as direct & 20 persons indirect after expansion. Industry proposes to allocate Rs.23 Lakhs towards Corporate Environmental Responsibility (CER) as per Ministry's O.M. No. 22-65/2017-IA.III dated 30th September 2020.
- viii. There are no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/ Elephant Reserves, Wildlife Corridors etc. within 10 km distance from the project site. Balagaranahallilakeis at a distance of 0.17 km in South direction.
- ix. Ambient air quality monitoring was carried out at 8 locations during November 2018 to January 2019 and the baseline data indicates the ranges of concentrations as: PM₁₀(60.5 – 73.7 µg/m³), PM_{2.5}(40.2 – 53.8 µg/m³), SO₂(12.1 – 27.8 µg/m³) and NO_x(13.8 – 36.2 µg/m³). AAQ modeling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be 1.27 µg/m³, 0.464 µg/m³ and 2 µg/m³ with respect to PM₁₀, SO_x and NO_x. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).
- x. Total water requirement is 28.4 m³/day of which fresh water requirement of 18.7m³/day will be met from private water tankers.
- xi. Effluent of 17.2m³/day will be treated through Multi-Effect Evaporator (MEE) followed by Agitated Thin Film Drier (ATFD) and biological treatment system. The plant will be based on Zero Liquid discharge system.
- xii. Power requirement after expansion will be 160 kVA including existing 160 kVA and will be met from Bangalore Electricity Supply Company Limited. Existing unit has 2 DG sets of 250 & 125 kVA each capacity, additionally no DG sets are used as standby during power failure. Stack (height 5 m ARL for each) is provided as per CPCB norms to the DG sets.
- xiii. Existing unit has 2TPH briquettes Fired boiler. Additionally, no boiler will be installed. Multi cyclone separator with a stack of height of 30 m AGL is installed for controlling the particulate emissions within the statutory limit of 115 mg/Nm³ for the boiler.
- xiv. Details of Process emissions generation and its management.

<i>SI. no.</i>	<i>Stack attached to</i>	<i>Fuel used</i>	<i>Number of stacks</i>	<i>Stack/s height</i>	<i>Air pollution control unit</i>
<i>EXISTING</i>					
1	Thermic fluid heater – 1 lakh kilo Calories/h – 1 no.	HSD	1	9 m AGL	Stack
2	Process section	-	3	3 m ARL for each	Venturi scrubbers – 3 no.s
<i>PROPOSED</i>					
3	Thermic fluid heater – 2 lakh kilo	HSD	1	14 m AGL	Stack

	Calories/h – 1 no.				
4	Process section (kilo lab)	-	1	3 m ARL	Venturi scrubber – 1 no.
5	R&D & pilot plant	-	2	3 m ARL for each	Venturi scrubbers – 2 no.s

xv. Details of Solid waste/Hazardous waste generation and its management.

Solid waste

Type of waste	Quantity generated	Management
Municipal solid waste	23 kg/day	Segregated at source, collected in bins, composted and reused within the industry premises.
Boiler ash	410 kg/month	Used as manure within the industry premises and excess if any will be given to farmers for use as soil conditioner.

Hazardous solid waste

Waste category*	Hazardous waste generated	Quantity, MTPA	Mode of disposal
		Total after expansion	
28.3	Spent catalyst – activated carbon	0.9	Stored in a secure manner on impervious surface and disposed to KSPCB authorized facilities for reactivation & re-use.
5.1	Used oil from DG sets	0.24 KL	Disposed to KSPCB authorized re-processors.
28.6	Spent solvents	43 KL	Stored in a secured manner and handed over to KSPCB authorized recyclers.
20.3	Organic residue	4	Disposed to KSPCB authorized incinerator/ cement kiln.
33.2	Contaminated used plastics	1.2	Disposed to KSPCB authorized incinerator/ cement kiln.
33.1	Discarded containers	2,400 no.s	Stored in a secured manner and handed over to KSPCB authorized recyclers.
35.3	Residue from multi-effect evaporator	144	Stored in a secure manner and disposed as per KSPCB authorization.
35.3	Filtration waste from wastewater treatment	49	Stored in a secure manner and disposed as per KSPCB authorization.

xvi. Public Hearing is not required as per OM by MoEF&CC vide no. F.No.22-28/2020-IA.III dated 12.11.2020.

M/s. Sonia Organics is located in designated industrial area of Attibele Karnataka Industrial Areas Development Board (KIADB) Industrial Area, Balagaranahalli Village, Anekal Taluk, Bangalore 562105.

The industrial area established by KIADB on 01-02-1997 as per the official publication in the Karnataka gazette. As the Unit is in industrial area public hearing is exempted as per EIA notification, 2006.

xvii. Status of Litigation Pending against the proposal, if any.–**There is no litigation pending against industry.**

xviii. The details of products and capacity as under:

S.No.	Product Details	Existing quantity, kg/annum	Existing quantity, Kg/M	Proposed quantity, kg/annum	Proposed quantity, kg/M	Total quantity, kg/annum	Total quantity, kg/M
1	MEKP (Methyl Ethyl Ketone Peroxide) catalyst	60,000	5000	0		60,000	5000
2	Cobalt octane	60,000	5000	0		60,000	5000
3	Glucosamine HCl	0		72,000	6000	72,000	6000
4	Methyl sulphonyl methane	0		24,000	2000	24,000	2000
5	Magnesium ascorbate	0		6,000	500	6,000	500
6	Calcium ascorbate	0		6,000	500	6,000	500
7	Calcium dobesilate	0		6,000	500	6,000	500
Total		1,20,000	10000	1,14,000	9500	2,34,000	19500

Observations and recommendations of committee of EAC in its 44th meeting (present meeting) held during 18th – 19th February, 2021:

After detailed presentation by the EAC note that the present application is for production capacity of 19.50 TPM including existing products (**10.0 TPM**) and additional new (five) products of fine chemicals (**9.5 TPM**). EAC noted that PP has established the unit for manufacturing of 10 t/month manufacturing of MEKP catalyst and Cobalt Octate without prior environmental clearance hence violated the provisions of the EIA Notification 2006. EAC also noted that CTE for new products

obtained from KSPCB with a condition to obtain EC, However, these products were not manufactured as CTO was not granted by KSPCB.

The Ministry of Environment Forests and Climate Change (MoEF&CC) issued an office memorandum vide no. F.No.22-28/2020-IA.III dated 12.11.2020 which states that “while considering the applications for Environmental Clearance under the violation category as per the provisions of S.O. 804(E) dated 14.03.2017, the EACs/SEACs may insist for public hearing to be conducted only for those categories of projects for which EIA Notification, 2006 itself requires public hearing to be conducted. The Industry is located in Industrial area therefore PH is not required in the instant case. EAC also observed that credible action u/s 19 of the E(P) Act has not yet been filed by the State/State PCB. EAC deliberated on the on the damage assessment cost and activities proposed under RP, NRA and CRA. EAC noted that PP has submitted the combined RP, NRA and CRAP. EAC advised PP to rework on the activities separately under RP, NRA and CRAP and submit it through email. As advised by the EAC, PP has submitted the revised plan vide letter dated 22.02.2021.

EAC after detailed deliberation on the information submitted by the PP (EIA/EMP report, PH issues, Form 2, Additional information, Annexure etc), **recommended** the proposal for grant of Environmental Clearance subject to the compliance of the following Specific conditions in addition to all Standard conditions applicable for such projects:

- i. EAC recommended for an amount of Rs 37.0 lakhs towards Remediation plan and Natural and Community Resource Augmentation plan to be spent within a span of three years. The details are given on next page:

Remediation Plan

Sl. No.	Environmental attribute	Details	Total budget allocation, Lakh	Proposed year of implementation		
				2021-22	2022-23	2023-24
				Financial provision in Lakhs		
1	Air & noise	Green-belt development around Balagaranahalli Lake – Planting 200 tree saplings at Rs. 500/- per sapling. In addition to the plantation scheme within the site proposed in the EIA/EMP report <u>Species proposed to be planted:</u> Neem, Honge, Peepal, Mango and other local species.	1	0.4	0.3	0.3
2.	Land &	Avenue plantation in	5	2	1.5	1.5

	Ecology	community areas – Balagaranahalli, Sriramanagar, Madivala, Yadavanahalli, Neraluru and Itchangur.				
		Planting 1,000 tree saplings at Rs 500/- per plant				
		<u>Species proposed to be planted:</u> Neem, Honge, Peepal, Mango and other local species.				
3	Water	Providing drinking water facility at Rs 0.7 Lakhs per facility to nearby villages – Balagaranahalli, Sriramanagar, Madivala, Yadavanahalli, Neraluru with a total investment of Rs. 3.5 Lakhs.	3.5	1.2	1.2	1.1
4	Socio- economics	Support to nearby Government schools (books, school, benches, computers, toilets etc. as per requirement) – Yadavanahalli, Neraluru, Kamblipura, Balagaranahalli	4	1.3	1.3	1.4
TOTAL			13.5	4.9	4.3	4.3

Natural Resource Augmentation plan with year wise budget

Sl. No.	Environmental attribute	Details	Total budget allocation, Lakh	Proposed year of implementation		
				2021-22	2022-23	2023-24
				Financial provision in Lakhs		
1	Air & noise	Green-belt development around Hennagara lake – Planting 220 tree saplings at Rs. 500/- per sapling. In addition to the plantation scheme within the site proposed in the	1.1	0.4	0.4	0.3

		EIA/EMP report				
		<u>Species proposed to be planted:</u> Neem, Honge, Peepal, Mango and other local species.				
2.	Land & Ecology	Avenue plantation in community areas – Balagaranahalli, Sriramanagar, Madivala, Yadavanahalli, Neraluru and Itchangur.	5	2	1.5	1.5
		Planting 1,000 tree saplings at Rs 500/- per plant				
		<u>Species proposed to be planted:</u> Neem, Honge, Peepal, Mango and other local species.				
TOTAL			6.1	2.4	1.9	1.8

Community Resource Augmentation plan with year wise budget

Sl. No.	Environmental attribute	Details	Total budget allocation,	Proposed year of implementation		
				2021-22	2022-23	2023-24
			Lakh	Financial provision in Lakhs		
1	Socio-economics	Health camp at Balagaranahalli, Modivala, Yadavanahalli	3	1	1	1
2	Socio-economics	Converting of mud approach road to industrial area by cement concrete road – 4 m width – 500 m stretch and allied works	14.4	5	5	4.4
TOTAL			17.4	6	6	5.4

Summary:

SI No.	Details	Total budget allocation Lakh
1.	Environmental damage remediation	13.5
2.	Natural resource augmentation	6.1

3.	Community resource augmentation	17.4
	Total	37.0 lakhs

- ii. Total budgetary provision with respect to Remediation plan and Natural & Community Resource Augmentation plan is Rs 37.0 lakhs. Therefore, project proponent shall be required to submit a bank guarantee of an amount of Rs. 37.0 lakhs towards Remediation plan and Natural and Community Resource Augmentation plan with the SPCB prior to the grant of EC.
- iii. Remediation plan shall be completed in 3 years whereas bank guarantee shall be for 5 years. The bank guarantee will be released after successful implementation of the remediation plan and Natural and Community Resource Augmentation Plan, and after the recommendation by regional office of the Ministry, Expert Appraisal Committee and approval of the Regulatory Authority.
- iv. Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities, if applicable. State Pollution Control Board (SPCB) concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission.
- v. In pursuance to the Ministry's OM dated 30.09.2020, Project Proponent shall take up the following activities for community development under EMP

Sl. No.	Details	Total Budget allocation, Lakh	Proposed Year of implementation		
			2020-21	2021-22	2022-23
			Financial Provision in Lakhs		
1	Green-belt development around Muthanallur Lake – Planting 1000 tree saplings at Rs. 500/- per sapling. <u>Species proposed to be planted:</u> Neem, Honge, Peepal, Mango and other local species.	5	2	2	1
2	Providing new anganwadi with kitchen of 20 × 20 sft at Guddatti village. (existing facility is very old and damaged)	10	3	3	4
3	Donation to PM cares COVID19 fund	5	5	-	-
4	Providing twelve corona virus	3	1	1	1

	scanners – environmental control/detoxification equipment in primary health centers, temples and other public places in the study area of 10 km radius around the industry				
	TOTAL	23	11	6	6

- vi. Preventive measures to be taken to control ignition sources in bulk storage area and fire protection system to be established above ground storage tanks. Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.
- vii. Proper precautions to be taken to prevent inadvertent mixing of chemicals. Standard operating procedures to be strictly followed during handling of chemicals.
- viii. Solvents shall be stored in a separate space specified with all safety measures. Project Proponent shall keep inventory of solvents and fuel not more than five days. Sensors for odours will be installed at sensitive locations.
- ix. Project Proponent to ensure proper disposal of Hazardous wastes.
- x. Project Proponent shall create green belt (peripheral plantation) as per guidelines of MoEFCC in the additional area as requested by the PP adjoining the present boundary.

