

Minutes of 14th meeting of Expert Appraisal Committee for the proposal involving violation of EIA Notification, 2006 held on 22th - 24th October, 2018 at Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi

Day 1: Monday, 22nd October, 2018

Time: 10:00 AM

14.1. Opening remarks of the Chairman

14.2. Confirmation of the minutes of the 13th meeting held on 18th -20th September, 2018 at Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi:

M/s Saurashtra Minerals Private Limited vide email dated 08.10.2018 requested for correction in Minutes of Meeting for the proposal listed in **Agenda no. 13.5.8** w.r.t to following points:

- (i) PP informed that general condition does not apply to the said project as mentioned in the 13th EAC MoM.
- (ii) PP requested that specific condition at point no. xiv is to be deleted as combined mining plan cannot be submitted as individual mining plan are approved by different authorities.
- (iii) Specific condition stipulated at point no. xv regarding submission of amalgamation of two mining leases from state DMG is to be deleted as District Geologist has issued a letter dated expressing the state government inability to merge both the mining leases.

EAC taking note of the representation of PP vide dated 08.10.2018 and letter from Geology and Mining department, Porbandar recommended the following:

- Committee noted that it was a category A project at the time of submission of an application to the Ministry, however after Ministry S.O 3977 dated 14.08.2018 proposal now eventually comes under Category B. General condition as mentioned in the minutes at para 13.5.8.1 is **not applicable** for this project.
- Specific condition as mentioned at point no. xiv, may be read as **“Separate approved mining plan for both minerals is to be submitted”**.
- Specific condition (Amalgamation of mining leases) as mentioned at point no. xv is deleted.

14.3. Consideration of proposals

S.No.	Proposals
14.3.1	Siddavaram Silica Sand Mine (M.L. Area 105.22 Ha) of M/s Mangalore Minerals Pvt. Ltd. for mining of Silica Sand from 17,820 TPA to 300000 TPA at Village Siddavaram, Tehsil Kota, District Nellore, Andhra Pradesh - Terms of Reference [IA/AP/MIN/68592/2017 dated 13.09.2017] [F. No. 23-258/2018-IA.III (V)]
14.3.1.1	M/s Mangalore Minerals Pvt. Ltd. has made online application vide proposal no. IA/AP/MIN/68592/2017 dated 13.09.2017 seeking Term of References for the above

	mentioned proposed project. The proposed project activity is covered under 'A' category of item 1(a) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level.
14.3.1.2	<p>Details of the project as per the submission of project proponent:</p> <p>1. Project description</p> <p>The Proposal of M/s Mangalore Minerals Pvt. Ltd is for Mining of Silica Sand from Siddavaram Silica Sand Mine for total Excavation 0.306 Million Tonne per annum (MTPA)/0.1224 million Cum per annum [including 0.3 million tons of Silica Sand & Waste/Sub grade rejects] from mining in lease area 105.22 Ha located at Village Siddavaram, Tehsil Kota, District Nellore, State Andhra Pradesh by M/s Mangalore Minerals Pvt. Ltd.</p> <p>2. Project Background</p> <p>The proposal of M/s Mangalore Minerals Pvt. Ltd is for Silica Sand production of 0.3 Million Tonne per annum from -Siddavaram Silica Sand Mine (ML Area 105.22 Ha, located at Survey No./Khasra Nos 20 & 38, at village Siddavaram, Tehsil Kota Mandal, District Nellore, State Andhra Pradesh. The mining lease is located on Survey of India Topo-sheet no. 66 B/4. The area is bounded between the coordinates Latitude 14°5'54.3" N-14°7'13.7" N and Longitude 80°5'35.9" E-80°6'5.8" E.</p> <p>Production from this mine was started in 2005-06 and stopped in the year 2011-12.</p> <p>3. Category of the Project (Refer cluster certificate if applicable)</p> <p>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.</p> <p>Cluster condition is not applicable to the project as per MoEF's Gazette notification S.O.2269(E) dated 1st July 2016 as the lease was granted before 9th September, 2013</p> <p>4. Violation Details & Sectorial EAC/SEAC Comments:</p> <p>Since the mine was in operation without EC grant till 2012, hence a violation case. The sequence of events/chronology is as below:</p> <p>The lease Granted vide G.O. Ms. No. 236, dated 6-8-2003, issued by Industries & Commerce (M-III) Dept. G.O. Andhra Pradesh and executed vide letter No. 2188/M2/98, dated 28/2/2004 for a period of 20 years i.e. from 09-09-2003 to 08-09-2023. Mining lease will be valid up to 08.09.2053 (50 YEARS) (As per Rule 8 A (3) of MMDR (Amendment) Act 2015.</p> <p>➤ Mining Plan- Approved by the DMG, Hyderabad vide letter no. 39449/MP-II/ 02, dated 23-05-2003.</p> <ul style="list-style-type: none"> • 1st Scheme of mining was approved by the Zonal Joint DMG, vide letter no. 5466/MP/NLR/2010, dated 14-06-2011 for 2 years upto 2013. • 2nd Scheme of mining was approved vide letter no. 562/MS/NLR/2015, dated 28-05-2015. Modified as per the Committee report and approved vide letter no. 723/MMS/NLR/2016, dated 05.03.2016 for 3 years valid upto 2019-20. <p>➤ Production from this mine was started in 2005-2006 and stopped in the year 2011-12. About 28011 T Silica Sand was produced.</p>

- Project proponent applied to MoEF&CC for Grant of Tor for first time EC cum Expansion in production from 17820TPA to 3,00,000TPA. The case was presented before EAC in the meeting held on 26-28th June 2013.
- MoEF&CC considered the project as violation of EIA Notification 2006 on account of mine operation without EC till 2014-15 and issued a letter to State Government of AP to take credible action against P.P. vide letter no.J-11015/149/2013-IA.II (M) dated 13.02.2014. Simultaneously MoEF issued a letter to PP dated 13.02.2014 for compliance of certain conditions including placing the violation before the Board of Director's and to ensure that the credible action has been taken by the State Government.
- In compliance with order of MoEF&CC the A.P. SPCB filed a court case File no. 301/15 and Court found PP guilty and imposed a penalty of Rs 1 lakh which was duly paid by PP. The violation matter was placed before the Board of Director's as directed by MoEF & CC which took note and committed not to repeat the violation.
- After compliance of conditions of MoEF letter No.J-11015/149/2013-IA.II (M) dated 13.02.2014 the project was considered for issuance of ToR in the EAC. Subsequently TOR was granted by EAC(Non-Coal Mining), MoEF vide Letter no. 11015/305/2015-IA-II(M) dated 6th October, 2015.
- Baseline study done in Post-monsoon season (Oct to Dec, 2015).
- Public Hearing was held on 16.01.2017.
- Final EIA was Submitted to MoEF&CC on 4.2.2017 and listed for the appraisal in the 16th Meeting 20-21.03.2017 at agenda item no. 2.3 for **EC consideration**.
- The MoEF&CC appraised the project and in the Minutes of the Meeting displayed on the website the EAC (Non-Coal Mining) Committee accepted that Violation proceedings have been completed. However, the committee deferred the proposal for the need of certain clarifications. Subsequently after issuance of Notification S.O. 804(E) dated 14th March, 2017 the MoEF&CC issued a letter to PP on 15.05.2017 to submit the proposal before violation committee. Hence, we submitted application before EAC (Violation Committee).
- In Compliance, authenticated past production figures were obtained from ADGM, Nellore on 23.12.2017 and details of violation proceeding have been duly submitted.
- As per directions of MoEF&CC, EC Application was submitted to Violation Committee, MoEF&CC on 13.09.2017 at proposal no. IA/AP/MIN/68592/2017
- Now the case is listed at Agenda no. 14.3.1 on 22.10.2018

5. Application (Form-1 &PFR)

Fresh application was made online vide proposal no. **IA/AP/MIN/68592/2017** dated **13.09.2017** 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:

Name of mineral- Silica Sand
 Number of minerals — One
 Whether mineral is major or minor — Minor Mineral
 Status of same mineral before 2006 (major or minor)— Major

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

Letter from the Deputy Director of Mines and Geology/Industries & Commerce (M-III) Dept. G.O. Andhra Pradesh vide order no. 236 dated 6.08.2003 and the lease deed was

executed for 20 years on 28.02.2004 and is valid from 09.09.2003 till 08.09.2023 which will be extended upto 08.09.2053 i.e. 50 YEARS from the date of original grant as per Rule 8 A (3) of MMDR (Amendment) Act 2015. There was no successive renewal, transfer of lease or execution of supplementary deed due to surrender of area or addition of mineral.