44.4.2. Alangulam Lime Stone Mines-II (ML Area 420.25.0 Ha) at Villages Gopalapuram & Vadakarai of Rajapalayam Taluk & Village Lakshmipuram of Sivakasi Taluk, District Virudhunagar (Tamilnadu) by M/s Tamilnadu Cements Corporation Limited - Further consideration for Terms of Reference

Proposal No. IA/TN/MIN/66248/2017 and File No. 23-170/2018-IA.III (V)

Project Proponent along with the consultant made the detailed presentation and provided following information to the EAC:

Project description:

The Proposal of M/s Tamil Nadu Cements Corporation Limited is for Mining of Lime Stone from - Alangulam Limestone Mines II- for Total Excavation 260708 Tonne per annum (TPA)- ROM {78212 TPA Mineral rejects, 192600 TPA Inter Burden/OB/Side Burden, 4271 TPA Top Soil etc}. from mining lease area (420.25.0 Ha) located at Near Village – Gopalapuram, Lakshmipuram & Vadakarai Tehsil- Vembakkottai, District- Virudhunagar, State- Tamil Nadu by M/s Tamil Nadu Corporation Limited.

2. Project Background:

The proposal of M/s Tamil Nadu Cements Corporation Limited is for production of 260708 Tonne per annum (TPA) Name of the Minerals-Lime Stone from -Name of the Mine- Alangulam Limestone Mines II (ML Area 420.25.0 Ha), located at Survey No. 27/1,3,4,6-8,10,12,15,29/2,4,6-8,10,11, 30/1-4,7,9, 31/1-4,7, 32/1,4,5, 34/1-9, 11-13,35/2,4,5-1,13,15, 36/1-3,9, 115/10B,11B, 116/4-6, 117/2,4, 121/1, 123/4,5,8, 124/2B etc. 27/2,5,9,11,13,14,16,17,28,29/1,3,5, 7,9,3/5,6,8,31/5,6,8,- 1,32/2,3,6-8,33,34/6,10,35/1,3,11,12,14,36/4-8,37,116/1, etc. 118/3, 120/2, 121/7, 123/4, 133/2 etc. in village Lakshmipuram, Gopalapuram, Vadakarai, The mining lease is located on Survey of India Topo-sheet no.58-G/11. The area is bounded between the coordinates Latitude 9° 21' 40.04"N to 9° 21' 34.26" N and Longitude 77° 40' 11.22"E to 77° 40' 14.00"E.

3. Category of the Project (Refer cluster certificate if applicable):

The said project/activity is covered under category A of item 1(a) of the Schedule to the EIA Notification, 2006 as amended, and requires prior EC from the MoEF&CC based on the appraisal by Expert Appraisal Committee.

4. Violation Details & Sectorial EAC/SEAC Comments:

This is a case of violation of the provisions of the Environment (Protection) Act, 1986 as mine was operated without obtaining prior environmental clearance.

5. Application (Form-1 & PFR):

Fresh application was made online vide proposal no. IA/TN/MIN/66248/2017 dated 17th July 2017 under **violation category** for Term of References (ToR) in terms of provision of the Ministry's Notification S.O 804 (E) and submitted Form-1 and PFR. The proposed project activity is covered under 'Schedule 1 (a) of EIA Notification, 2006 and is a category.

6. Details of Minerals:

The project is only for excavation of Limestone, which is a Major Mineral.

7. Letter of Intent (LOI)/Mining Lease Details:

Letter from the Deputy Director of Mines and Geology, Virudhunagar district of Tamil Nadu vide G.O. No. 871/IND dated 20.08.1990 for a period of 20 years and lease expired on 23.11.2013 and the application for 2nd lease renewal was done. As per MMDR act 2015, the validity of mining lease is extended to 31.03.2030.

8. Method of Mining & Mining Plan Details:

Mining is being carried out by fully mechanized opencast method of mining maximum rated limestone production is 182496 Tonnes/Annum. The bench height of 9m and working bench width of 25 m will be maintained with bench slope of 60° to the vertical.

Mine is worked by conventional system of mining i.e. by drilling and blasting. Wagon drill with 110 mm dia is used for drilling and blasting is conducted using slurry explosives with delay detonators. Limestone and OB is loaded into 35 ton dumper will be restricted to 50m bgl i.e. up to 52 m AMSL

Bench Parameter

Mining limit at depth	Upto 35m (max) depth
Bench height	9 m
Bench Width	25 m
Bench slop	60° from the Vertical
No. of working Days in a Year	300 days
No. of shift per days	Two shift
width of Each Bench (Minimum)	9m or above
No. of working days per month	25 days

Drilling & Blasting:

For drilling, pneumatically operated wagon drills is used in combination with the diesel operated compressors. The diameter of drill hole is 110mm. Wagon drills of Ingersoll make is used for primary drilling, the depth of the holes are 9.0 m to 9.5 m. For secondary drilling 33 mm dia jack hammers are used and portable diesel air compressor of 465 cfm capacity of Kirlosker make are utilized for wagon drilling and secondary drilling. Deep whole blasting is carried with slurry explosives with electric delay detonators and detonating fuse. It was proposed in the mining plan to do drilling with deep hole and necessary permission was obtained from DGMS to conduct the deep hole blasting, the same was hardly practiced

Drilling and blasting parameter are as follows:

Depth of each hole	10m
Diameter of hole	110 mm
Spacing between holes	3.0m
Burden for holes	3.0m
Pattern of hole	Staggered
Inclination of holes	80° From (horizontal)
Use of delay detonators	25ms delays
Detonating fuse	cord
Hole pattern	V pattern

Blasting:

In a single blast 15 to 25 holes will be blasted by using millisecond delay detonators and the holes are fired by means of series connection using “V” pattern initiation

Yield -2000 Tons
 Powder factor -5
 Total explosive required - 400 Kg Kg
 @20 % Booster -80 Kg Kg
 80 % ANFO - 320 Kg Kg
 Charges/ hole - 51 Kg
 Max. No. of holes blasted at a delay time - 6
 Charges per delay - 51 Kg

Types of explosives to be used

License No. & validity	Type of explosive	Class	Division	Quantity
E/HQ/TN22/3 (E88)	Nitrate mixture	2	0	8400 kg
Valid up-to 31.03.2020	Safety fuse	6	1	16000 m.
*applied for renewal	Detonating fuse	6	2	35000 m
E/SC/TN/22/424 (E32184)	Nitrate mixture	2	0	2000 kg
Valid up-to 31.03.2020	Safety fuse	6	1	12000 m
*applied for renewal	Detonating fuse	6	2	305 m
	Electric/ordinary detonators	6	3	13000 Nos.
E/HQ/TN/22/10 (E102)	Detonators	6	3	200000
Valid up-to 31.03.2020				Nos.
*applied for renewal				
E/HQ/TN/22/24 (E146)	Nitrate mixture	2	0	9000 kg
Valid up-to 31.03.2020				
*applied for renewal				
E/SC/TN/25/28 (E19702)				9464 kg
Exp.Van-TCM 3618				
Valid up-to 31.03.2020				
*applied for renewal				

Land use as per mining plan at the end of plan period and at conceptual stage-

Sl.No	Details	Land use pattern		
		As on date (in Ha.)	End of fifth, mining plan period (in ha.)	Life of the mine (in ha.)
1.	Mining pit	15.00	16.586.0	53.640
2.	Top soil stack	0.50	0.50	0.00.0
3.	Waste dump	8.00.0	8.00	31.74
4.	Road	6.26	6.30	4.030
5.	Infrastructure	1.05	1.05	0.002
6.	Green belt	5.61	6.6060	54.95
7.	Total	36.42	39.042	144.62
8.	Undisturbed area	388.83	381.208	275.888
	Total	420.25.0	420.25.0	420.25.0

9. Other Waste Generation, if any:

Generation of waste during the end of the life of the mine

Year	Pit No.	Total Tentative Excavation (Tonnes)	Top Soil (Tonnes)	OB/SB/IB (Tonnes)	Limestone (Tonnes) (70%)	Mineral Reject (Tonnes)(30%)	Total Waste	ROM/Waste Ratio (Tonnes)
							(Tonnes)	
2018-19	Year 2018-19 is already expire due to unavailability of Environment Clearance, Administrative problems & Unavailability of Man power, So We will not proposed production development in this year 2018-19.							
1/9/2019-20	Pit V	258359	1522	24159	180851	77508	103189	2.50
2020-21	Pit V	257823	0	95678	180476	77347	173025	1.49
2021-22	Pit V	259245	4271	144348	181472	77774	226393	1.15
2022-23	Pit V	260708	0	19620	182496	78212	97832	2.66
Total		1036135	5793	283805	725295	310841	600439	

There is no sub grade mineral. The anticipated waste during the present Plan period is about 594645 tonnes (30% mineral rejects + side burden+ Soil). The mineral rejects and side burden are proposed to be dumped in the SW side of the lease area respectively. 5793 tonnes of topsoil would be generated during the present Plan period and it is proposed to be dumped in the North side of the lease area and will be utilized for afforestation purposes.

10. Land Use (Forest/Agricultural/Waste):

Mining lease area does not include any forest area. The existing land use pattern is government waste land. In the M.L area,

Additionally, the waste land and fallow land upon mining and suitable reclamation will results in beneficial rehabilitation of the derelict land. Emphasis will be on restoration of mined out lands to reservoir.

11. Details of past production since inception of mine authenticated by DMG:

Details of past production of mine since its inception duly authenticated by Department of Mines & Geology, State Government.

Year	G.O.215	G.O.427	G.O.871
1967-68	--	--	38451.760
1968-69	--	--	147502.330
1969-70	--	--	137418.540
1970-71	--	--	93386.680
1971-72	--	--	190552.860
1972-73	--	--	406990.850
1973-74	16075.920	--	397225.290
1974-75	2521.63	19145.440	280855.910
1975-76	198719.540	267961.750	142422.260
1976-77	428946.650	134867.760	5444.990
1977-78	370458.760	88764.860	7036.160
1978-79	536839.440	15472.570	--
1979-80	425817.310	21326.550	--
1980-81	463639.680	6615.480	12976.510
1981-82	443936.870	20742.990	--
1982-83	394489.090	10209.770	--
1983-84	368968.480	3303.050	--
1984-85	348642.340	53683.060	23111.780
1985-86	443347.650	40113.800	27328.040
1986-87	492680.010	--	--
1987-88	383683.300	60.180	--
1988-89	426502.680	2563.000	--
1989-90	356036.650	33543.200	--
1990-91	294421.174	20369.290	--
1991-92	314712.500	--	--
1992-93	298956.780	479.200	--
1993-94	256052.980	64299.320	46529.820
1994-95	266275.600	101780.000	2041.980
1995-96	262661.000	2485.000	--
1996-97	374210.000	10440.000	--

1997-98	156982.000	--	--
1998-99	155094.000	--	110021.110

Annexure II
Production details for the G.O.215, 427 and 871 since 1992 to 2018


Year	G.O.215	G.O.427	G.O.871
1999-2000	7947.750	53802.180	86775.390
2000-01	151084.470	38500.000	4883.800
2001-02	45989.700	111939.270	2500.000
2002-03	47500.130	110198.030	1671.050
2003-04	164475.530	42976.750	7499.990
2004-05	84949.330	84816.960	7888.950
2005-06	90396.090	97698.790	4348.330
2006-07	76048.940	82533.770	4750.690
2007-08	50392.620	52013.500	4141.070
2008-09	54469.350	49897.470	5559.830
2009-10	59888.010	35941.540	2972.980
2010-11	60132.720	72619.140	2967.720
2011-12	41617.180	37784.780	4477.330
2012-13	33682.000	41961.000	2994.000
2013-14	48165.160	42946.120	--
2014-15	30568.400	22159.230	--
2015-16	125810.510	42960.520	--
2016-17	60989.610	62288.590	37370.450
2017-18	--	--	--

S. Pt


 Deputy Director,
 Geology and Mining,
 Virudhunagar.

Annexure II
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2015-16	125810.510	42960.520	--
2016-17	60989.610	62288.590	37370.450
2017-18	--	--	--


Deputy Director,
Geology and Mining,
Virudhunagar.

S. R.

12. Applicability of General Condition & Status of SEIAA:

There is no forest, Wildlife Sanctuaries or Habitats for any Specific Wildlife within 10 km radius of the ML Area.

13. Aravalli/Doon Valley/ Western Ghats/Eco-Sensitive area:

There is no Aravalli/Doon Valley/ Western Ghats/Eco-Sensitive area within 10 km radius of the ML Area.

14. Project Cost & Employment:

The anticipated employment, likely to be generated, includes managerial & supervisory staff directly employment by the company and skilled, semi skilled workers through contractual. Total Manpower is 30 for proposed project. Total project cost is 3640 Lakhs.

15. Affidavit for SC Order 02.08.2017

Affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors.

16. Status of DSR, in case of minor mineral:

Proposed project is for Limestone (Major Mineral) from existing Alangulam Limestone mines-II.

Observations and recommendations of committee of 10th EAC meeting held on held on 11-12 July, 2018:

The EAC, after detailed deliberations on the proposal in terms of the provisions of the MoEF&CC Notification dated 14th March, 2017, confirmed the case to be of violation of the EIA Notification, 2006 and recommended to defer the proposal for want of following information from project proponent:

- (i) LOI/mine lease (second renewal) along with the valid legible documentary proof.
- (ii) Details of past production of mine since its inception duly authenticated by Department of Mines & Geology, State Government.
- (iii) Certificate from Mines and Geology that PP has not carried out mining activity beyond mine lease boundary.
- (iv) Permission from DGMS for blasting as village inhabitant are in/near to mine lease area.
- (v) Details of habitation in the mining lease area.
- (vi) Chronological details of CTE and CTO granted, if any.