8. Method of Mining & Mining Plan Details:

The Mining Plan was approved by DMG, Hyderabad vide letter no. 39449/MP-II/ 02, dated 23-05-2003. As per which the method of mining shall be opencast, Semi-mechanized without drilling & blasting. 1st Scheme of mining was approved by the Zonal Joint DMG, Ongole vide letter no. 5466/MP/NLR/2010, dated 14-06-2011 for 2 years upto 2013. 2nd Scheme of mining was approved vide letter no. 562/MS/NLR/2015, dated 28-05-2015. Modified as per the Committee report and approved vide letter no. 723/MMS/NLR/2016, dated 05.03.2016 for 3 years valid upto 2019-20.

Salient Features of Mode of Working:

- It is an open cast semi-mechanized mining without drilling and blasting. Mineral excavation will be done by excavators. Mineral will be collected at temporary dumping site within the lease area and subsequently will be loaded in trucks for transportation. The ultimate depth of mining will be limited to 2.5 m.
- There will be No drilling - Blasting.
- Mining will be done with the help of excavator, tippers, JCB loader and water sprinkler. No processing/ beneficiation plant is proposed in the lease area.
- Plantation will be done in consultation with local forest department, considering poor survival rate of plants in the area.
- Ultimate pit slope will be maintained at 45 deg.
- Due to limited depth of 2.5m bgl Ground water table will not be intersected.
- There will be no top soil dump/waste/reject dump as entire ROM will be taken to the lessee's own mineral washing plant which is at Momidi at a distance of about 10 km.
- The maximum strength of directly employed workers will be 34. Most of the workers will be hired from local villages.
- Total water requirement will be 27 KLD. 2 KLD water will be used in drinking/domestic. 25 KLD water will be used for sprinkling and plantation.
- During conceptual period about 90.44419 ha pit will be left and serve the purpose of water store house. Area will be fenced and kept under watch.

9. Other Waste Generation, if any: About 2% of total production equivalent to 6000 T max per year will be generated as Sub-grade mineral reject which will be utilized in beneficiation plant and for miscellaneous purposes

10. Land Use (Forest/Agricultural/Waste): The land is Govt. Waste Land. No clearance is required

11. Details of past production since inception of mine authenticated by DMG: Authenticated past production figures were obtained from ADGM, Nellore on 23.12.2017 and summarized below:

SL. NO.	Year	Production
1.	2005-2006	2000

2.	2006-2007	1000
3.	2007-2008	Nil
4.	2008-2009	2000
5.	2009-2010	5000
6.	2010-2011	14900
7.	2011-2012	3111
8.	2012-2013	Nil
9.	2013-2014	Nil
10.	2014-2015	Nil
11.	2015-2016	Nil
12.	2016-2017	Nil
13.	2017-2018 (up to 23.12.2017)	Nil
Total		28011

12. Applicability of General Condition & Status of SEIAA: None

13. Project Cost & Employment:

- On account of this project an amount of Rs. 67.5 Lakhs /annum (at maximum production) will be available in the form of District Mineral Fund which will be spent on the improvement of the infrastructure in the local area by District Administration and Panchayat.
- Additional amount of Rs. 14.5 Lakhs have been allocated towards Drinking water, Sanitation facilities, skill development, awareness drive, nearby plantation, contribution to local Panchayat which will elevate social infrastructure.
- Project will generate direct employment to 34 people. Proposed project will also generate indirect employment due to various ancillary activities such as:
 - Canteen services
 - Grocery and vegetable shops
 - Security services
 - Maintenance services
- Assistance to the local authorities will be provided in Periodical Maintenance/repair of road, improvement of educational facilities, health care, road infrastructure and providing clean drinking water.
- Proposed activity will facilitate development of smaller ancillary industries like Machine shops, Auto Repair Garages etc.

14.3.1.3 Observations and recommendations of committee:

EAC observed that present proposal of M/s Mangalore Minerals Pvt. Ltd is for Mining of Silica Sand from Siddavaram Silica Sand Mine for total Excavation 0.306 Million Tone per annum (MTPA)/0.1224 million Cum per annum [including 0.3 million tons of Silica Sand & Waste/Sub grade rejects] from mining in lease area 105.22 Ha located at Village Siddavaram, Tehsil Kota, District Nellore, State Andhra Pradesh.

After detailed presentation by the PP, EAC noted that proponent did not draw reference to the issues raised by Non Coal mining sector wherein issue of site covering the forest land was mentioned. DSS picture which was referred by EAC violation committee also shows

	<p>that site is partly covered by forest land. Contrary, as per PP submission, no forest land is involved in the mine lease area.</p> <p>After detailed deliberation, the committee deferred the proposal for want of following information:</p> <p><i>Certificate from the State Forest Department that no forest land is involved in the mine lease area.</i></p>
14.3.2	<p>Proposed production of 3,40,000 TPA of Silica sand mine of M/s Sri Kumaraswamy Silica Mine, located over an extent of 136.944 Ha in Survey No. 695/22, 696 - revised to 129.866 Ha in Survey No. 695/22, Village Momidi, Mandal Chillakur, District S.P.S.R. Nellore, Andhra Pradesh - Terms of Reference</p> <p>[IA/AP/MIN/74389/2018 dated 13.04.2018] [F. No. 23-259/2018-IA.III (V)]</p>
14.3.2.1	<p>Committee observed that PP has submitted an application in duplicate for which ToR was already recommended in the 13th EAC meeting of Violation. PP is therefore requested to withdraw the proposal.</p>
14.3.3	<p>Proposed Pyrophyllite and Green Quartz Mine (M.L. Area 157.491Ha) of M/s Minex Resources Pvt. Ltd., located at Sy. No. 583 &584/1, Villages Marrikommadinne & N.P.Kunta, Mandal N.P.Kunta, District Ananthapuramu, Andhra Pradesh - Terms of Reference.</p> <p>[IA/AP/MIN/74394/2018 dated 13.04.2018] [F. No. 23-260/2018-IA.III (V)]</p>
14.3.3.1	<p>M/s Minex Resources Pvt. Ltd. has made online application vide proposal no. IA/AP/MIN/74394/2018 dated 13.04.2018 seeking Term of References for the above mentioned proposed project. The proposed project activity is covered under 'A' category of item 1(a) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level.</p>
14.3.3.2	<p>Details of the project as per the submission of project proponent:</p> <p>1. Projectdescription</p> <p>The Proposal of M/s Minex Resources Private Limited is for Mining of Phyrophyllite & Green Quartz- from M/s Minex Resources Private Limited for Total Excavation of 81,000 TPA of Pyrophyllite and 12,656 TPA of Green Quartz [including 9000 TPA Pyrophyllite waste and 1406.25 TPA of Green Quartz waste , O.B, Inter Burden, Top Soil etc.] from mining lease area 157.491 located at Villages Marrikommadinne & N.P.Kunta, Tehsil N.P.Kunta District Ananthapuramu, State Andhra Pradesh by M/s Minex Resources Private Limited.</p> <p>2. ProjectBackground</p> <p>The proposal of M/s Minex Resources Private Limited is for production of 81,000 TPA of Pyrophyllite and 12,656 TPA of Green Quartz from - M/s Minex Resources Private Limited (157.491 ML Area Ha, located at Survey No.583 & 584/1, at villages Marrikommadinne & N.P.Kunta, Tehsil N.P.Kunta District Ananthapuramu, State Andhra Pradesh .The mining lease is located on Survey of India Topo-sheet no.57/ J/8. The area is bounded between the coordinates Latitude N 14° - 03' – 54.48" and E 78° - 25' – 23.05"</p> <p>3. Category of the Project (Refer cluster certificate if applicable)</p> <p>The said project/activity is covered under category (1) of item (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.</p>

4. Violation Details & Sectorial EAC/SEAC Comments: Mine operated without obtaining prior Environmental Clearance

5. Application (Form-1 & PFR)

Fresh application was made online vide proposal no. IA/AP/MIN/74394/2018 dated: 13 Apr 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- 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. Whether mineral is major or minor. Status of same mineral before 2006 (major or minor):

- a. Pyrophyllite Minor Mineral
- b. Green Quartz – Major Minerals (before 2006 it is a Minor mineral)

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

M/s Minex Resources Private Limited was granted mining lease for Pyrophyllite & Green Quartz over an extent of 157.491 Hectares (Ac.389.17 Cts) in Sy. No.s 583 & 584/1 of Marrikommadinne (V) & N.P.Kunta (V), N.P.Kunta (M), Anantapur District, A.P. vide G.O. Ms. No.96, Ind. & Com. (M.III) Dept., dated: 03-04-2008 by way of transfer of Mining Lease held by M/s Siva Sai Mines and Minerals for the unexpired portion of the lease period up to 15-02-2025. Further, M/s Minex Resources (P) Limited has been accorded work orders to commence mining operations in the subject area vide Proceedings No.510/ML/08, dated: 19-05-2008.