Observations and recommendations of committee of EAC in its 44th meeting (present meeting) held during 18th – 19th February, 2021:

After detailed presentation by the PP, EAC observed that PP has gone for enhanced production beyond 1993-94 base year production level without taking prior EC hence violated the provision of the EIA notification under E (P) Act. EAC further noted PP has submitted the letter dated 12.07.2018 of Department of Mines and Geology wherein it was informed that lease for extension till 31.03.2030 is under consideration under MMDR Act 2015. EAC deliberated on other additional information sought in the earlier meeting. The EAC, after detailed deliberations on the information presented by the PP, **recommended** for issuing Standard Term of Reference along with the following specific Term of Reference for undertaking EIA and preparation of Environmental Management Plan (EMP):

- i. The State Government/SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986, and further no consent to operate to be issued till the project is granted EC.

- ii.** The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The quantum shall be recommended by the EAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.
- iii.** Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
- iv.** Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
- v.** The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.
- vi.** The PP is required to conduct public hearing as per EIA notification, 2006.
- vii.** One season base line data is to be collected and reported in the EIA/EMP report.
- viii.** Mine plan approved by Indian Bureau of Mines to be submitted.
- ix.** The PP should also address the all the issues raised during public hearing along with commitments made and with fund provision to address above issues in tabular form to be submitted along with EIA/EMP report.
- x.** Detailed hydrological study to be carried out in core and buffer zone of the project as per GEC 2015 guidelines.
- xi.** In case of violation of above undertaking, the ToR/Environmental Clearance shall be liable to be terminated forthwith.
- xii.** Budget of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage shall be completed within three years and to be prepared accordingly.
- xiii.** The Action Plan on the compliance of the recommendations of the CAG as per Ministry's Circular No. J-11013/71/2016-IA. I (M), dated 25.10.2017 needs to be submitted at the time of appraisal of the project and included in the EIA/EMP Report.
- xiv.** Valid mine lease documents in the name of M/s Steel Authority of the India Limited (SAIL) shall be submitted.

44.4.3. Hiwardara Limestone & Dolomite Mine (ML Area 171.09 Ha) at Village Hiwardara, Taluka Wani, District Yavatmal (Maharashtra) by M/s Shree Bajrang Sales Pvt. Ltd. - Further consideration for Terms of Reference

Proposal No. IA/MH/MIN/66799/2017 and File No. 23-172/2018-IA.III (V)

1. Project description

The Proposal of M/S Shree Bajrang Sales Pvt.Ltd is for Mining of -Limestone and Dolomite- from -Hiwardhara Limestone and Dolomite Mine- for Total Excavation 0.2 Million Tonne per annum (MTPA)/ / Tonne per annum (TPA) [including 0.02 million tons of Waste, O.B, Inter Burden, Top Soil etc.] from mining lease area (171.09 Ha) located at Village Hiwardhara Tehsil Wani District Yavatmal, State Maharashtra by M/s Shree Bajrang Sales Pvt.Ltd

2. Project Background

The proposal of M/S Shree Bajrang Sales Pvt.Ltd is for production of Million Tonne 0.2 per annum (MTPA)/ / Tonne per annum (TPA of limestone and Dolomite from - Hiwardhara Limestone and Dolomite Mine (ML Area 171.09 Ha, located at Survey No.71, 73 to 99 at Villages Hiwardhara Tehsil Wani, District Yavatmal State Maharashtra The mining lease is located on Survey of India Topo-sheet no 56 I/13 The area is bounded between the coordinates Latitude 19050'28" N to 19050'57" N and Longitude 78053'08" E to 78053'31" E

3. Category of the Project (Refer cluster certificate if applicable)

The said project/activity is covered under category A of item I (A) of the Schedule to the EIA Notification, 2006 as amended, and requires prior EC from the MoEF&CC/SEIAA based on the appraisal by Expert Appraisal Committee or the State Expert Appraisal Committee in different

4. Violation Details & Sectorial EAC/SEAC Comments:

1. The project was appraised by REAC (Non-Coal Mining Sector) in the 36th meeting held on 29/30th July 2015 and their observations are reproduced as below;
 - It was observed by the Committee that the mine operated from 2005- 2009 without EC; therefore this is a violation case. The action on violation may be taken by Ministry. The presentation of the project was not as per the TOR compliance, therefore committee could not discuss the project and decided to defer the proposal.
2. Further the project was again appraised by the Violation Committee during their 10th Meeting dated 11/12 July 2018. The observations of this committee are as under
 - The EAC, after detailed deliberations on the proposal in terms of the provisions of the MoEF&CC Notification dated 14th March, 2017, confirmed the case to be of violation of the EIA Notification, 2006 and recommended to defer the proposal for want of following information from project proponent:
 - (i) Submission of valid documents for mine lease.

- (ii) Lease plan authenticated by State mines and Geology department.
- (iii) Copy of closure of mining activity.
- (iv) Details of past production of mine since its inception duly authenticated by Department of Mines & Geology, State Government.
- (v) Permission from DGMS as village inhabitant are near to mine lease area.
- (vi) Submission of revised mining plan.
- (vii) Chronological details of CTE and CTO granted, if any.
- (viii) To submit the KML/Shape Files of the mine lease area at the time of presentation before EAC.

5. Application (Form-1 & PFR)

Fresh application was made online vide proposal no. Proposal No. IA/MH/MIN/66799/2017

dated 21.07.2017 under violation category for Term of References (ToR) in terms of provision of the Ministry's Notification S.O 804 (E) and submitted Form-1 and PFR . The proposed project activity is covered under 'Schedule I (A) of EIA Notification, 2006 and is a category 'A'

6. Details of Minerals:

Number of minerals. Whether mineral is major or minor. Status of same mineral before 2006 (major or minor): The proposed mining will be carried out for Limestone and Dolomite. Limestone is a major mineral and Dolomite is a minor mineral before 2006.

7. Letter of Intent (LoI)/Mining Lease Details:

- Letter from the Deputy Director of Mines and Geology, vide Order No. MMN-1120/48/IND-9 dated 03.01.2003 and the lease deed was executed for no. 30 of years w.e.f 26.04.2005 date and is valid till 25.04.2035. However, the DGM on vide order No MLV-Y-9(2)/2204/2017 dated 26.09.2017 declaring the mining lease in favour of the applicant as lapsed.
- Necessary application for the revival of this lease was made on 10.03.2018.
- DGM vide their letter dated 25.04.2019 had raised the demand for payment of Dead Rent, In fulfillment of the same a part payment (29.01.2021) has been made

8. Method of Mining & Mining Plan Details:

The Mining Plan was approved by IBM/DMG vide LR No. dated 20.03.2003 Progressive Mine Closure Plan approved on 30.06.2004.. As per which the method of mining shall be opencast / mechanized This includes removal of overburden, drilling by diesel compressors & jackhammer drills, blasting and removal of Limestone & Dolomite to the surface screening and sizing. Bench height 3 m and width 5 m with ultimate pit limit will be 15 m from the top. There is no intersection of the ground water table

- Only one top soil and one waste dump has been proposed with an area of 2.78 ha and 1.38 Ha respectively to accommodate 17864 m³ of soil and 50000 m³ of rejects. There is no proposal for backfilling.
- There is no proposal for crushing only screening and sizing. Water requirement is 60 m³/day. Plantation is proposed on 16.67 Ha at the end of 15th year covering 25000 trees of local species.
- Land use as per mining plan at the end of plan period and at conceptual stage.

9. Other Waste Generation, if any: Nil

10. Land Use (Forest/Agricultural/Waste): There is no forest land. The Agriculture land 116.02 Ha will be acquired through mutual consent and balance 55.07 Ha Government Land will be acquired as procedure in vogue.

11. Details of past production since inception of mine authenticated by DMG

Prepare table of past production in word format with reference to DMG letter no KA VI/ Khanikarm/BHO Ma Pra Saha/Pra Kha/20 dated 29th September 2018.

Sr No.	Year	Mineral	Production without Environmental Clearance (tonnes)
1.	2008-09	Limestone	2257
2.	2009-10	Limestone	11403

12. Applicability of General Condition & Status of SEIAA : NA

13. [Submit details about Aravalli/Doon Valley/ Western Ghats/Eco-Sensitive area, if any] : NA

14. Project Cost & Employment:

[Furnish-Details of Project Cost & Employment. Project Cost : 112 Lakhs, Employment 127 persons including skilled and unskilled

15. Affidavit for SC Order 2.08.2017:

Note: Submit affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors. Enclosed

Observations and recommendations of committee of 10th EAC meeting held on held on 11-12 July, 2018:

The EAC, after detailed deliberations on the proposal in terms of the provisions of the MoEF&CC Notification dated 14th March, 2017, confirmed the case to be of violation of the EIA Notification, 2006 and recommended to defer the proposal for want of following information from project proponent:

- (i) Submission of valid documents for mine lease.
- (ii) Lease plan authenticated by State mines and Geology department.
- (iii) Copy of closure of mining activity.
- (iv) Details of past production of mine since its inception duly authenticated by Department of Mines & Geology, State Government.
- (v) Permission from DGMS as village inhabitant are near to mine lease area.
- (vi) Submission of revised mining plan.
- (vii) Chronological details of CTE and CTO granted, if any.
- (viii) To submit the KML/Shape Files of the mine lease area at the time of presentation before EAC.

Observations and recommendations of committee of EAC in its 44th meeting (present meeting) held during 18th – 19th February,2021:

EAC observed that Project Proponent submitted the information, however, PP could not present the case before the EAC. EAC advised to list the proposal in the next EAC meeting.

44.4.4. Marble mining project (ML Area 51.0109 Ha)at Villages Zarivav, Khokharbilly, Koteshwar & Chikla, Tehsil Danta, District Banaskantha (Gujarat) by M/s Hindustan Marble Pvt. Ltd.- Further consideration for Terms of Reference Proposal No. IA/GJ/MIN/66906/2017 and File No. 23-173/2018-IA.III (V)

Project proponent alongwith the consultant made the detailed presentation and provided following information to the EAC:

1. Project Description

The Proposal of M/s Hindustan Marble Private Limited is for Mining of Marble from Zarivav, Khokhar Billi, Koteshwar & Chikhla Blocks for Total ROM Excavation 7,88,340 Tonne per annum (TPA) [including 39417 tons of marble waste, O.B, Inter Burden, Top Soil etc.] from mining lease operating area of 46.2095 Ha (51.0109 Ha) located at Villages Zarivav, Khokhar Billi, Koteshwar & Chikhla, Tehsil Danta, District Banaskantha, State Gujarat by M/s Hindustan Marble Private Limited.

2. Project Background

The proposal of M/s Hindustan Marble Private Limited is for ROM production of 7,88,340 Tonne per annum (TPA) of Marble from Zarivav, Khokhar Billi, Koteshwar & Chikhla Blocks (ML operating area of 46.2095 Ha of total lease area of 51.0109 Ha, located at Survey No. 61/p, 10/p, 62/p & 88/p, at Villages Zarivav, Khokhar Billi, Koteshwar & Chikhla, Tehsil Danta,

District Banaskantha, State Gujarat. The mining lease is located on Survey of India Topo-sheet no. G43S15. The area is bounded between the coordinates

- Koteswar (Block No 1)
Latitude-24020'17.03"N to 24020'25.94"N
Longitude-72052' 49.16"E to 72052'56.60"E
- Chikhla (Block No 2)
Latitude-24020'20.58"N to 24020'30.99"N
Longitude-72052'33.76"E to 72052'48.15"E
- Zarivav -Khokhar Billi (Block No 3)
Latitude-24020' 56.94"N to 24021'27.91"N
Longitude-72051'45.82"E to 72052'14.28"E
- Koteswar (Block No 4)
Latitude-24020'55.65"N to 24021'05.16"N
Longitude-72052'12.20"E to 72052'16.84"E

3. Category of the Project (Refer cluster certificate if applicable)

The said project/activity is covered under category B1 (as the area is less than 100 ha) of item 1a of the Schedule to the EIA Notification, 2006 as amended till date but requires prior TOR from the MoEF&CC it is already appraised at EAC

The mining lease of 51.0109 Ha is a part of cluster of 190 Hect of marble mining.

4. Violation Details & Sectorial EAC/SEAC Comments

[Provide complete detail about violation, comments/recommendations of sectorial EAC or SEAC before submitting the application on violation portal.]

[Chronological submission of all the events with recommendation of the committee].

Application for EC was submitted to MoEF&CC

- Proposal No 24351 Submitted on 9th October, 2014.
- Application for ToR was submitted to MoEF&CC on 29th June, 2016.
- Application for TOR was submitted to MoEF&CC on 9th Feb, 2017
- Online application was made on 23rd July, 2017 as per S.O.804 (E) dated 14th March, 2017 under violation window.

Appraisal by EAC (non-coal mining) in its meetings

- 8th Meeting of EAC (non-coal mining) held during July 21st-22nd, 2016.
- 18th EAC meeting violation (non-coal mining) meeting held on 29th May 2017.
- 10th EAC violation (non-coal mining) meeting held on 11th July 2018.

- 16th EAC violation (non-coal mining) meeting held on 14th Dec 2018.
- 33rd EAC violation (non-coal mining) meeting held on 18th May 2020

Final observation/recommendations of the EAC (non-coal mining)

- Based on the information submitted by the project proponent, the committee noted that the mine lease was renewed with effect from 24th February 2007, which made it mandatory for the project proponent to obtain EC at the time of renewal of the mine lease area as per EIA notification 2006. As the project proponent was mining till date without EC, it was a violation. The committee also noted that it was a violation as per the amendment of the EIA notification, S.O. 141(E) dated 15th January 2016 which mandated all mining project should have EC.

Consideration of the proposal by the EAC (violation) recommendations

- The case was considered for meeting in the 10th Violation Committee on 11th July, 2018 during which the Committee granted Terms of Reference.
- The case was considered for meeting in the 16th Violation Committee on 14th Dec, 2018 during which the Committee deferred Terms of Reference.
- The case was considered for meeting in the 33rd Violation Committee on 18th May 2020 during which the Committee deferred Terms of Reference.

Further consideration of the proposal by the EAC (violation) recommendations

- Based on the Non Coal Sector observance that the KML file of DSS cell of FC Division found that the Lease Area Koteshwar Block (1) is at distance of 1 km and Chikhla Block (2) is at distance of 0.76 km from Sanctuary, the case was again referred to Violation Committee and heard on 14th Dec, 2018. The Committee deferred Terms of Reference.
- Based on the presentation in the 33rd meeting of EAC Violation (Non-Coal) the committee deferred TOR for want of Additional Information.

5. Application (Form-1 & PFR)

- Fresh application was made online vide proposal no. IA/GJ/MIN/66906/2017 dated 23rd July, 2017 under violation category for Term of References (ToR) in terms of provision of the Ministry's Notification S.O 804 (E) and submitted Form-1 and PFR. The proposed project activity is covered under Schedule 1a of EIA Notification, 2006 and is a category 'B1' as the area is less than 100 ha.
- As per the certified distance Map obtained from Chief of Wild Life Warden, Gujarat Forest Department, Balaram Ambaji Wildlife Sanctuary Boundary is at 2.289KM from Zarivav Block – Khokar Billi Block (Block no. 3), 2.206 km from Koteshwar Block (Block no. 4), 0.888 KM from Chikhla Block (Block no. 2) and 0.636 kms from Koteshwar Block (Block no.1). Mine Lease Area is outside the Sanctuary Eco-sensitive Zone. About 4.8014 Ha falling within 1km distance outside Balaram Ambaji Wild Life Sanctuary boundary, of the 51.0109Ha, effective operative lease area is 46.2095 Ha for

Mining operation & non operative lease area of 4.8014Ha of Koteshwar block (1) and part of Chikhla block (2), and our application for surrender to the State Authority is processed.

- The mining lease of 51.0109 Ha is a part of cluster of 190 Hect of marble mining. The mining Lease of 51.0109 Ha is part of diversified forest land of 190 Hectare for which 400 Ha of Compensatory land and afforestation charges of Rs.40 lakhs was made to State Forest Department as per the approval of the MOEFCC-Central and State Government diverted for marble mining approval vide letter No 8-355/88-FC dated 10-05-1991 & 27-01-1997.

[Note: In case project is of category B, B1 & B2 add line appraised at EAC (MoEF&CC) because of WL/CPA/ESA/Inter-state boundary / International boundary at (km) distance from the project]

[Note : In case of minor minerals if any, please furnish cluster details]

6. Details of Minerals

Number of minerals: 1

Whether mineral is major or minor: Minor

Status of same mineral before 2006 (major or minor): Minor

7. Details of Minerals

Letter from the Deputy Director of Mines and Geology, existing mining lease sanctioned in 1987 for period of Twenty years. Lease was renewed vide order number MMR/102008-514 CHH1 dated 31.12.2012. The lease period will expire on 24.02.2037.

[Note: Provide full lease detail i.e when original lease deed was executed. Detail about successive renewal, transfer of mining lease if any, execution of supplementary deed due to surrender of the portion of the mining lease or addition of area or mineral, if any etc.]

8. Method of Mining & Mining Plan Details

- The mining plan was approved under Rule 17 MCDR, 2002 for Marble deposit by Commissioner of Geology and Mining, Gandhinagar, Gujarat Letter no. CGM/MC/448/5344 on 23/06/2014.
- Modified mining plan was approved under Rule 37 of GMMCR, 2017 & MDCR, 2002 for Marble deposit by Commissioner of Geology and Mining, Gandhinagar, Gujarat Letter no. CGM/MC/BK/1001/3733 on 06/12/2017. This modification was due to exclusion of Koteshwar block from mining operation.
- The Modified Mining Plan of Zarivav, Khokhar Billi, Chikhla, & Koteshwar Marble Mine (S. No. 61/P, 10/P, 88/P, & 62/p, area 51.0109 hect.) approved under Rule 18 of MDCR, 2002 & GMMCR 2017 Modified Mining Plan for the next plan period of 5years

(2020-21 to 2024-25) is approved by Office Of The Geologist, Palanpur, Gujarat vide office letter No GKB/MC/8902 dt 04-08-2020 with necessary amendments in the Mine Lease Area Land use by reducing the surrender area of 4.8014ha of mining Lease of 51.0109Ha with effective Operative Mine Lease area of 46.2095Ha. The Mining Lease Area Blocks falling within the 1km boundary outside BAW sanctuary was excluded for Production and Development Activity

Please provide the details of drilling & blasting, bench height and width, ultimate pit limited, ultimate pit slope, intersection of ground water table if any.:

- Drilling & Blasting: There is short hole (32 mm dia) blasting proposed are designed with Single row blasting of 5holes or double row blasting with 10 holes only coupled with milliseconds delay detonators, and Burden, Spacing, Depth.

Bench Height & width: Height : 6 m Width: more than height

Ultimate Depth of Pit: 390 mRL

Overall Pit Slope Angle: 45°

Intersection of ground water: There will be no intersection of ground water.

Number of top soil dumps with area and capacity, no of waste/reject dump with area and capacity:

- Top Soil Dump: Soil will not be generated during the plan period. Small quantity if generated will be utilized during plantation.
- Waste/reject dump: Major part of the lease area is mineralized; therefore waste material will be stacked in existing stack area or near lease boundary over existing OB dumps. About 5.2925 ha area will be required for waste dumping.
- During the plan period and at the conceptual stage, backfilling plan if any, No backfilling will be undertaken. The mined out area will be used as water reservoir.
- Details of crushers /screen/beneficiation plant if any with capacity and numbers, water requirement for the project, plantation details, green belt details.]
Not proposed.
- Land use as per mining plan

S. No.	Description	Land use before Plan Period in Ha.	Land use after Plan period in Ha.
1	Mining (Quarry)	13.5338	12.2752
2	Storage for top Soil	0	0
3	Mineral Storage	1	1
4	Waste Dump	4.3655	5.2925
5	Infrastructure	1.305	1.305
6	Road	1.1653	1.275
7	Green Belt	0.2016	3.9290

8	Water Reservoir	0	1.8467
9	Reclamation (proposed)	4.8014	0
10	Others	24.6383	24.0875
Total		51.0109	51.0109

9. Other Waste Generation, if any:

It was proposed that around 39417 tonnes of mineral reject will be generated during plan period. This reject is inclusive of what is known as rubbles, which are sold regularly. Part of unsold rubbles is stacked near pit as a dump yard.

10. Land Use (Forest/Agricultural/Waste):

The mining lease of 51.0109 Ha is a part of cluster of 190 Hect of marble mining. The mining Lease of 51.0109 Ha is part of diversified forest land of 190 Hectare for which 400 Ha of Compensatory land and afforestation charges of Rs.40 lakhs was made to State Forest Department as per the approval of the MOEFCC-Central and State Government diverted for marble mining approval vide letter No 8-355/88-FC dated 10-05-1991 & 27-01-1997.

11. Details of past production since inception of mine authenticated by DMG

Prepare table of past production in word format with reference to DMG letter no GBK/ Lease/ 2912 dated 09/08/2018

YEAR	BLOCKS (TPA)	RUBBLE (TPA)	ROM Production (TPA)
1991-92 (April – March)	9287	3060	115989
1992-93 (April – March)	15557	5193	117843
1993-94 (April – March)	17064	4243	359925
1994-95 (April – March)	12608	3657	97594
1995-96 (April – March)	13975	11268	82960
1996-97 (April – March)	16944	9264	67263
1997-98 (April – March)	10670	10979	69893
1998-99 (April – March)	16743	17084	62964
1999-2000 (April – March)	24954	30565	72089
2000-01 (April – March)	28455	41495	83368
2001-02 (April – March)	31672	84383	121741
2002-03 (April – March)	35811	71100	110041
2003-04 (April – March)	36429	67449	113378
2004-05 (April – March)	54035	80469	141344

YEAR	BLOCKS (TPA)	RUBBLE (TPA)	ROM Production (TPA)
2005-06 (April – March)	42182	96866	248489
2006-07 (April – March)	36592	150311	188749
2007-08 (April – March)	44293	184627	230045
2008-09 (April – March)	51037	219897	270935
2009-10 (April – March)	56716	237323	295512
2010-11 (April – March)	52061	247888	301106
2011-12 (April – March)	58448	275206	334885
2012-13 (April – March)	61252	275314	359598
2013-14 (April – March)	42181	244245	288098
2014-15 (April – March)	36547	249550	287908
2015-16 (April – March-15)	43254	269040	313518
2016-17(April – March17)	36054	355180	391234
Mining operation suspended from July 2017			

12. Applicability of General Condition & Status of SEIAA

- Submit details about Wildlife Sanctuaries or Habitats for any Specific Wildlife within 10 km radius of the ML Area]

The project involves mining from 4 different blocks namely Zarivav, Khokhar Billi, Chikhla & Koteshwar. As per certified distance map obtained from Chief Wildlife Warden (CWLW), Gujarat Balaram Ambaji Wildlife Sanctuary is falling at the following distances from each block:

Koteshwar Block (Block no. 1): 0.636 km
 Chikhla Block (Block no. 2): 0.888 km
 Zarivav & Khokhar Billi Block (Block no. 3): 2.289 km
 Koteshwar Block (Block no. 4): 2.206 km
- [Status of SEIAA i.e operation or tenure is over (provide details in case proposal is of category B only]

Not applicable
- Submit details about Aravalli/Doon Valley/ Western Ghats/Eco-Sensitive area, if any]
- Balaram Ambaji Wildlife Sanctuary was Rationalized by National Board of Wild Life in its 31st meeting held on 12-13th August 2014 excluding the area of Marble Mining activity. The State Government of Gujarat, Forest and Environment Department vide its Notification dated 7th July-2017 under section 26A (1) B of Forest Animals (Protection) Act, 1972, is declared as sanctuary which all excludes the Cluster Marble area.
- Draft Notification S.O. 55 (E) for Declaration of the Balaram Ambaji Wildlife Sanctuary and Eco Sensitive Zone is issued vide MoEF&CC, New Delhi on the 5th January 2021.

As per the draft notification the lease area of M/s Hindustan Marble Pvt. Ltd. falls outside the Eco-Sensitive Zone.

13. Project Cost & Employment:

Project Cost: INR 5 Crores

Employment: At present Mining operation is stopped and when the Mining commences, 128 worker and staff will be employed at site.

Details about economic development package will be prepared during EIA/EMP preparation and submitted.

Observations and recommendations of committee of 10th EAC meeting held on held on 11-12th July, 2018:

Committee has observed that it is not expansion proposal and proposal is for Mining of Marble of production capacity 7,88,340 by M/s Hindustan Marble Pvt. Ltd in an area of 51.0109 ha. The EAC, after detailed deliberations on the proposal in terms of the provisions of the MoEF&CC Notification dated 14th March, 2017, confirmed the case to be of violation of the EIA Notification, 2006 and recommended for issuing Standard Term of Reference along with the following specific Term of Reference for undertaking EIA/EMP:

- i. The State Government/SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986, and further no consent to operate to be issued till the project is granted EC.
- ii. The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The quantum shall be recommended by the EAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.
- iii. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
- iv. Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
- v. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.
- vi. The PP is required to conduct public hearing as per EIA notification, 2006.

- vii. Socio Economic Study following standard procedures to be included, impacts due to project activities need to be assessed and remedial measures, during Construction and Operation, to be proposed based on the Field Study and Public Hearing.
- viii. Fund allocation for Corporate Environment Responsibility (CER) shall be made as per Ministry's O.M. No. 22-65/2017-IA.III dated 1st May, 2018 for various activities therein. The details of fund allocation and activities for CER shall be incorporated in EIA/EMP report.
- ix. The Project Proponent shall give an undertaking by way of affidavit to comply with all the statutory requirements and judgment of Hon^{ble} Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors. before grant of ToR/ EC. The undertaking inter alia include commitment of the PP not to repeat any such violation in future. In case of violation of above undertaking, the ToR/Environmental Clearance shall be liable to be terminated forthwith.
- x. Compliance of the order of Hon^{ble} Supreme Court dated 02.08.2017 in the Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus

Observations and recommendations of 16th EAC meeting held on held on 13th-14th December, 2018:

EAC in its 16th meeting observed that above proposal of M/s Hindustan Marble Pvt Ltd was considered in 10th EAC meeting of violation wherein committee recommended the proposal for grant of Standard terms of reference along with Specific terms of reference.

EAC noted that above proposal was again referred to Violation committee by Non coal sector as after verification of KML file by DSS cell of FC division, one block “Koteshwar” was found within 1 km and other block “Chikhla” is lies 0.76 km from the Sanctuary.