8. Method of Mining & Mining Plan Details:

The Mining Plan was approved by IBM/DMG vide LRNo. AP/ANP/MP/ Pyro – G.Qtz-25/Hyd dated 29-09-2000. As per which the method of mining shall be opencast/ underground/ mechanized etc.

- **Mining** was carried out by opencast other than fully mechanized mining method with drilling blasting. The ROM will be sized and sorted manually and loaded onto tippers and tractors using JCB. Mining will be carried out by formation of benches of height 6 mts and 3 mts each. Groundwater is observed to be ranging in depth from 30-40 m bgl.
- **Drilling and Blasting:**

Drilling Parameters:

- (i) Drill holes diameter: 32 mm and 1.5 m depth.
- (ii) Burden and Spacing: 0.8 m X 0.8 m.
- (iii) Rock broken / Hole: 0.8m X 0.8m X 1.5m = 0.96 m³.
- (iv) Yearly proposed for rock excavation:
Pyrophyllite = 1,25,800 m³
Green Quartz = 17,370 m³
Total = 1,43,170 m³
- (v) Therefore, No. of holes proposed for year: 1,43,170/0.96 = 1,49,135
- (vi) Therefore No. of holes proposed for day: 1,49,135 /300 = 497 holes per day. Twenty holes shall be blasted in a round.

	<p>(vii) Stemming and charging of the blast hole: The blast hole will be charged with 100 grams of explosives and filled with clan pills subsequently; the shot hole will be stemmed using brass stemming rods.</p> <p>Explosive Requirement: 497 Holes X 100 Gms. = 49,700 Gms or 49.7 Kgs per day.</p> <p>(viii) Explosive type: 1) Packed Aluminium Nitrate, 2) Liquid slurry and 3) Gunpowder as per requirement.</p> <p>(ix) The blasting time should be once in the morning at 6.00 A.M. and once in the evening before 6.00 P.M.</p> <p>The drilling will be carried out by a tractor mounted Compressor with jack hammer combination. The hole diameter will be 32 mm and the depth will be 1.5 m. The blasting material will be ANFO mixture and detonators. The blast holes will be covered with sand bags or plaster of paris mixture to minimize the sound and dust rising. After blasting the rock it will be loaded by excavators into the Tippers and hauled to the crushing plant for further processing.</p> <ul style="list-style-type: none"> • Dump Details: About 9000 TPA of Pyrophyllite waste and 1406.25 TPA of green quartz waste will be generate. Pyrophyllite and Green Quartz is exposed over the ML area as veins striking NE-SW and NW-SE prominently with negligible soil cover. There is no mineral rejects or any sub-grade material from this mine. However about 10% intercalated waste is anticipated which will be dumped on the proposed dump area on the eastern portion of the working pits. • NO crushers /screen/beneficiation plant • Land use as per mining plan at the end of plan period and at conceptual stage. The worked out pit will occupy an area of 16,320 m² or 1.632 ha. to a depth of 24 m reaching 414 m (FRL) at the central portion of the working pit-1. The area occupied by internal roads would be 1.288 Hectares, while plantation will be occupying an area of 2.566 ha. on the East, North and SW portion of the 7.5m buffer zone of the ML Area. The dump will be occupying an area of 0.680 ha. on the eastern portion of the working pits. The stock yard occupies 0.240 ha. while the site services are proposed on the eastern portion occupying 0.220 ha. <p>9. Other Waste Generation, if any: NIL</p> <p>10. Land Use(Forest/Agricultural/Waste): Detailed information will be submitted at the time of Final EIA submission</p> <p>11. Applicability of General Condition & Status of SEIAA: Not Applicable</p> <p>12.Project Cost & Employment: Total investment in this project by the applicant will be around Rs.02 Cr.The strength of employees would be around 33 members.</p>
<p>14.3.3.3</p>	<p>Project proponent requested to defer the proposal because they could not produce production details since inception of mine authenticated by the State department of Mines and Geology which is required to establish violation in the proposal.</p> <p>Committee also observed that PP has not submitted affidavit as per the Ministry's OM dated 30.05.2018 for compliance of Hon'ble Supreme court order dated 02.08.2017 in CWP.</p> <p>In view of PP request, EAC deferred the proposal and asked the PP to submit the following:</p> <ol style="list-style-type: none"> 1. Affidavit as per the Ministry's OM dated 30.05.2018 for compliance of Hon'ble Supreme court order dated 2.8.2017 in CWP. 2. Production details authenticated by the state department of Mines and Geology.

	3. Valid Mine lease documents for the validity of mine lease upto year 2023.
14.3.4	M/s Sri Anjani Mines & Minerals for mining of Iron Ore (M.L. Area 208.30 Ha) located at Sy. No. 324, Village Chabali and Sy. No. 628, Village Thummalur, Mandal Pendlimarri, District YSR Kadapa, Andhra Pradesh - Terms of Reference [IA/AP/MIN/74395/2018 dated 13.04.2018] [F. No. 23-261/2018-IA.III (V)]
14.3.4.1	Project proponent requested to defer the proposal.
14.3.5	Sri K. Janardhana Naidu, mining Quartzite (M.L. Area 45.00 ha) located at Sy. No.21 of Peddamarika, Sy. No.179 of Ravikona-Battivalsa and Sy. No.2 of Gangamambapuram, Mandal Parvathipuram, District Vizianagaram, Andhra Pradesh - Terms of Reference. [IA/AP/MIN/74495/2018 dated 13.04.2018] [F. No. 23-262/2018-IA.III (V)]
14.3.5.1	Project proponent requested to defer the proposal.
14.3.6	Bandla Limestone mining project (M.L. Area 4.96 Ha) of M/s Friends Mineral, located at MauzaShamahPamta, Tehsil Paonta sahib, District Sirmaur, Himachal Pradesh - Terms of Reference [IA/HP/MIN/74337/2018 dated 13.04.2018] [F. No. 23-263/2018-IA.III (V)]
14.3.6.1	M/s Friends Mineral has made online application vide proposal no. IA/HP/MIN/74337/2018 dated 13.04.2018 seeking Term of References for the above mentioned proposed project. The proposed project activity is covered under 'B' category of item 1(a) of the Schedule to the EIA Notification, 2006 and the proposal was appraised as Category A at Central level as general condition applies.
14.3.6.2	Details of the project as per the submission of project proponent: 1. Project description The Proposal of M/s Friends Minerals is for Mining of Limestone from Bandla Limestone Mine for Total Excavation 61285 Million Tonne per annum (MTPA)/ / Tonne per annum (TPA) [including 60021 million tons of Limestone, Waste, O.B, Inter Burden, Top Soil etc.] from mining lease area (4.96 Ha) located at Villages Shamah Pamta, Tehsil Poanta Sahib, District Sirmaur, State Himachal Pradesh by M/s Friends Minerals 2. Project Background The proposal of M/s Friends Minerals is for production of 61285 Million Tonne per annum (MTPA)/ / Tonne per annum (60021 TPA of Limestone) from Bandla Limestone Mine (ML Area 4.96 Ha), located at Khasra No. 1457/1/2, 1457/2, 1594, 1595, 1881, 1572/1, 1881/1575/2, at Villages Shamah Pamta, Tehsil Poanta Sahib, District Sirmaur, State Himachal Pradesh. The mining lease is located on Survey of India Topo-sheet no.53F10. The area is bounded between the coordinates Latitude 30035'39.1"N to 30035'47.83" N and Longitude 77042'9.32" E to 77042'24.8" E 3. Category of the Project: The said project/activity is covered under category B of item 1 (a) of the Schedule to the EIA Notification, 2006 as amended, and requires to appraised as Category A because general condition apply-Himachal Pradesh-Uttarakhand interstate boundary for prior EC from the MoEF&CC. 4. Violation Details & Sectorial EAC/SEAC Comments:

Application for TOR submitted to EAC	26-08-2016
Acceptance of application for TOR	7-09-2016
Baseline environment data collection	October-December 2016
Public Hearing	19-04-2017
Final EIA submission	10-08-2017
Final observations/recommendations of the EAC (Non- Coal Mining) MoEF & CC in its meetings	--
Letter regarding violation of the project	03-04-2017
Submission of project under violation	13-04-2018
Action taken by the State Government/SEIAA	--
Complaint case filed by the State Government/State Pollution Control Board	--
Further consideration of the proposal by the EAC and recommendations	Nil
Final recommendations of EAC	Nil
Legal Interventions, if any	--

As per the letter issued by Ministry of Environment, Forests & Climate Change vide letter no. J-11015/185/2915-IA.II (M) dated 3rd April 2018, the mining lease has been put into violation category as the mine was operated without prior environment clearance.