PP informed that they had already submitted an application to local DFO with regard to actual distance from mining lease boundary to BalaramAmbaji Wild Life Sanctuary.

Therefore, in view of above, the EAC defer the proposal for issue of ToR, and advised the PP to submit authenticated map vetted by Chief Wildlife Warden (CWLW) with regard to location of mine lease and BalaramAmbaji Wild Life Sanctuary.

Observations and recommendations of 33rd EAC meeting held on 18th -19th May 2020 :

Project Proponent along with the consultant made the presentation on the additional information sought in the 16th EAC meeting. EAC after presentation on the additional information noted the following:

- i. PP made application to PCCF and DCF of Wildlife Forest Department to provide details of distances of concerned mining lease blocks from BalajiAmbaji Wildlife Sanctuary. The Deputy Conservator of Forest has issued a letter confirming the following distances:

LEASE BLOCK	SY NO	DISTANCE FROM BAW-SANTUARY
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1. KOTESHWAR	62	0.624 KM
2. CHIKHLA	88	0.918 KM
3. ZARIVAV	61	2.291 KM
KHOKAR BILLI	10	
4. KOTESHWAR	62	2.202 KM

- ii. PP has submitted proposal for surrendering 4.80 ha of lease area falling within 1 km boundary of BAW Sanctuary to the District Mining Authority of Geology & Mines Department. The Authority has accepted our request proposal of surrendering the lease area and is processing our application as per Rule 42 (2) of GMMCR-2017 and they have directed us to produce the Environment Clearance Certificate.
- iii. Revised Mining Plan under Rule 17 MCDR, 2002 & Rule 37, 38 & 39 of GMMCR, 2017 has been submitted for approval which considers effective operative lease area of 46.2109 ha after excluding the surrendered 4.8 ha out of the total 51.0109 ha for mining operation in part of Chikla Block (2), Zarivav – Khokharbilly block (3) & Koteshwar Block (4) & non operative lease area of 4.8 ha in Koteshwar block (1) & part of Chikla block (2).
- iv. PP has submitted revised Form I & PFR, LOI.
- v. PP has not submitted authenticated map vetted by Chief Wildlife Warden (CWLW) with regard to location of mine lease and Balaram Ambaji Wild Life Sanctuary

EAC deliberated on the information presented before the EAC. EAC after detailed deliberation deferred the project for want of following information

- i. Coordinates of each blocks (blocks retained for mining and blocks surrendered) authenticated by the concerned department
- ii. Revised Mining Plan of 46.2109 ha after excluding the surrendered 4.8 ha out of the total 51.0109 ha
- iii. Details regarding the matter pending before the Honourable NGT in OA2 of 2019 along with the status.
- iv. Revised land use Plan in tabular form for both at conceptual and end stage after the surrender of mining lease.
- v. Authenticated map vetted by Chief Wildlife Warden (CWLW) with regard to location of mine lease and Balaram Ambaji Wild Life Sanctuary.
- vi. Hard copies of all the documents including affidavit and letter issued by the Deputy Conservator of Forest regarding distances of blocks from WLS be submitted to the Ministry.

Observations and recommendations of committee of EAC in its 44th meeting (present meeting) held during 18th – 19th February, 2021:

After detailed presentation by the PP on the additional information sought by the EAC in the 33rd meeting, EAC observed that the Proposal of M/s Hindustan Marble Private Limited is for Mining of Minor mineral of Marble in Zarivav, Khokhar Billi, Koteshwar & Chikhla Villages, Taluka – Danta, District – Banaskantha, Gujarat for Total ROM Excavation 7,88,340 Tonne per annum (TPA). • The Lease comprises of 4 blocks namely: Koteshwar (Block no. 1), Chikhla (Block no. 2), Zarivav Khokhar Billi (Block no. 3) & Koteshwar (Block no. 4). The lease validity is up to 24-

02-2037. The mining lease of 51.0109 ha is a part of cluster of 190 ha of marble mining. The mining Lease of 51.0109 ha is part of diversified forest land of 190 ha as per the approval of the MOEFCC-Central and State Government diverted for marble mining approval vide letter No 8-355/88-FC dated 10-05-1991 & 27-01-1997.

Modified Mining Plan for period of 2020-21 to 2024-25 is approved vide office letter No GKB/MC/8902 dated 04-08-2020 by reducing the surrender area of 4.8014 ha of mining Lease of 51.0109 ha with effective Operative Mine Lease area of 46.2095 ha.

The State Authority office vide their office letter GKB/QL/part surrender/7229 dated 12.05.2020 have processed for surrender of lease area of 4.8014 ha Koteshwar block (1) and part of Chikhla block (2) falling within 1km outside the Sanctuary as per Rule 42 of GMMCR-2017.

EAC also noted the Project Proponent submission that draft Notification S.O. 55 (E) for Declaration of the Balaram Ambaji Wildlife Sanctuary and Eco Sensitive Zone is issued vide MoEF&CC, New Delhi on the 5th January 2021 spread over an area of 544.78 square kilometre and is located in Danta, Amirgadh, Palanpur and Vadgam Taluka of Banaskantha district in the state of Gujarat. As per the draft notification the lease area of M/s Hindustan Marble Pvt. Ltd. falls outside the Eco-Sensitive Zone

The EAC, after detailed deliberations on the information presented by the PP, **recommended** for issuing Standard Term of Reference along with the following specific Term of Reference for undertaking EIA and preparation of Environmental Management Plan (EMP)**to the reduced mining lease area (46.2095 ha) prohibiting mining activities within 1.0 km of the WLS:**

1. The State Government/SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986, and further no consent to operate to be issued till the project is granted EC.
2. The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The quantum shall be recommended by the EAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.
3. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
4. Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.

5. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.
 6. The PP is required to conduct public hearing as per EIA notification, 2006.
 7. One season base line data is to be collected and reported in the EIA/EMP report.
 8. Socio Economic Study following standard procedures to be included, impacts due to project activities need to be assessed and remedial measures, during Construction and Operation, to be proposed based on the Field Study and Public Hearing.
 9. Mine plan approved by Indian Bureau of Mines to be submitted.
 10. DGMS permission is to be submitted for blasting at project site, if any.
 11. The PP should also address the all the issues raised during public hearing along with commitments made and with fund provision to address above issues in tabular form to be submitted along with EIA/EMP report.
 12. Detailed hydrological study to be carried out in core and buffer zone of the project as per GEC 2015 guidelines.
 13. In case of violation of above undertaking, the ToR/Environmental Clearance shall be liable to be terminated forthwith.
 14. Budget of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage shall be completed within three years and to be prepared accordingly.
 15. The Action Plan on the compliance of the recommendations of the CAG as per Ministry's Circular No. J-11013/71/2016-IA.I (M), dated 25.10.2017 needs to be submitted at the time of appraisal of the project and included in the EIA/EMP Report.
 16. Conservation plan for Schedule I species present in the study area shall be prepare and submitted to the concerned CWLW for approval.
- 44.4.5. Expansion of Shahabad (Bankur) Limestone mining capacity from 0.864 MTPA to 6.2 MTPA (ML Area 328.34 Ha) at Village Bankur, Tehsil Chitapur, District Gulbarg(Karnataka) by M/s Jaypee Cement Corporation Limited - Further consideration for Terms of Reference Proposal No. IA/KA/MIN/66856/2017 and File No. 23-175/2018-IA.III (V)**

Project proponent alongwith the consultant made the detailed presentation and provided following information to the EAC

1. Project Description

The Proposal of M/s Jaypee Cement Corporation Limited is for mining of Limestone from Shahabad (Bankur) Limestone Mine for expansion from 0.864 MTPA to 6.20 MTPA [including 6.20 MTPA Limestone and 0.04 MTPA Top Soil] from mining lease area (328.34Ha) located at Villages Bankur, Tehsil Chitapur, District Gulbarga, State Karnataka by M/s Jaypee Cement Corporation Limited.

2. Project Background

The proposal of M/s Jaypee Cement Corporation Limited is for production of 6.20 Million Tonne per annum (MTPA) of Limestone from Shahabad (Bankur) Limestone Mine (ML Area 328.34 Ha at Survey Nos. 12, 118 to 124, 129 to 131, 133 to 143, 145 to 147, 220 to 223, 226 to 234, 248, 250, 252 to 256, 266, 267, 269, 275 at Village Bankur, Tehsil Chitapur, District Gulbarga, State Karnataka. The mining lease is located on Survey of India Topo-sheet no.56 C/16, G/4. The area is bounded between the coordinates Latitude 17°09'52.5" N to N 17°11'08.10"N and Longitude 76°57'10.30" E to E 76°58'51.20"E

3. Category of the Project (Refer cluster certificate if applicable)

The said project/activity is covered under category A of item 1a of the Schedule to the EIA Notification, 2006 as amended, and requires prior EC from the MoEF&CC based on the appraisal by Expert Appraisal Committee.

4. Violation Details & Sectorial EAC Comments:

Violation Details:

Application submitted under the provision of MoEF & CC gazette notification S.O.804 (E) dated 14th March, 2017 due to violation in operation of mine without prior EC.

Sectorial EAC/SEAC Comments :

- Project was considered for Environmental Clearance at EAC, MoEF meeting held on 24th-26th, November, 2010. Hon'ble EAC had sought additional information/clarifications. Subsequently received letter from MoEF for submission of information vide its letter No. J-11011/387/2008-IA.II (M) dated 27th December, 2010. Additional information/clarifications were submitted vide our letter ref.No. ZCPL/MOEF/TPP/KARNATAKA/2011 dtd 11.02.2011.
- Case was re-considered before EAC, MoEF meeting held on 23th-25th March, 2011 and deferred for want of requisite details.

Based on submission, the project was considered for Environmental Clearance at 14th EAC, MoEF meeting held on 25th-27th April, 2011.

- MoEF vide letter no.J-11015/387/2008-IA.II(M) dated 13th March, 2012, informed that Public Hearing Conducted on 17.12.2009 is not valid as per EIA Notification 2006 as it was presided by a district officer of a rank lower than required as per EIA Notification, 2006 and advised to prepare fresh Draft Report after collecting one season Baseline data and conduct Public Hearing. Final EIA Report was re-submitted to MoEF vide letter ref. No. JCCL/ZCPL/MoEF/TPP/Karnatka/2012 dtd. 10.12.2012.
- Project considered for Environmental Clearance at EAC, MoEF meeting held on 13th March, 2013, during presentation, EAC observed that the mine was operated during the year 2007-08 without requisite Environmental Clearance and considered it as a violation of the Environmental (Protection) Act 1986. (The company had declared production figures from the subject Mine during the period in question in EIA report)
- **The Expert Appraisal Committee recommended the project for grant of Environmental Clearance[reference MOM] subject to credible action taken by the State Authorities.** As per the directions and in line with the procedures laid down by MOEF, JCCL had submitted required documents and Certified Copy of the Resolution passed by the Board of Directors of Jaypee Cement Corporation Ltd. by Circulation on 18th April 2013.

5. Application (Form-1 & PFR)

Fresh application was made online vide proposal no. IA/KA/MIN/66856/2017 dated 27th July, 2017 under violation category for Term of References (ToR) in terms of provision of the Ministry's Notification S.O 804 (E) and submitted Form-1 and PFR. The proposed project activity is covered under 'Schedule 1 (a) of EIA Notification, 2006 and is a category 'A'.

6. Details of Minerals:

Number of minerals. Limestone (Major).

7. Letter of Intent (LoI)/Mining Lease Details:

- a. The assets & liabilities of the Cement Plant and its captive Mine at the subject location were transferred to Zavar Cement (P) Ltd. (ZCPL) through an Order of Debt Recovery Tribunal (DRT)-III, Kolkata, passed vide Ref. No. 26 dated 28/11/2006. The possession of the factory premises and the Mines at Shahabad was taken by ZCPL, against a payment of Rs. 8.8 crores. Since, there was no formal handing over of assets and documentation by the previous owners and possession was given to the new owners through Tribunal Order only.

- b. The original Mine Lease documents are not available. The Shahabad (Bankur Mine, ML No. 2092) Limestone Mine lease renewal was sanctioned to M/s. Associated Cement Companies Ltd. (ACC) for a period of 10 Years with effect from 01.10.1985 vide Notification No.CI 249 MMN 85 Dt. 07.02.1989 of Govt. of Karnataka.
- c. The mine lease was renewed for a period of ten years from 1985 to 1995. The Mining Lease Deed was executed on 31.7.1989 between the Govt. of Karnataka on one part and Lessee (ACC) on the other part. The said Mining Lease No. 2092 has been registered under Sl.No.808 of 89-90 of Book No.1 on 30.8.1989 with the Sub Registrar of Assurances, Chittapur Tq. Dist. Gulbarga.
- d. ZCPL [Now, Jaypee Cement Corporation Ltd.(JCCL)] had submitted application for renewal of ML-2092 for 20 years in favour of ZCPL vide letter Nos. ZCPL/SH/MINES/11/1 dated 11.01.2007 in pursuance of order No. 26 dt. 28.11.2006 passed by Hon'ble Debt Recovery Tribunal.
- e. The Secretary to Govt. (Mines, SSI & Textiles), Commerce & Industries Department Bangalore vide its letter dated 30.03.2007 had directed to the Commissioner for Mines & Geological Resources Development & Director of Mines Geology, Bangalore to restore the ML-2092 in favour of ZCPL. Accordingly, the mining lease was restored on 18th April 2007 by the Director, Mines & Geology, Karnataka w.e.f. 01.10.1995 in favour of M/s. ZCPL, on the order of DRT.
- f. Further, Department of Mines & Geology, Govt. of Karnataka processed the lease renewal application in favour of ZCPL and issued a letter vide ref. No. MINES & GEOLOGY/29(A)AML-07/6357 / RML/2092/6357 dated 24/31.07.2008, advising ZCPL to take Environmental Clearance from MoEF for the Mine Project.
- g. JCCL has received the letter issued from the office of Secretary to Govt. (MSME & Mines), Commerce & Industries Department, Bangaluru to the Director, Deptt. of Mines & Geology, Bangaluru vide its letter ref. No. CI 19 CMC 2018 dtd. 27.02.2019, **key points of the letter are mentioned below:**
- The mining lease bearing ML No. 2092, situated in Bankur village, Chittapur taluk Kalaburgi district has been granted in favour of **M/s Jaypee Cement Corporation Ltd. (Formerly known as M/s Zawar Cement Pvt. Ltd.)** for Limestone, Shale and Clay over an extent of 328.34 Ha. for a period upto **31.03.2030**.
 - As per the provision of Section 8A (6) of MMDR Act, 1957, the period of mining lease bearing 2092 held by M/s Jaypee Cement Corporation Ltd. (Formerly known as M/s.

Zawar Cement Pvt. Ltd.) shall be extended up to 31.03.2030 as per Section 8A(6) of MMDR Act, 1957.

- The Director, Department of Mines & Geology is directed to execute a supplementary lease deed subject to submission of necessary statutory clearances & N.A., all arrears payable to Govt. and all the terms and conditions of the lease.
- The deemed extension is subject to additional conditions. Of the all conditions one is that “No mining operations shall be undertaken in the lease hold area unless all statutory clearances such as Forest Clearance under Forest (Conservation) Act, 1980, Environmental Clearance under Environment (Protection) Act, 1986, KSPCB Consents, Permissions etc. Under various legislations, Acts, Rules, Regulations, Notifications as amended from time to time to the satisfaction of concerned authorities under such Acts, Rules etc., are in place.

8. Method of Mining & Mining Plan Details:

- The Mining Plan was approved by IBM/DMG vide LR No. MP/GLB/Lst-224-SZ/1497 dated 18.12.2008. As per Mine Plan the method of mining shall be opencast fully mechanized. The sequence of operation is quarrying, drilling, blasting, loading and transportation.
- Details of drilling & blasting, bench height and width, ultimate pit limit, ultimate pit slope, intersection of ground water table if any,

Drilling and Blasting

115 mm. dia wagon drills with compressors are used to drill blast holes in limestone. For a bench height of 9 m, depth of holes is maintained at 10 m with 2.5 m burden and 3.0 m

spacing for better fragmentation and optimum powder factor. The explosive charge per hole is about 75%-80% of ANFO mixture along with 20% booster slurry explosives. Thus low density ANFO mixtures along with booster slurries are used for blasting, with a stemming column of 0.5-1.0 m. Limestone generated per hole is $3.0 \times 2.5 \times 9 \times 2.5 = 170$ tonnes.

Blasting Parameters

Parameter	Lime Stone Bench
Bench height (m)	9.0
Hole depth (m) (including sub-grade drilling)	10
Burden (m)	2.5
Spacing (m)	3.0
Bulk density	2.5
Angle of hole	5 ⁰ -10 ⁰
Charge per hole (kg)	20% Booster + 80% ANFO

Parameter	Lime Stone Bench
Explosive required for blasting (in kg)	10,33,333
No. of holes in mineral zone	36686
Power factor	6t

The Ultimate Pit Limit has been decided based upon the exploration carried out. The entire mineralized area shall be exploited. At places where the extent of mineralization could be seen up to the ML boundary and beyond, an ultimate pit limit of 7.5 m shall be left within the lease boundary as per statute. The mining benches have been so designed that the ultimate pit slope of the mining benches shall be 45⁰ at the stage of mine abandonment. Mine working will not intersect the ground water table.

- Number of top soil dumps with area and capacity, no of waste/reject dump with area and capacity during the plan period and at the conceptual stage, backfilling plan if any,

The black cotton soil overlying the limestone bed forms the overburden which shall be used in afforestation work. The total quantity of this soil generated during plan period is 107058 tonnes which shall be separately removed and stacked in heights not exceeding 3m. with a surrounding retaining wall and shall be simultaneously used in the afforestation work. Top soil generated will be simultaneously utilized for building bund along the boundary of mining lease and along both sides of the approach road to the cement plant. After completion of building of bunds and afforestation, the balance OB (Top soil) will be backfilled in the mined out pit. The backfilled area will be used for afforestation, simultaneously and remaining worked out area will be retained as water reservoir.

In the old workings some waste have been generated and dumped in the central part of the working area, which has to be re-handled as it is located on mineralized area covering 3.25 Ha. The rejects to be generated from ROM are very minimal. As no waste is expected to be generated, the total area provided for waste dumping at the end of plan period is only 4.25 ha.

**LAND USE AT THE END OF MINE LIFE
STAGE WISE LAND USE AND RECLAMATION AREA (ha)**

Sr. No.	Land use Category	End of plan period	Conceptual stage	Area reclaimed & afforested at conceptual
1	Area to be excavated	37.10	322.34	7.5

2	Storage of top soil/Reject Dump	04.25	-	-
3	Infrastructure (Workshop/Buildings etc)	02.00	-	-
4	Roads	05.00	-	-
5	Belt conveyor	01.10	-	-
5	Greenbelt	05.00	5.0	5.0
6	Others (Retention wall, Check-dams etc.,)	01.00	1.0	-
7	Area remaining untouched	272.89	-	-
8	Total	328.34	328.34	12.5
9	Total area used	55.45	328.34	-
10	Total Mining lease area/ reclaimed area	328.34	328.34	12.5

- Details of crushers /screen/beneficiation plant if any with capacity and numbers, water requirement for the project, plantation details, green belt details.

There is no beneficiation plant is proposed. The crusher and screening plant of 1200 TPH will be installed within the mine lease area, crushed limestone will be transported to the cement plant, located only 3.2 km from the mine, by covered conveyor belt system.

Water Requirement:

The water requirement for the mine machinery operations, dust suppression and afforestation shall be 80 m³/day, which shall be met from the rain water accumulated in the pit. Drinking water requirement will be met from plant water supply system from Kagina River, water allocation for 1.5 MG from Irrigation Department is already in place.

The main aim of plantation in and around the mine area is to stabilize the land and to protect it from rain and wind erosion. Plantation will be done all along the boundary of mine lease, approach road to cement plant and backfilled area of mine lease. End of the plan period approximate 5 ha. area will be covered under plantation.

- Land use as per mining plan at the end of plan period and at conceptual stage.
Please refer the land use table given above

- 9. Other Waste Generation, if any:** No other waste generated except OB in the form of top soil.
- 10. Land Use (Forest/Agricultural/Waste):** The total mine lease area is 328.34 ha. It is Private (Patta) Land.

11. Details of past production since inception of mine authenticated by DMG

Authenticated past production data are obtained from the Deptt. of Mines & Geology, Govt. of Karnataka vide its letter ref. No.DMG/DDG/2018-19/1292 dtd. 06.08.2018.However, limestone production data for the period of 2008-09 was in variance to the dispatched quantity of Limestone is calculated for the said period in the demand notice to ZCPL issued by Director, Department of Mines and Geology, Govt. of Karnataka vide ref. No. DMG/ML-2092/2018-19/988 dtd. 20th July, 2018 in compliance of order dated 2.8.2017 in CWP No. 114/2014 of Hon'ble Supreme court.

JCCL approached Deptt. of Mines & Geology, Govt. of Karnataka for rectification of the figures vide letter ref. No. JCCL/JSCP/ML-2092/2018-19/44 dated 13.03.2019. In response, the Deputy Director Deptt. of Mines & Geology, Kalaburagi, Govt. of Karnataka has issued the rectified production data vide its ref. letter No. DMG/DDDMG/2018-19/3522 dated 27.03.2019, as tabulated below:

S. No.	Year	Quantity (MT)			
		Limestone (Production)	Limestone (Dispatch)	Shale (Production)	Shale (Dispatch)
	1985-86	-	-	-	-
	1986-87	-	-	-	-
	1987-88	-	-	-	-
	1988-89	-	-	-	-
	1989-90	67180	67780	12040	12040
	1990-91	277627	277227	44301	44301
	1991-92	423510	425510	77060	77060
	1992-93	345340	341340	7620	7620
	1993-94	417465	411465	92645	92645
	1994-95	583948	579948	126490	126490
	1995-96	-	-	-	-
	1996-97	379470	379470	75024	75024
	1997-98	132465	132465	61245	61245
	1998-99	-	-	-	-
	1999-00	-	-	-	-
	2000-01	3938	3938	3653	3653
	2001-02	-	-	-	-
	2002-03	-	-	-	-
	2003-04	-	-	-	-
	2004-05	-	-	-	-

12.	2005-06	-	-	-	-
	2006-07	-	-	-	-
	2007-08	104712	104712	7200	7200
	2008-09	85561	85561	15272	15272
	2009-10	16325	16325	3850	3850
	2010-11	-	-	-	-
	2011-12	-	-	-	-
	2012-13	-	-	-	-
	2013-14	-	-	-	-
	2014-15	-	-	-	-
	2015-16	-	-	-	-
	2016-17	-	-	-	-
	2017-18	-	-	-	-

Applicability of General Condition & Status of SEIAA: Not applicable

13. Project Cost & Employment:

The total mining cost for the proposed expansion project is about Rs. 15 Crores. This includes the EMP cost of Rs. 20 Lakhs. During operation phase, manpower requirement will be about 225 nos. including skilled and unskilled workers.

Observations and recommendations of committee of 10th EAC meeting held on, 11-12th July, 2018:

The EAC, after detailed deliberations on the proposal in terms of the provisions of the MoEF&CC Notification dated 14th March, 2017, confirmed the case to be of violation of the EIA Notification, 2006 and recommended to defer the proposal for want of following information from project proponent:

- (i) Submission of LOI/mine lease document in the name M/s JCCL.
- (ii) Details of past production of mine since its inception duly authenticated by Department of Mines & Geology, State Government.
- (iii) To submit the KML/Shape Files of the mine lease area at the time of presentation before EAC.
- (iv) Chronological details of grant of mine lease since inception.
- (v) Submission of copies of Acquisition and Auction details from Debt Recovery Tribunal, Kolkata.
- (vi) Valid documents pertaining to merger from ZPCL to JCCL. (vii) Copies of earlier sectoral EAC meeting minutes.

Observations and recommendations in the 19th EAC held on 25th -26th Feb 2019:

The EAC, observed that PP has not submitted LOI/mine lease document in the name M/s JCCL. After detailed deliberation, EAC recommended to defer the project for want of following:

- I. Submission of LOI/mine lease document in the name M/s JCCL.
- II. Submission of Annexure II as per the format given in the agenda.

Observations and recommendations of committee of 21st EAC Meeting held on 15th-16th April, 2019

PP along with the consultant made a presentation on the additional information sought in the 19th EAC held on 25th -26th Feb 2019. EAC observed that PP applied for 6.2 MTPA capacity for limestone extraction but not included overburden. Therefore, EAC recommended PP to submit the revised Form 1 and PFR along with the bifurcation of total extraction. EAC asked PP to submit the details by tomorrow.

PP vide letter dated JCCL/JSCP/MINES/2019 dated 16.04.2019 informed EAC that they are finalizing application (Form 1 and PFR) and need some more time to submit the same to MoEF&CC and therefore, requested to defer the project. EAC based on PP request deferred the proposal.

Observations and recommendations of committee of EAC in its 44th meeting (present meeting) held during 18th – 19th February,2021:

EAC deliberated on the information presented by the PP and noted that present application is for Limestone Mine for lime stone production [from mining lease area of 328.34Ha. Bifurcation data of total extraction is given in Review and Updation of Mining Plan prepared for the Year 2020 -21 to 2024-25 and submitted to IBM for approval vide letter dt. 25.09.2019, which is under process for approval. EAC further observed that PP has requested to give some more time to submit the revised Form-1 and PFR along with the bifurcation of total extraction.

The EAC observed that PP has mined without taking prior EC hence it is confirmed violation case. EAC after detailed deliberation **recommended** for issuing Standard Term of Reference along with the following specific Term of Reference for undertaking EIA and preparation of Environmental Management Plan (EMP) subject to submission of revised Form 1 and revised PFR having details of total excavation within a month. Failing to submit the above document, **Ministry may initiate action and issue necessary directions to the Project Proponent as may be deemed fit.:**

1. The State Government/SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986, and further no consent to operate to be issued till the project is granted EC. If the action has been initiated by the State/State PCB, status of the same may be submitted to the Ministry.
2. The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with the SPCB prior to the grant of EC. The quantum shall be recommended by the EAC and

finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.

3. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
4. Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
5. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.
6. The PP is required to conduct public hearing as per EIA notification, 2006.
7. One season base line data is to be collected and reported in the EIA/EMP report.
8. Mine plan approved by Indian Bureau of Mines to be submitted.
9. DGMS permission is to be submitted for blasting at project site, if any.
10. The PP should also address the all the issues raised during public hearing along with commitments made and with fund provision to address above issues in tabular form to be submitted along with EIA/EMP report.
11. Detailed hydrological study to be carried out in core and buffer zone of the project as per GEC 2015 guidelines.
12. In case of violation of above undertaking, the ToR/Environmental Clearance shall be liable to be terminated forthwith.
13. Budget of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage shall be completed within three years and to be prepared accordingly.
14. The Action Plan on the compliance of the recommendations of the CAG as per Ministry's Circular No. J-11013/71/2016-IA.I (M), dated 25.10.2017 needs to be submitted at the time of appraisal of the project and included in the EIA/EMP Report.

44.4.6. Laterite Mine (M.L. Area 12.55 Ha) at Survey No. 5 of Rakamcherla Village, Pudur Mandal, Vikarabad District, Telengana by M/s Shri G. Srinath Goud - Further

consideration for Terms of Reference Proposal No. IA/TG/MIN/67942/2017 and File No. 23-202/2018-IA.III (V)

Observations and recommendations of committee of 11th EAC meeting held on 31st July - 2nd August 2018:

The EAC, after detailed deliberations on the proposal in terms of the provisions of the MoEF&CC Notification dated 14th March, 2017, defer the proposal for want of following information:

- (i) Submission of production details to be certified by Director Mines and Geology of State Government.
- (ii) Submission of certificate to be obtained from Director Mines and Geology of State Government for PP has not carried out any mining activity beyond mining lease area. I.
- (iii) Valid mine plan approved by Indian Bureau of Mines. II.
- (iv) Certified cluster certificate from District Mines and Geology.
- (v) Notice of closure of mine submitted DGMS.
- (vi) Land use plan legend is not matching with kml file. Hence, submit the land use plan for mining lease area (core zone) and buffer zone.
- (vii) Undertaking to be submitted that no drilling and blasting is carried out in mine.

Observations and recommendations of committee of EAC in its 44th meeting (present meeting) held during 18th – 19th February, 2021:

EAC observed that proposal was listed earlier for appraisal and deferred as EAC sought certain additional information. This time PP did not attend, therefore EAC opined that Ministry may initiate action and issue necessary directions to the Project Proponent as may be deemed fit.

44.4.7. Jobhipat Bauxite Mine project (M.L. Area 129.445 Ha) at Thana No. 98, Village Narma, Thana Bishunpur, District Gumla, Jharkhand by M/s Shri C.M. Gupta - Further consideration for Terms of Reference Proposal No. IA/JH/MIN/68431/2017 and File No. 23-210/2018-IA.III (V)

Observations and recommendations of committee of 11th EAC meeting held on 31st July - 2nd August 2018: Project proponent did not attend the meeting.

Observations and recommendations of committee in the 22nd EAC meeting held on 21-22nd May 2019:

Project proponent made aware to the committee that they have applied for the surrender of forest land of 60.913 Ha out of total mine lease area of 129.44 Ha. EAC noted the facts and PP requested to defer the project without discussing on technical issues of the project till forest land of 60.913 ha is surrendered.

Observations and recommendations of committee of EAC in its 44th meeting (present meeting) held during 18th – 19th February, 2021:

EAC observed that proposal was listed earlier for appraisal and requested to defer the project as they had applied for the surrender of forest land of 60.913 Ha out of total mine lease area of 129.44 Ha.

EAC in the present meeting observed that, it has been almost 21 months since 22nd EAC meeting and PP did not attend the present meeting for technical appraisal of the project proposal, therefore EAC opined that Ministry may initiate action and issue necessary directions to the Project Proponent as may be deemed fit.

44.4.8. Modification and Expansion of Group Housing Project 'Atharva' at Sec109, Village PawalaKhurupur, Gurugram (Haryana) by M/s. Raheja Developers - Further consideration for Terms of Reference Proposal No. IA/HR/NCP/64537/2017 and File No. 23-30/2018-IA.III (V)

Observations and recommendations of committee in the 4th EAC meeting held on 19-21 February, 2018:

The EAC, after detailed deliberations on the proposal, opined that the SEIAA in Haryana has already taken cognizance of the findings of the sub-committee, and issued the show cause notice on 4th December, 2017. The Committee desired that the same needs to be concluded by SEIAA first, and then only the case can be considered in terms of the Ministry's Notification dated 14th March, 2017.

Observations and recommendations of committee of EAC in its 44th meeting (present meeting) held during 18th – 19th February,2021:

EAC observed that proposal was listed earlier for appraisal in the 4th EAC meeting and deferred the proposal as SEIAA had issued the show cause notice on 4th December, 2017.

As the matter was pending with the Ministry, proposal is listed for consideration in the present meeting (44th). EAC opined that since instant proposal is category B, PP might have submitted the application under Ministry's Notification dated 08.03.2018 to the SEIAA under violation. EAC therefore suggested that if the proposal is not submitted at SEIAA, Ministry may consider to transfer the proposal to SEIAA.

44.4.9. Proposal for Damodarpur, Palkiri, Chatatand, Bhojudih, Narkera Sand Mining Project for collection of river bed sand from the River Izri and Gowai with 0.35 MTPA production capacity in M.L. Area 50.17 Ha. at Village Damodarpur, Palkiri, Chatatand, Bhojudih, Narkera, Tehsil Chandankyari, District Bokaro, Jharkhand by M/s Tata Steel Limited - Further consideration for Terms of Reference Proposal No. IA/JH/MIN/73786/2018 and File No. 23-230/2018-IA.III (V)

Observations and recommendations of committee in the 12th EAC meeting held on 28th -29th August 2018:

The EAC noted that sand mining lease was granted in favour M/s Tata Steel Limited for a period of 20 years on 29.11.1983 for lifting of sand from the river bed for stowing purpose in coal mines located at Jharia Coalfield and its validity was up to Nov'2003. The renewal application was made in Nov'2002. Thereafter, as per MMDR Act, 2015- Lease validity is claimed to be extended for fifty years i.e. till 28thNovember 2033 by the PP. PP mined the lease without EC and consent under Air/Water act.

The EAC, after detailed deliberations recommended to defer the proposal for want of following information:

- i. Letter from the State department of Mines and Geology that validity of mines has been extended as per MMDR Act, 2015 for fifty years i.e. till 28thNovember 2033.
- ii. Submission of certified production details since inception by Director Mines and Geology of State Government.
- iii. Submission of certificate to be obtained from Director Mines and Geology of State Government for PP has not carried out any mining activity beyond mining lease area.
- iv. The Project Proponent shall give an undertaking by way of affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2ndAugust 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors. before grant of ToR/ EC. The undertaking interalia include commitment of the PP not to repeat any such violation in future.

Observations and recommendations of committee of EAC in its 44th meeting (present meeting) held during 18th – 19th February,2021:

EAC observed that proposal was listed earlier for appraisal and deferred as EAC sought certain additional information. This time PP did not attend, therefore EAC opined that Ministry may initiate action and issue necessary directions to the Project Proponent as may be deemed fit.

44.4.10. Jhillingburu-I Iron & Manganese Ore Mining project of M/s Steel Authority of India Ltd. for enhancement of production capacity of manganese ore from 42,000 TPA to 61,362 TPA located at P.O. Gua, Block Noamundi, District West Singhbhum, Jharkhand (ML Area 210.526 Ha) - Further consideration for Terms of Reference Proposal No. IA/JH/MIN/73909/2018 and File No. 23-232/2018-IA.III (V)

Project Proponent alongwith the consultant made the detailed presentation and provided following information to the EAC:

1. Projectdescription:

The ProposalofM/s. Steel Authority of India Limited(SAIL)isforMiningofManganese Orefrom Jhillingburu-I Iron and Manganese Ore Mining Project for Total Excavation of 672037 Tonneper annum(MTPA)/[including 61362tonsof(Manganese Ore),Waste,O.B, Inter Burden (531006 tons), Subgrade (80031 tons) etc.] from mining lease area (210.526 Ha) located at Villages Gua, Ghatkuri Reserve Forest, Saranda Forest Division Tehsil: Noamundi, District West Singhbhum of Jharkhand by M/sSAIL.

2. Project Background:

The proposal of M/s SAIL is for production of 61362 TPA (Manganese Ore) from Jhillingburu-I Iron and Manganese Ore Mining Project (ML Area 210.526 Ha, located at Survey No. (Refer Form-1), at Gua, Ghatkuri Reserve Forest, Saranda Forest Division Tehsil: Noamundi, District West Singhbhum, of State Jharkhand. The mining lease is located on Survey of India Topo-sheet no. 73 F/8. The area is bounded between the coordinates Latitude 22°11'15.230"N to 22°12'28.415"N and Longitude 85°22'00.438"E to 85°22'54.411"E.

3. Category of the Project (Refer cluster certificate if applicable):

The said project/ activity is covered under category 'A' of item 1 (a) of the Schedule to the EIA Notification, 2006 as amended, and requires prior EC from the MoEF&CC.

4. Violation Details & Sectorial EAC/SEAC Comments:

Details about Violation:

The mine had operated during the period 1961–1971 with maximum production of 42,532 t/yr of manganese ore in 1964. The mine has operated during 2008-2011 without requisite prior Environment Clearance. Mining has been suspended since 2012 for want of Environmental Clearance.

Comments / recommendations of Sectorial EAC or SEAC before submitting the application on violation portal: Not Applicable

5. Application (Form-1 & PFR):

Fresh application was made online vide proposal no. IA/JH/MIN/73909/2018 dated 04.04.2018 under violation category for Term of References (ToR) in terms of provision of the Ministry's Notification S.O 804 (E) and submitted Form-1 and PFR. The proposed project activity is covered under 'Schedule of EIA Notification, 2006 and is a category 'A' project.

6. Details of Mineral:

Manganese is a major mineral as specified in the Part C of the First schedule of MMDR act 1957.

Status before 2006- major mineral.

7. Letter of Intent (LoI)/ Mining Lease Details:

Letter from Deputy Director of Mines and Geology, vide order no. dated and the lease deed was executed for w.e.f. date and is valid till date

1. Date of entering into Original lease deed:	2. Date of 1 st lease renewal:	3. Date of 2 nd lease renewal:
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<p>* 12.05.1950.</p> <p>2. Date of expiry of Original lease deed: 11.05.1980.</p> <p>* <i>The Mining Lease for Jhillingburu-I was granted in favor of Indian Iron & Steel Company Ltd (IISCO) with effect from 12.5.1950 for 30 years.</i></p>	<p>12.05.1980.</p> <p>2. Whether renewal or deemed renewal: Deemed renewal.</p> <p>3. Date of expiry of 1st lease renewal/deemed renewal: 11.05.2010.</p>	<p>Application for second renewal of the mining lease was submitted vide ref. no.-Gua/E&L/JB-I/09-10/011 dated 25.04.2009 for renewal for a period of 20 years.</p> <p>Mining Lease extension proposal was recommended by Deputy Commissioner, Chaibasa and forwarded to Director (Mines) on 17.07.2019. Lease Extension Proposal is under consideration with Dept. of Mines & Geology, Govt. of Jharkhand as per MMGC, Rules, 2015.</p> <p>The extension of lease period is under consideration with Govt. of Jharkhand as per the provisions of MMDR Amendment Act 2015 & The Mineral (Mining by Govt. Company) Rule 2015.</p>
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8. Method of Mining & Mining Plan Details:

- Modified Mining Plan including PMCP has been approved by IBM vide No. KOL/SB(W)/Fe&Mn/MP-429 dated 09.10.2015. Further, Modification of Approved Modified Mining Plan in respect of Jhillingburu-I Manganese & Iron Ore lease was approved by IBM, Ranchi vide letter No. RAN/WSB/Mn-Fe/MP-15/2019-20 dated 26.12.2019. As per which the method of mining shall be opencast.
- Details of drilling & blasting: The mine will be developed by mechanized opencast method of working using shovel and tipper combination. Permission for deep-hole drilling & blasting with deployment of HEMM will be taken from the regional office of DGMS prior to commencement of the mining workings. It is proposed to deploy 110 mm diameter drills for primary drilling. Blasting is done by using slurry explosives and Nonel fuses. Emulsion explosives will be used in harder strata.

It is a mechanized opencast mine where excavation of rock is to be done by drilling and blasting. The drilling pattern to be followed here is square and staggered pattern having hole dia. of 110 mm with burden and spacing in OB/Ore of 2.5 m and 3 m respectively.

An explosive magazine of 45t capacity located at Gua Iron Ore Mines also caters to the need of Jhillingburu-I Mining Lease. A safety zone exists all around the magazine and barbed wire fencing has been made. Arrestors have been provided as per specifications. The walls, doors, windows, ventilators as well as panels have been constructed as per Indian Explosives Act 1884 & Explosive Rules 1983.

- Bench height and width - 6 m X 12 m
- Ultimate pit limit - 470 m AMSL
- Ultimate pit slope - 45°
- intersection of ground water table if any - Not Applicable (Ground water table in the vicinity occurs lies between 394 m-400 m AMSL)
- **Number of top soil dumps with area and capacity, no. of waste/reject dump with area and capacity during the plan period and at the conceptual stage, backfilling plan if any,**

Top Soil Dump: During the first five yearly scheme period, the work shall be confined exclusively to the already broken up area (32.11 ha), therefore no topsoil shall be generated. However, for the topsoil that will be encountered during the conceptual stage of mining will be stored separately at the specified location over an area of 2.38 hectare and shall be utilized for concurrent plantation.