5. Application (Form-1 & PFR)

Fresh application was made online vide proposal no. IA/HP/MIN/74337/2018 dated 13.04.2018 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 1 (a) of EIA Notification, 2006 and is a category 'B' appraised at EAC (MoEF&CC) because of Inter-state boundary International boundary at 3.8 (km) distance from the project]

6. Details of Minerals:

Number of minerals. Whether mineral is major or minor. Status of same mineral before 2006 (major or minor): Limestone (Major Mineral). The limestone was under major mineral before 2006.

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

Letter from the Commissioner Industries, Himachal Pradesh vide order no. Udyog-bhu(Khani-4) Major-122/04-2327 dated 5-06-2015 and the lease deed was executed for 50 years w.e.f 1.08.1985 and is valid till 31.07.2035

8. Method of Mining & Mining Plan Details:

- The Mining Plan was approved by IBM/DMG vide LR No. 614 (2)/MP-B-220/05/DDN dated 29.07.2016. As per which the method of mining shall be opencast and 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,

The mining will be opencast semi mechanized and limestone shall be exploited adoption of drilling and blasting. Jack hammer drilling and blasting with conventional explosive shall be carried out to dislodge the rock mass. Blasting will be done by using class-2 explosives, detonated by ordinary detonators and safety fuse as well as by electric detonators. No ground water intersection will take place during mining activity.

Bench height and width will be kept 6 m respectively with face slope of 70°.

- 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,

No top soil will be generated by the mining activity and the inter burden generated will be used for making parapet wall/checks dams etc.

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

No crushers plant.

Water requirement: 4.8 KLD (1.8 KLD domestic and 3.0 KLD dust suppression)

Plantation details: 0.25 Ha. over the period of 5 years over 7.5 m strip (250 saplings)
0.2 Ha. over the period of 5 years over the benches (200 saplings)

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

S. No	Head	At present (Ha.)	At the end of SOM period (ha)	At the end of conceptual period (ha.)
a)	Total area excavated (broken)	2.10	1.32	4.48
b)	Area fully mined out	Nil	0.38	3.20
c)	Area fully rehabilitated by	Nil	Nil	Nil
d)	Area rehabilitated by	Nil	0.38	3.20

9. Other Waste Generation, if any:5980 cum of waste will be generated during plan period. The waste to be generated shall be used for maintenance of PWD roads, approach road and making parapet walls and rehabilitation of benches.

	<p>10. Land Use (Forest/Agricultural/Waste): The project site is waste land. No forest/agriculture land is involved in the mining activity. land is involved in the mining activity.</p> <p>11. Details of past production since inception of mine authenticated by DMG</p> <p>Past Production reference to DMG letter no Udyog (Bhu) SMR – Major – Friends 702 dated 22-07-2017</p> <table border="1" data-bbox="365 483 1437 770"> <thead> <tr> <th>S. No.</th> <th>Year</th> <th>Production (in MT)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2010-2011</td> <td>7960.4</td> </tr> <tr> <td>2.</td> <td>2011-2013</td> <td>6939.5</td> </tr> <tr> <td>3</td> <td>2013-14</td> <td>Nil</td> </tr> <tr> <td>4</td> <td>2014-15</td> <td>7609.6</td> </tr> <tr> <td>5</td> <td>2015-16</td> <td>2104.8</td> </tr> <tr> <td></td> <td>2016-17</td> <td>21998.3</td> </tr> </tbody> </table> <p>12. Applicability of General Condition & Status of SEIAA: General Condition is applicable to the project as the border of Uttarakhand is within 5 km (3.8 km, E) from the project site.</p> <p>13. Project Cost & Employment: Project Cost: 55 Lakh. Employment: 33 persons. EMP cost: 8.8 Lakh and recurring of 5.0 Lakh. CER activity: 4 Lakh (Construction of separate toilet for boy and girls, Medical aid, Supplying raw materials for construction of community centre in the nearby village. Budget for conservation plan for leopard: 8 Lakh/annum</p>	S. No.	Year	Production (in MT)	1.	2010-2011	7960.4	2.	2011-2013	6939.5	3	2013-14	Nil	4	2014-15	7609.6	5	2015-16	2104.8		2016-17	21998.3
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<p>14.3.6.3</p>	<p>Observation and Recommendation of the committee:</p> <p>After detailed presentation by the consultant M/s Shivalik Solid waste management Ltd, the EAC noted the following:</p> <ol style="list-style-type: none"> As per Project proponent mine lease area is a total private land, however DSS showed project site is falling in the Forest land bearing compartment no. C-3, Beat : Sataun under Renuka Ji Forest Division. Mine lease document submitted is not valid as three-month window given by the mine department for getting statutory clearance is already lapsed. <p>After due deliberation the Committee deferred the proposal for want of following information:</p> <ol style="list-style-type: none"> Certificate from the State Forest Department that no forest land was involved in the mine lease area. Valid mine lease document is to be submitted. 																					
<p>14.3.7</p>	<p>Pamta Limestone mining project (M.L. Area 4.4 ha) of M/s A Dean & Company, located at Mauza Chitali & Shamah Pamta, Tehsil Paonta Sahib, District Sirmaur, Himachal Pradesh - Terms of Reference</p> <p>[IA/HP/MIN/74387/2018 dated 13.04.2018] [F. No. 23-264/2018-IA.III (V)]</p>																					
<p>14.3.7.1</p>	<p>M/s A Dean & Company has made online application vide proposal no. IA/HP/MIN/74387/2018 dated 13.04.2018 seeking Term of References for the above</p>																					

	mentioned proposed project. The proposed project activity is covered under 'B' category of item 1(a) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level as general condition applies.										
14.3.7.2	<p>Details of the project as per the submission of project proponent:</p> <p>1. Project description</p> <p>The Proposal of M/s A Dean & Company is for Mining of Limestone from Pamta Limestone Mine for Total Excavation 1 33334 Tonne per annum (TPA) [including 120000 tons of Limestone, Waste, O.B, Inter Burden, Top Soil etc.] from mining lease area (4.4 Ha) located at Villages Chitali & Shamah Pamta, Tehsil Paonta Sahib, District Sirmaur, State Himachal Pradesh by M/s A Dean & Company.</p> <p>2. Project Background</p> <p>The proposal of M/s A Dean & Company is for production of 133334 Tonne per annum (MTPA) / Tonne per annum (120000 TPA of Limestone) from Pamta Limestone Mine (ML Area 4.4 Ha), located at Khasra No. 147, 141, 140, 142, 143, 144, 145, 146, 148, 149, 159/1, 956, 1442/1, 960/1, 960/1/1, 960/2, 1034/1, 1440/1, 1449/1, 1887/935, 961, 962, 963, 1028/1, 1029/1, 1030/1, 1031, 1216/1, 1217, 1218/1, 1219/1, 1040/1, 1033/1, 1213, 1214, 1215, 964, 965, 966, 967, 968, 969, 1032/1 at Villages Chitali & Shamah Pamta, Tehsil Paonta Sahib, District Sirmaur, State Himachal Pradesh. The mining lease is located on Survey of India Topo-sheet no.53F10. The area is bounded between the coordinates Latitude 30035'34.46"N to 30035'51.5" N and Longitude 77041'40.7" E to 77042'48.76" E.</p> <p>3. Category of the Project (Refer cluster certificate if applicable)</p> <p>The said project/activity is covered under category A (as general condition apply-Himachal Pradesh-Uttarakhand interstate boundary, 3.45 km, E) 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</p> <p>4. Violation Details & Sectorial EAC/SEAC Comments:</p> <table border="1" data-bbox="344 1227 1481 2007"> <tr> <td data-bbox="344 1227 879 1346">Application for EC was submitted to EAC (Non- Coal Mining) MoEF& CC</td> <td data-bbox="887 1227 1481 1346">18.10.2016</td> </tr> <tr> <td data-bbox="344 1352 879 1402">Baseline Monitoring</td> <td data-bbox="887 1352 1481 1402">December 2015- February 2016.</td> </tr> <tr> <td data-bbox="344 1408 879 1458">Public hearing conducted</td> <td data-bbox="887 1408 1481 1458">22.08.2016</td> </tr> <tr> <td data-bbox="344 1464 879 1570">Appraisal by EAC (Non- Coal Mining), MoEF&CC in its meetings</td> <td data-bbox="887 1464 1481 1570">The case was presented on 33rd EAC meeting held on June 22, 2018.</td> </tr> <tr> <td data-bbox="344 1576 879 2007">Final observations/recommendations of the EAC (Non-Coal Mining) MoEF & CC in its meetings</td> <td data-bbox="887 1576 1481 2007">From the past production details, it has been observed that the Limestone production in the year 1993-94 (base year) is 23,317 MT/Annum and in the year 1994-95 is 69,193 MT/Annum. Further, as per EIA Notification, 1994, all major minerals having lease area. Minutes of 33rd EAC Meeting held during June 21st-22nd, 2018 Page 55 of 156 more than 5 Ha requires prior Environmental Clearance. In the instant case, the leased area of 22.28 Ha has been executed on 20.9.1977 which means mine is</td> </tr> </table>	Application for EC was submitted to EAC (Non- Coal Mining) MoEF& CC	18.10.2016	Baseline Monitoring	December 2015- February 2016.	Public hearing conducted	22.08.2016	Appraisal by EAC (Non- Coal Mining), MoEF&CC in its meetings	The case was presented on 33 rd EAC meeting held on June 22, 2018.	Final observations/recommendations of the EAC (Non-Coal Mining) MoEF & CC in its meetings	From the past production details, it has been observed that the Limestone production in the year 1993-94 (base year) is 23,317 MT/Annum and in the year 1994-95 is 69,193 MT/Annum. Further, as per EIA Notification, 1994, all major minerals having lease area. Minutes of 33 rd EAC Meeting held during June 21 st -22 nd , 2018 Page 55 of 156 more than 5 Ha requires prior Environmental Clearance. In the instant case, the leased area of 22.28 Ha has been executed on 20.9.1977 which means mine is
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	underoperations since 1977. The mine operations since 1994 till 14.3.2007 (date on which approx. 12 Ha of the mining lease area has been surrendered and reduced the mine lease to 4.4 Ha) were carried out without prior Environmental Clearance both under EIA Notifications, 1994 and 2006 which amounts to the violation as per the Judgement dated 2.8.2017 by Hon'ble Supreme Court. Further, the production has increased from the base year 1993-94 in the subsequent years. Further, from 14.3.2007 onwards, PP may not require Environmental Clearance till 15.1.2016 as the lease area is below 5Ha. Further, PP has stopped the mine operations since 15.1.2016. Proponent had already applied for grant of ToR in the violation sector vide online application no. IA/HP/MIN/74387/2018 dated 13.4.2018.
Action taken by the State Government/SEIAA	The mine site of M/s A Dean & Co. for an area measuring 53-03 Bighas (4.4 ha.) is situated in Mauja Shamah Pamta & Chitali, Tehsil Paonta Sahib, District: Sirmour, H.P. and has been not in operation w.e.f 14 January 2016.
Complaint case filed by the State Government/State Pollution Control Board	--
Further consideration of the proposal by the EAC and recommendations	Not applicable
Final recommendations of EAC	Not applicable
Legal Interventions, if any	--

5. Application (Form-1 & PFR)

Fresh application was made online vide proposal no. IA/HP/MIN/74387/2018 dated 13.04.2018 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 1 (a) of EIA Notification, 2006 and is a category 'B' appraised at EAC (MoEF&CC) because of Inter-state boundary International boundary at 3.45 (km) distance from the project]

6. Details of Minerals:

Number of minerals. Whether mineral is major or minor. Status of same mineral before 2006 (major or minor): Limestone (Major Mineral). The limestone was under major mineral before 2006.

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

Letter from the Commissioner Industries, Himachal Pradesh vide order no. Udyog-bhu (Khani-4) Major-6/97-1 2538 dated 9-06-2015 and the lease deed was executed for 50 years w.e.f 20.09.1977 and is valid till 19.09.2027

8. Method of Mining & Mining Plan Details:

- The Mining Plan was approved by IBM/DMG vide LR No. 614 (2)/MP-B-228/05/DDN dated 22.04.2016. As per which the method of mining shall be opencast and mechanized.
- The mining will be opencast semi mechanized and limestone shall be exploited adoption of drilling and blasting. Jack hammer drilling and blasting with conventional explosive shall be carried out to dislodge the rock mass. Blasting will be done by using class-2 explosives, detonated by ordinary detonators and safety fuse as well as by electric detonators. No ground water intersection will take place during mining activity. Bench height and width will be kept 6 m respectively with face slope of 70°.
- No top soil will be generated by the mining activity and the interburden generated will be used for maintenance of PWD roads, approach road, making parapet walls and rehabilitation of benches.
- Details of crushers /screen/beneficiation plant if any with capacity and numbers, water requirement for the project, plantation details, green belt details.

No crushers plant.

Water requirement: ~ 6 KLD (2.8 KLD domestic and 3.0 KLD dust suppression)

Plantation details: 0.25 Ha. over the period of 5 year over 7.5 m strip (250 saplings)

Other: 0.25 Ha.

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

S. No.	Head	At present (Ha.)	At the end of modified plan period (ha)	At the end of conceptual period (ha.)
a)	Total area excavated (broken)	2.329	2.886	3.484
b)	Area fully mined out	Nil	1.00	3.484
c)	Area fully rehabilitated by pisciculture	Nil	Nil	Nil
d)	Area rehabilitated by afforestation.	Nil	0.126	2.00

9. Other Waste Generation, if any:

26042 cum of waste will be generated at the end of plan period. The waste to be generated shall be used for maintenance of PWD roads, approach road and making parapet walls and rehabilitation of benches.

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

The project site is waste land. No forest/agriculture land is involved in the mining activity.

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

Past Production reference to DMG letter no 264 dated 29.05.2018 and letter no. 992 dated 16.09.2017 is as follow:

S.No	Year	Production (in MT)
1.	1991-92	35857.374
2.	1992-93	25025.250
3	1993-94	23317.900
4	1994-95	69193.308
5	1995-96	100826.100
6	1996-97	146334.400
7	1997-98	156775.400
8	1998-99	47820.808
9	1999-2000	125118.10
10	2000-01	34352.900
11	2001-02	11887.300
12	2002-03	Nil
13	2003-04	Nil
14	2004-05	Nil
15	2005-06	11301.700
16	2006-07	80274.800
17	2007-08	69294.200
18	2008-09	73718.100
19	2009-10	97950.900
20	2010-11	79926.900
21	2011-12	109310.800
22	2012-13	82940.400
23	2013-14	66554.200
24	2014-15	75852.800
25	2015-16	88198.600

12. Applicability of General Condition & Status of SEIAA:

General Condition is applicable to the project as the border of Uttarakhand is within 5 km (3.45 km, E) from the project site.

14. Project Cost & Employment:

Project Cost: 60 Lakh.