	Planned Period		Conceptual Stage	
Name	Area (ha)	Capacity (Mm ³)	Area (ha)	Capacity (Mm ³)
	Nil	Nil	2.38	0.127

Waste Dump

Dump No.	Dump Name	Planned Period		Conceptual Stage	
		Area (ha)	Capacity (Mm ³)	Area (ha)	Capacity (Mm ³)
1.		Nil	Nil	10	0.2277
2.		Nil	Nil	10	0.2277

3.		Nil	Nil	10	0.2277
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Backfilled area: OB generated during 1st and 2nd year shall be re-handled and backfilled after 3rd year.

- **Details of crushers /screen/beneficiation plant if any with capacity and numbers, water requirement for the project, plantation details, green belt details. No crushing and screening**

- **Details of crusher/ screen/ beneficiation plant:** Not Applicable

- **Water requirement for the project**

Average water consumption for domestic and industrial use is 10 m³/day and 90 m³/day respectively.

- **Plantation details, green belt details.**

<u>Details of reclamation:</u>	Area (ha)
a. Afforestation shall be done covering an area of: <u>110.69 ha</u> at the end of mining. This will include:	110.69 ha
(i) Reclaimed external OB dump (in ha) :	10 ha
(ii) Internal dump (in ha)	Nil
(iii) Green belt (in ha)	5.350 ha
(iv) Others in ha (such as excavation area along ML boundary, along roads and infrastructure, embankment area and in township located outside the lease etc).	95.34 ha shall be done on quarry upper benches and floors
(v) Void (in ha) at a depth of (in m) which is proposed to be converted into water body	Nil
(vi) Agriculture and horticulture	Nil
(vii) Fisheries	Nil

Density of tree plantation (in no of plants) = 1600 nos./ha

- **Land use as per mining plan at the end of plan period and at conceptual stage.**

S.NO	Particulars	Existing Land use	At the end of Scheme period i.e. Yr 2019-20	Conceptual Stage
1	Excavated Area (Mining)	6.690	14.250	95.340
2	Waste Dump (including parapet wall & Garland drain)	Nil	3.210	10.000
3	Infrastructure (Labour quarter, WTP, Pump house)	25.420	25.420	25.420
4	Roads (Haul Road)	#	2.000	0.900
5	Subgrade (Mineral) Storage	Nil	0.500	8.000
6	Safety Zone	4.700	4.700	4.700
7	Afforestation		0.650	63.786
8	Top Soil Storage	Nil	Nil	2.380
	Total area used	36.810	50.730	147.390
	Balance unused area	173.716	159.796	0
	Total	210.526	210.526	210.526

9. Other Waste Generation, if any:

No other waste will be generated during the planned period.

10. Land Use (Forest/Agricultural/Waste):

Details of Forest	
(i) Total forest area involved (in ha) for mining lease.	Entire lease area (210.526 ha) is designated forest land
(ii) Total broken forest area.	32.11 ha
(iii) Status of Forest Clearance and extend of forest land diverted in ha.	MoEFCC has granted diversion of 32.11 ha of forest land within Jhillingburu-I ML area for renewal of the Mining Lease vide no. F.No. 8-75/98-FC dated 23.11.2000 valid for a period of 20 years. The Stage-I FC for diversion of 210.526 ha

	of forest land has been granted by MoEFCC on 25.09.2017 for the current renewal period.		
(iv) Is there any National Park, eco-sensitive Zones, within 10 km radius? If so, give details.	No		
(v) Extent of forest land in the project (including safety zone and all types of forest land) (in ha)	210.526 ha		
(vi) Total forest land for which Stage-1 FC is available (give area in ha), provide breakup of this area in following format	Area (in ha)	Stage - 1 FC: issued vide letter no. & date	Validity period earlier FC granted.
	210.526	F. No.: 8-75/98-FC (Vol.) dated 25.09.2017	20 years
(vii) Balance forest land for which Stage-1 FC is not available (give area in ha)	NIL		
(viii) Details of wild life issues involved, if any. If so, whether WL management plan has been prepared; pl. indicates the status.	Integrated Wildlife Management Plan for Singhbhum West has been prepared by the State Govt. under the aegis of SAIL, which has already been approved.		
(ix) Whether Schedule-I species, if yes conservation plan is approved by CWLW?	Elephant (in buffer zone): The State Forest Department has arranged to prepare an “Integrated Wildlife Management Plan for West Singhbhum” prepared by team of wildlife expert headed by Dr. D.S. Srivastava. The final report was submitted to MoEFCC by Govt. of Jharkhand on 19-09-2014. Copy of the covering letter for submission of final report of Integrated Wildlife Management Plan for West Singhbhum is given with EIA/EMP report.		

11. Details of past production since inception of mine authenticated by DMG

The details of actual production vis-à-vis sanctioned capacity since the inception of mine in

following format since 1993-94:

Year	EC sanctioned Capacity (in tonnes/ year)	Actual production (in tonnes/ year)	Excess production beyond EC sanctioned capacity (in tonnes/ year)
1993-94	-	Mine was closed during 1971 - 2007	Mine was closed during 1971 - 2007
1994-95			
1995-96			
1996-97			
1997-98			
1998-99			
1999-00			
2000-01			
2001-02			
2002-03			
2003-04			
2004-05			
2005-06			
2006-07			
2007-08			
2008-09		19481.56	19481.56
2009-10		30993.22	30993.22
2010-11		40297.92	40297.92
2011-12		13990.05	13990.05

Mine is closed since 2012 for want of EC

12. Applicability of General Condition & Status of SEIAA: Not Applicable

13. Aravalli/Doon Valley/Western Ghats/Eco-Sensitive area: Not Applicable

14. Project Cost & Employment:

- Project Cost: Rs. 1000 Lakhs.
- Employment: A total of 152 persons consisting of 11 office staffs, 12 highly skilled workers, 18 skilled staff, 16 semi-skilled workmen and 95 un-skilled workers will be employed for the above project. Besides direct employment, the project is expected to generate substantial indirect employment in other sectors, too

15. Affidavit for SC Order 2.08.2017: Already submitted to Ministry

16. Status of DSR, in case of minor mineral: Not Applicable

Observations and recommendations of committee in the 12th EAC meeting held on 28th -29th August 2018:

The EAC, after detailed deliberations recommended to defer the proposal as the application for second renewal of the mining lease was submitted vide ref. no.-Gua/E&L/JB-I/09-10/011 dated 24.04.2009 for renewal for a period of 20 years is under consideration. Hence the project proponent is required to submit the following information for further consideration:

- (i) Letter of Intent for the validity of Mine lease of 210.526 hectare located at Gua, Noamundi block in West Singhbhum district of Jharkhand.
- (ii) Submission of certified production details since inception of mine by Director Mines and Geology of State Government.
- (iii) Status of Forest Clearance.
- (iv) Complete details regarding starting and closing of mining activity.
- (v) If not submitted, the Project Proponent shall give an undertaking by way of affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors. before grant of ToR/ EC. The undertaking interalia include commitment of the PP not to repeat any such violation in future.

Observations and recommendations of committee of EAC in its 44th meeting (present meeting) held during 18th – 19th February, 2021:

Total Excavation of 672037 Tonne per annum (MTPA)/ [including 61362 tons of (Manganese Ore), Waste, O.B, Inter Burden (531006 tons), Subgrade (80031 tons) etc.] from mining lease area (210.526 Ha). The mine had operated during the period 1961–1971 with maximum production of 42,532 t/yr of manganese ore in 1964. The mine has operated during 2008-2011 without requisite prior Environment Clearance. Mining has been suspended since 2012 for want of Environmental Clearance. PP apprised EAC that application for second renewal of the mining lease was submitted vide ref. no.-Gua/E&L/JB-I/09-10/011 dated 25.04.2009 for renewal for a period of 20 years. Mining Lease extension proposal was recommended by Deputy Commissioner, Chaibasa and forwarded to Director (Mines) on 17.07.2019. Lease Extension Proposal is under consideration with Dept. of Mines & Geology, Govt. of Jharkhand as per MMGC, Rules, 2015.

EAC after detailed deliberation **recommended** for issuing Standard Term of Reference along with the following specific Term of Reference for undertaking EIA and preparation of Environmental Management Plan (EMP) **subject** to submission of hard copy of letter dated 17.07.2019 wherein Mining Lease extension proposal was recommended by Deputy Commissioner, Chaibasa and forwarded to Director (Mines), past production details certified by the mining department and an undertaking by way of affidavit to comply with all the statutory requirements and judgment of Hon'ble Supreme Court dated the 2nd August 2017:

1. The State Government/SPCB to take action against the project proponent under the provisions of section 19 of the Environment (Protection) Act, 1986, and further no consent to operate to be issued till the project is granted EC. If the action has been initiated by the State/State PCB, status of the same may be submitted to the Ministry.
2. The project proponent shall be required to submit a bank guarantee equivalent to the amount of remediation plan and natural and community resource augmentation plan with

the SPCB prior to the grant of EC. The quantum shall be recommended by the EAC and finalized by the regulatory authority. The bank guarantee shall be released after successful implementation of the EMP, followed by recommendations of the EAC and approval of the regulatory authority.

3. Assessment of ecological damage with respect to air, water, land and other environmental attributes. The collection and analysis of data shall be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1986, or an environmental laboratory accredited by NABL, or a laboratory of a Council of Scientific and Industrial Research (CSIR) institution working in the field of environment.
4. Preparation of EMP comprising remediation plan and natural and community resource augmentation plan corresponding to the ecological damage assessed and economic benefits derived due to violation.
5. The remediation plan and the natural and community resource augmentation plan to be prepared as an independent chapter in the EIA report by the accredited consultants.
6. The PP is required to conduct public hearing as per EIA notification, 2006.
7. One season base line data is to be collected and reported in the EIA/EMP report.
8. Mine plan approved by Indian Bureau of Mines to be submitted.
9. DGMS permission is to be submitted for blasting at project site, if any.
10. The PP should also address the all the issues raised during public hearing along with commitments made and with fund provision to address above issues in tabular form to be submitted along with EIA/EMP report.
11. Detailed hydrological study to be carried out in core and buffer zone of the project as per GEC 2015 guidelines.
12. In case of violation of above undertaking, the ToR/Environmental Clearance shall be liable to be terminated forthwith.
13. Budget of remediation plan and natural and community resource augmentation plan corresponding to the ecological damage shall be completed within three years and to be prepared accordingly.
14. The Action Plan on the compliance of the recommendations of the CAG as per Ministry's Circular No. J-11013/71/2016-IA.I (M), dated 25.10.2017 needs to be submitted at the time of appraisal of the project and included in the EIA/EMP Report.

44.4.11. Discussion on any other item with permission of the Chair

**Proposal : Enhancement of iron ore production from 3.0 MTPA to 6.0 MTPA at Daitri Iron Mine (ML Area 1018.3085 Ha) at Keonjhar and Jaipur District, Odisha by M/s The Odisha Mining Corporation Ltd. - Environmental Clearance
Proposal No. IA/OR/MIN/186262/2018 and File No. 23-236/2018-IA.III (V).**

EAC noted that above project proposal was considered in 40th EAC meeting held on 31.12.2020. In the said meeting, EAC after detailed deliberation on the information submitted by the PP (EIA/EMP report, PH issues, Compliance report, Form 2, Additional information, Annexures etc), recommended the proposal for grant of Environmental Clearance for iron ore production from 3.0 MTPA to 6.0 MTPA at Daitri Iron Mine (ML Area 1018.3085 Ha) at Keonjhar and Jaipur District, Odisha, subject to the compliance of certain Specific and all Standard EC conditions, as applicable including submission of Stage I FC for the balanced Forest Land (746.3325 ha) prior to grant of EC .

EAC noted that post EAC recommendation, in view of recommended EC condition xi, PP made the following representation to the Ministry:

- Consequent to Sub-section (6) of Section 8A in the MMDR Act, a lot many of non-captive mines expired on 31.03.2020, majority of these are in the State of Odisha and this interim period has created a crisis situation for major steel players within the State, due to shortage in supply of raw material.
- In the prevailing COVID-19 situation, OMC's operating mining leases, are working as a backbone for restoration of State's as well as Nation's economy by continuous supply of raw material to the Steel industries within the State of Odisha.
- Stage - II FC has been granted in respect of Daitari Iron Ore mines for the part forest area over 95.60 ha, which is bearing the Mineral Reserve over **86.16 MT**.
- As per above, the production can be undertaken from the already diverted area for a period more than **14 years** considering the recommended enhanced production @ 6.00 MTPA.

EAC noted that OMC in view of the above requested the Ministry to grant Environmental Clearance for the enhanced production capacity in respect of Daitari Iron ore mines of OMC, with a condition to furnish Stage - I FC within a period of one year from the date of grant of EC. EAC deliberated on the request of the PP and noted that already diverted forest area is having sufficient reserve to produce iron ore @ 6.00 MTPA. EAC after detailed deliberation on the PP request, recommended the proposal for grant of EC subject to compliance of specific and standard EC conditions, as recommended in 40th EAC meeting with following specific EC condition, in suppression of the recommended EC condition xi (40th meeting) :

- i. Production of iron ore at the rate of 6.00 MTPA from the already diverted forest land (95.60 ha), subject to the permission from the Indian Bureau of Mines, for the period of one year from the date of EC granted.

- ii. Forest land to be diverted shall not be used for any mining activity till Forest Clearance for balance forest land is granted.