	<p>Employment: 59 persons.</p> <p>EMP cost: 9.0 Lakh and recurring of 6.0 Lakh.</p> <p>CER activity: 5 Lakh (Maintenance of water supply schemes as well as natural drinking, Supplying raw materials for construction of community centre in the Pamta village.</p> <p>Budget for conservation plan for leopard: 8 Lakh/annum</p> <p>15. Affidavit for SC Order 2.08.2017:</p> <p>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.</p> <p>16. Status of DSR, in case of minor mineral</p> <p>Not Applicable (as it is a major mineral Project)</p>
14.3.7.3	<p>Observations and recommendations of committee:</p> <p>After detailed presentation by the consultant, the EAC noted the following:</p> <ol style="list-style-type: none"> 1. As per Project proponent mine lease area is a waste land, however DSS showed project site is falling in the Forest land bearing Compartment No. C-3, Beat: Sataun under Renuka Ji Forest Division. 2. Mine lease document submitted is not valid as three-month window given by the mine department for getting statutory clearance is already lapsed. <p>After due deliberation the Committee deferred the proposal for want of following information:</p> <ol style="list-style-type: none"> (i) Certificate from the State Forest Department that no forest land was involved in the mine lease area. (ii) Valid mine lease document is to be submitted. (iii) As per the KML file lease area is not continuous and distributed at four different paces. PP is therefore required to submit exact distance between the mines.
14.3.8	<p>Bauxite Mining project (M.L. Area 254.51 ha) of M/s Prakash Anandrao Gaikwad for production enhancement from 60000 TPA to 120000 TPA, located at Village Udagiri, Shahuwadi, District Kolhapur, Maharashtra - Terms of Reference</p> <p>[IA/MH/MIN/74496/2018 dated 13.04.2018] [F. No. 23-265/2018-IA.III (V)]</p>
14.3.8.1	<p>M/s Prakash Anandrao Gaikwad has made online application vide proposal no. IA/MH/MIN/74496/2018 dated 13.04.2018 seeking Term of References for the above mentioned proposed project. The proposed project activity is covered under 'A' category of item 1(a) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level.</p>
14.3.8.3	<p>Observations and recommendations of committee:</p> <p>EAC deferred the proposal as PP did not attend the meeting, however, KML/SHAPE file submitted along with Form 1 and analysing the same on the DSS, the instant mine lease was found adjacent to Tiger reserve and lease area is falling within 1 km of the Sanctuary.</p> <p>EAC advised the Ministry to obtain the comments from National Tiger conservation authority for the applicability of Hon'ble Supreme Court in its interim order dated 04.08.2006 in IA</p>

	1000 WP 202 of 1995 (T.N. Godavaram Vs Union of India) had directed inter alia, that no mining activity should be granted within the safety zone of 1 Km.
14.3.9	Construction of Hotel JSR Continental at NH-72 near Rispana Bridge, Haridwar Road, District Dehradun (Uttarakhand) by M/s Jaswant Singh Rawat - Reconsideration for Terms of Reference [IA/UK/NCP/67003/2017 dated 21.08.2017] [F. No. 23-98/2018-IA.III (V)]
14.3.9.1	M/s Jaswant Singh Rawathas made online application vide proposal no. IA/UK/NCP/67003/2017 dated 21.08.2017 seeking Term of References for the above mentioned proposed project. The proposed project activity is covered under 'B' category of item 1(a) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level as general condition applies.
14.3.9.2	<p>Details of the project as per the submission of project proponent:</p> <p>1. Project description</p> <p>The Hotel JSR Continental located at Khasra No 199/1 MIN, 199/2 MIN, 175 MIN, 199 MIN, 199/3 MIN, 1371 MIN, MIN New No Mauza Ajabpur Kalan Pargana Kendriya Doon near Rispana Bridge, Haridwar Road, Dehradun.</p> <p>2. Salient features of the project</p> <p>Total Plot area of the project is 3172.33 sqm and Total Builtup Area is 6343.33 sqm.</p> <p>Total water requirement of the project is 23 KLD, which is being met by Piped Water supply of Nagar Nigam, Dehradun.</p> <p>Total waste water generation is 19 KLD from Kitchen, Laundry & etc. Sewage Treatment Plant of 40 KLD has installed for the treatment of waste water.</p> <p>Total Solid waste generation is estimated 70 kg per day, which is being segregated and stored three separate bins namely bio-degradable, non-biodegradable and domestic hazardous wastes in suitable bins and handover segregated wastes to concerned department of Nagar Nigam, Dehradun.</p> <p>Total manpower requirement for the project is about 40 persons during operation of the hotel.</p> <p>Total Power requirement for the project is 500 KVA, which is being met by Power connection of Uttarakhand Power Corporation Limited. Two no. of silent type DG sets with combine capacity of 525 KVA (275 KVA + 250 KVA) are installed for backup power requirement.</p> <p>Total cost of the project is 1100 Lacs.</p> <p>3. Project/activity covered under item of Schedule to the EIA Notification, 2006: - The project site comes under Doon Valley area notified by MoEF&CC vides Notification No. S.O. 102(E) 1st February, 1989. As per the notification, "the orange category projects shall be assessed by the State Pollution Control Board and referred to the Union Department of Environment for consideration, before according No Objection Certificate".</p> <p>4. Why appraisal/ approval is required at the Central level: No SEIAA exist in Uttarakhand since last three years.</p> <p>5. National park/ Wild life Sanctuary in 10 km radius area: Raja Ji National Park 6.1 from the project site.</p> <p>6. Eco-Sensitive Zone 10 km radius area: Nil</p> <p>7. Details of forest land involved, if any: No</p>

	<p>8. ToR details:</p> <p>9. Details of Public hearing and main issues raised/response of the PP: - Not applicable</p> <p>10. If any court case pending for violation of the environmental laws (supported by an undertaking): Nil</p> <p>11. Land use planning: Commercial</p> <p>12. Ground water withdrawal approval form CGWA: Nil</p> <p>13. For other sources, firm commitment of the water supply agency: Nagar Nigam Dehradun</p> <p>14. Undertaking to the effect that no activity has since been taken up: Nil</p> <p>15. Appraisal by state Coastal Zone Management Authority (SCZMA): Nil</p> <p>16. Details of earlier EC, if any and compliance there of: Nil</p> <p>17. Details of earlier appraisal by EAC/ SEAC; observation and compliance: - Nil</p>
<p>14.3.9.3</p>	<p>Observations and recommendations of in 10th EAC meeting:</p> <p>The EAC in its 10th meeting of violation cases, 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 the following:</p> <p>(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 or occupancy certificate to be issued till the project is granted EC.</p> <p>(ii) Grant of Terms of Reference for undertaking EIA and preparation of Environment Management Plan (EMP) as enumerated in Annexure.</p> <p>(iii) 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.</p> <p>(iv) Certificate from Chief Wild life warden with respect to distance from the proposed project site from the Rajaji National park.</p>
<p>14.3.9.4</p>	<p>The EAC in its present meeting noted that proposal for construction of Hotel JSR Continental at NH 72 at district Dehradun by M/s Jaswant Singh Rawat was considered in 10th EAC meeting (Violation). Though the project area was less than 20,000 Ha, EAC in its 10th meeting recommended for Grant of Terms of Reference under the provision of notification dated 14.03.2017 as the project site comes under Doon Valley area notified by MoEF&CC vides Notification No. S.O. 102(E) 1st February, 1989.</p> <p>While processing the recommendations of EAC (Violation) by the Infra II sector of IA division, it was reported that no Environmental Clearance is not required as such projects neither fall in orange category and nor covered in schedule as per the EIA Notification, 2006.</p> <p>Proposal was again referred to the EAC (Violation) for review on the comments of Infra-II Sector. After observation, the Committee recommended the following:</p> <ul style="list-style-type: none"> • As per the Doon Valley notification (1989) said project falls under the Orange

	<p>category at item no. 1(B) and said activity shall be assessed by the SPCB and referred to the Union department of Environment for consideration before according No objection certificate.</p> <ul style="list-style-type: none"> • Environmental Clearance is therefore not required and being an existing activity, the project proponent should take necessary consents and authorizations under the Water and Air, Act and Environment Protection Act, 1986 as applicable.
<p>Day 2: Tuesday, 23rd October, 2018,</p> <p>Time: 10:00 AM to 10:30 AM</p> <p>Discussion on draft minutes of Day 1 proposals</p>	
14.4.1	<p>Expansion of Jagannath Opencast Coal Mining project from 6.0 MTPA to 7.5 MTPA with increase in mine lease area from 430.736 ha to 553.946 ha of M/s Mahanadi Coalfields Limited, located in District Angul, Odisha- Terms of Reference [Proposal No. IA/OR/CMIN/57703/2016] [F. No. J-11015/177/2015-IA.II(M)]</p>
14.4.1.1	<p>M/s Mahanadi Coalfields Limited has made online application vide proposal no. IA/OR/CMIN/57703/2016 seeking Term of References for the above mentioned proposed project. The proposed project activity is covered under 'A' category of item 1(a) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level.</p>
14.4.1.2	<p>Details of the project as per the submission of project proponent:</p> <ol style="list-style-type: none"> 1. Details of Project Proponent and Consultant:- Jagannath OCP Expansion (7.5 Mty) Project Proponent : Shri S. K. Sahoo Project Officer,Jagannath Open Cast (Expn.), Project,AT P.O. – Balanda, Dist.: Angul, Odisha- 759116 Consultant : CMPDI (Certificate of accreditation vide No. NABET/EIA/1720/ RA 0092 valid till 01.10.2020) 2. Details of Project- <ol style="list-style-type: none"> a) Name of Mineral: Coal b) Capacity : 7.5 Mty c) Project Area : 553.946 Ha (ML Area). d) Village, Tehsil, District etc. : Villages(s): Balanda ,Purunia , Nakshetrapur , Chandpur , Padmabatipur&Rakas. Tehsil : Talcher, District : Angul, State : Odisha 3. Category of the project: A 4. Whether project attracts the General Condition specified in the Schedule of EIA Notification: No 5. Details of river/water body: <ol style="list-style-type: none"> 1. Bangarujhor is about 100 m (North) 2. Brahmaniriver is about 7.5 km (East). 3. Nandirajhor is about 6.0 km (South). 4. Singharajhor is about 6.5 km (North-West). 6. Details of forest issues: - Total Forest Land – 82.736 ha, Forest clearance for 58.096 ha & 24.64 ha have been obtained vide letter dt: 9th Nov,2005 and 7th Feb,2014 respectively. 7. Details of Consent to Operate: <ol style="list-style-type: none"> (i) Whether Consent to operate obtained (Yes/No): Yes (ii) Date of issue: 26.03.2016

(iii) Valid up to : 31.03.2021

8. **Mine Capacity in ROM (Run of Mine):** 7.5 MTPA

9. **Whether the proposal is mining of Minor minerals project:** No

10. **Whether the proposal is mining of Major minerals project :** Yes

11. **No. of Mineral to be Mined with name:** 1(one), Coal

12. **Details of mine lease:** - Land acquired under Coal Bearing Areas (Acquisition and Development) Act, 1957 & The Land Acquisition Act, 1984

13. **Details of past production of mine since its inception duly in tabular form:**

Year	Actual Production (MT)	Year	Actual Production (MT)
1970-71	0.00	1994-95	5.51
1971-72	0.03	1995-96	5.53
1972-73	0.06	1996-97	5.60
1973-74	0.15	1997-98	5.49
1974-75	0.21	1998-99	5.40
1975-76	0.40	1999-2000	5.02
1976-77	0.39	2000-01	5.43
1977-78	0.42	2001-02	5.69
1978-79	0.62	2002-03	5.20
1979-80	0.58	2003-04	4.34
1980-81	0.89	2004-05	3.57
1981-82	0.87	2005-06	4.45
1982-83	1.17	2006-07	5.57
1983-84	1.75	2007-08	5.31
1984-85	2.21	2008-09	5.42
1985-86	2.33	2009-10	5.70
1986-87	2.02	2010-11	6.33
1987-88	2.20	2011-12	6.00
1988-89	2.50	2012-13	6.00
1989-90	3.21	2013-14	6.00
1990-91	4.30	2014-15	2.65
1991-92	5.18	2015-16	4.36
1992-93	5.50	2016-17	3.34
1993-94	5.15	2017-18	3.61

14. **Details of Violation (Brief description of the project activity that leads to violation of EIA Notification, 2006):** During the year 2010-11, the coal production was 6.33 Mt against sanctioned EC capacity 6.0 Mt.

15. **The chronology of events for seeking EC,**

(i) Date of application for TOR/EC submitted to MoEF&CC/SEIAA: - i) TOR : 26.07.2016/ 30.06.2017 EC : 04.04.2018

(ii) Date of appraisal of EAC/SEAC meetings so far: - TOR : 24.08.2016,

	<p>25.07.2017, 27.10.2017 (amendment) EC : 18.05.2018, 24.07.2018</p> <ul style="list-style-type: none"> (iii) Observations/recommendations of the EAC/SEAC in each meeting: - EC granted till 31.03.2019. Further the Committee desired that the Ministry may take necessary action on non-compliance of the EC conditions, especially excess coal production during the period 2010-11. The proposal shall be separately considered by the EAC (Violation). (iv) Details of action taken by the State Government/SEIAA u/s 5/u/s 19 of the EP Act, 1986 for the alleged violation of the EIA Notification, 2006: No action taken. (v) Complaint case filed by the State Government/State Pollution Control Board: - No, however, a demand notice received from Dy Director Mines, Talcher Circle, as per Judgment dated 2.8.2017 of Hon'ble Supreme Court. (vi) Further consideration of the proposal by the EAC/SEAC, in case action was taken as mentioned in point (iv) and (v) above. If yes, furnish details: Not Applicable (vii) Final recommendations of MOEF&CC/SEIAA in reference to point (vi) above - EC has been granted vide no. J-11015/177/2005-IA.II(M) dated 06.09.2018 till 31-03-2019. (viii) Legal interventions, if any: Demand notice raised by Dy. Director of Mines, Talcher Circle, Dist. Angul vide no.438 dt:07.03.2018. This has been stayed by Revisional Authority, Ministry of Coal, Gol. <p>Now, the proposal has been submitted to the ministry for consideration in pursuance of the Ministry's Notification dated 14.03.2017 due to violation of the EIA notification, 2006.</p>
<p>14.4.1.3</p>	<p>Observations and recommendations of committee:</p> <p>After detailed presentation by the consultant, the EAC noted that the M/s MCL has initially got Environmental clearance for 6.0 Mty capacity vide MoEF letter no.J/11015/177/2005-IA-II (M) on 29th September 2005. PP then applied for expansion in capacity from 6.0 Mty to 7.5 Mty and ML area from 430.736 Ha to 553.946 Ha. Environmental Clearance for expansion proposal was obtained by PP vide MoEF letter no. J-11015/177/2005-IA-II(M) on 6th September 2018. Further, EC granted by Coal mining sector vide dated 6th September 2018 for expansion project is valid till 31.03.2019 only. Also EAC (Coal mining sector) desired that the Ministry may take necessary action on non-compliance of the EC conditions, especially excess coal production during the period 2010-11.</p> <p>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 Terms of Reference for undertaking EIA and preparation of Environmental Management Plan (EMP):</p> <ul style="list-style-type: none"> (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.

	<p>(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.</p> <p>(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.</p> <p>(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.</p> <p>(vi) The PP is required to conduct public hearing as per EIA notification, 2006.</p> <p>(vii) Existing base line data collected during the period 03.11.2017 to 02.02.2018 may be used for preparation of EIA/EMP report.</p> <p>(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.</p> <p>(ix) Certified compliance report of earlier EC conditions from concerned regional office, MoEF&CC.</p> <p>(x) 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.</p> <p>(xi) In case of violation of above undertaking, the ToR/Environmental Clearance shall be liable to be terminated forthwith.</p>
14.4.2	<p>Bhurkunda OCP (1.75 MTY) of M/s Central Coalfields Limited located at District Ramgarh, Jharkhand - Terms of Reference [IA/JH/CMIN/74128/2018 dated 13.04.2018] [F. No. 23-266/2018-IA.III (V)]</p>
14.4.2.1	<p>M/s Central Coalfields Limited has made online application vide proposal no. IA/JH/CMIN/74128/2018 dated 13.04.2018 seeking Term of References for the above mentioned proposed project. The proposed project activity is covered under 'A' category of item 1(a) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level.</p>
14.4.2.2	<p>Details of the project as per the submission of project proponent:</p> <ol style="list-style-type: none"> 1. Details of Project Proponent: Mr. G.C Saha Project Officer Bhurkunda, Colliery Barka Sayal Area 2. Details of Project:

	<p>a) Name of Mineral: Coal b) Project Area: 910.16 Ha c) Village, Mandal, district: Village- Bhurkunda Block: Patratu District: Ramgarh</p> <p>3. Category of the project: A</p> <p>4. Whether project attracts the General Condition specified in the Schedule of EIA Notification: No</p> <p>5. Details of river/water body- Name of the river/water body /Distance from the project Direction: The Balkudra project falls in the watershed of Naikarinadi, which flows towards north-east of the project. The distance of the quarry from Naikarinadi is at least 100 m in the north of the project. Naikarinadi meets master drainage Damodar river in the north-east of the project. Kursenala, which is the tributary of Naikarinadi flows through the leasehold around 60 m from the proposed quarry and meets Naikarinadi in the north. The easterly flowing Damodar River is the major drainage and perennial source of water for the area.</p> <p>6. Details of forest issues: Total forest land: 625.47 Ha (including 401.75 Ha GMK-JJ) Status: Application under process</p> <p>7. Details of Consent to Operate, whether Consent to operate obtained (Yes/No): Yes,</p> <p>8. Mine Capacity in ROM (Run of Mine) Bhurkunda Colliery: 2.05 MTPA (OC Working: 1.75 MTPA, UG Working: 0.30 MTPA)</p> <p>9. Whether the proposal is mining of Minor minerals project: No</p> <p>10. Whether the proposal is mining of Major minerals project: Yes</p> <p>11. No. of Mineral to be Mined with name: 1 Coal</p> <p>12. Details of mine lease: (i) Date of entering into original lease deed: Acquisition under LA act 1894 vide gazette notification published in Bihar and Orissa gazette dated 22.09.1924 issued by the governor of Bihar and Orissa and by heads of department vide no. 8990 –IL-48- r- declaration under section 6 of 1894 and section 8(1) of act xviii. The land transferred to CIL after nationalization.</p> <p>13. Details of Violation: It is operating since 1924. It has no previous EC</p> <p>14. The chronology of events for seeking EC (i) Date of application for TOR/EC submitted to MoEF&CC/SEIAA: No (ii) Date of appraisal of EAC/SEAC meetings so far: Nil (iii) Observations/recommendations of the EAC/SEAC in each meeting: Nil (iv) Details of action taken by the State Government/SEIAA u/s 5/u/s 19 of the EP Act, 1986 for the alleged violation of the EIA Notification, 2006: Nil (v) Complaint case filed by the State Government/State Pollution Control Board: Nil (vi) Further consideration of the proposal by the EAC/SEAC, in case action was taken as mentioned in point (iv) and (v) above. If yes, furnish details: Nil (vii) Final recommendations of MOEF&CC/SEIAA in reference to point (vi) above Nil (viii) Legal interventions, if any: Nil</p>
14.4.2.3	<p>Observations and recommendations of committee:</p> <p>Technical presentation was made by the project proponent and EAC noted that present proposal of Bhurkunda, Colliery of total capacity is 2.05 MTPA (Open cast mining- 1.75</p>

	<p>MTPA & Underground mining 0.30 MTPA), however in the Agenda it is mentioned 1.75 MTPA (OC) and same may be corrected as 2.05 MTPA (OC + UG).</p> <p>After detailed presentation by the PP, EAC noted that PP has crossed the base year production of 0.65 MTPA without taking prior EC, hence a violation of EIA notification. The EAC deferred the proposal because of following short fall while appraising the project:</p> <ol style="list-style-type: none"> I. As per the Form 1, no forest land is involved whereas from the annexures submitted by the PP, it manifested that Forest land of 625.47 ha is involved. Kml file submitted by the PP with the Form 1 was also studied on DSS, according to which proposed Mine project involves Reserved Forest Land and project site is falling under Ramgarh Forest Division. <p>Committee noted the same and asked PP to submit the copy of application for stage I Forest clearance and declaration about mining lease is not required for this project.</p> <ol style="list-style-type: none"> II. On account of habitations existing in mining lease area, ecological sensitive areas such as Naikari river, Damodar river around the mines, the Committee recommended site visit for assessment of environmental impacts of the above project.
14.4.3	<p>Kargali OCP (0.75 MTY) of M/s Central Coalfields Limited located in District Bokaro, Jharkhand - Terms of Reference</p> <p>[IA/JH/CMIN/74430/2018 dated 13.04.2018] [F. No. 23-267/2018-IA.III (V)]</p>
14.4.3.1	<p>M/s Central Coalfields Limited has made online application vide proposal no. IA/JH/CMIN/74430/2018 dated 13.04.2018 seeking Term of References for the above mentioned proposed project. The proposed project activity is covered under 'A' category of item 1(a) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level.</p>
14.4.3.2	<p>Details of the project as per the submission of project proponent:</p> <ol style="list-style-type: none"> 1. Details of Project Proponent: Mr. Raj Muni Ram, Project Officer, Kargali OCP, B&K Area, Central Coalfields Limited 2. Details of Project: <ol style="list-style-type: none"> a) Name of Mineral: Coal b) Project Area: 198.91 Ha c) Village, Mandal, district: Village: Kargali Block: Bermo District: Bokaro, Jharkhand. 3. Category of the project: A 4. Whether project attracts the General Condition specified in the Schedule of EIA Notification: No 5. Details of river/water body- Name of the river/water body /Distance from the project Direction: River Damodar falls within the buffer zone of Project area. The drainage is controlled by easterly flowing Damodar river in the south of project. 6. Details of forest issues: No 7. Mine Capacity in ROM (Run of Mine) 0.75 MTY 8. Whether the proposal is mining of Minor minerals project: No 9. Whether the proposal is mining of Major minerals project: Yes 10. No. of Mineral to be Mined with name: 1 Coal

	<p>11. Details of mine lease: Acquired by Railways under LA Act vide letter no. 10367R dated 30.11.1916 and transferred to NCDC in 1957. Further land transferred from NCDC to Coal India in 1972 after nationalization.</p> <p>12. Details of Violation</p> <p>Kargali OCP is operating since 1974. Kargali OCP has no previous EC. The project has exceeded its capacity beyond 1993-94 production in subsequent years.</p> <p>13. The chronology of events for seeking EC</p> <ul style="list-style-type: none"> (i) Date of application for TOR/EC submitted to MoEF&CC/SEIAA: Form I uploaded on 13/04/2018 under MoEF&CC Notification No. S.O.804(E) dated 14.03.2017 and subsequent notifications (ii) Date of appraisal of EAC/SEAC meetings so far: Nil (iii) Observations/recommendations of the EAC/SEAC in each meeting: Nil (iv) Details of action taken by the State Government/SEIAA u/s 5/u/s 19 of the EP Act, 1986 for the alleged violation of the EIA Notification, 2006: Nil (v) Complaint case filed by the State Government/State Pollution Control Board: Nil (vi) Further consideration of the proposal by the EAC/SEAC, in case action was taken as mentioned in point (iv) and (v) above. If yes, furnish details: Nil
<p>14.4.3.3</p>	<p>Observations and recommendations of committee:</p> <p>Technical presentation was made by the project proponent and EAC noted that Kargali OCP is operating since 1974. Kargali OCP has no previous EC. The project has exceeded its capacity beyond 1993-94 production in subsequent years, hence a case violation of EIA notification. The EAC deferred the proposal because of following short fall while appraising the project:</p> <ul style="list-style-type: none"> I. As per the Form 1, no forest land is involved whereas KML file submitted by the PP with the Form 1, studied on DSS software by the Ministry, illustrates that mine project involves Protected Forest Land and project site is partly falling under Bokaro Forest. <p>Committee noted the same and asked PP to submit the letter from District Forest officer that no forest land is involved in the entire mine lease area of 198.91 Ha and also and declaration about mining lease is not required for this project.</p> <ul style="list-style-type: none"> II. EAC also noted that Fly ash dumping in the mine lease area from the nearby Thermal power plant. Also, Damodar river is flowing close to the mines. <p>On view of above observations, site visit to Bhurkunda OCP and Kargali OCP is recommended to have appreciation of environmental setting of these mines as well as potential cumulative impacts that these mines can cause during operation on the environmental setting in cumulative Karo OCP mine which is 5km distance from Kargali OCP and Dohri group mine which is 12 km from Karo OCP.</p> <p>Total cumulative impact and its management of through EMP ecological restoration after damage assessment of these two mines i.e. Karo OCP and Dohri group mine will become part of ToR of Bhurkunda OCP and Kargali OCP. EAC recommended sub committee of EAC will visit above four projects for on site assessment.</p>

14.4.4	Giridih-Kabribad Group of Mines (1.3 MTY) of M/s Central Coalfields Limited located in District Giridih, Jharkhand - Terms of Reference [IA/JH/CMIN/74445/2018 dated 13.04.2018] [F. No. 23-268/2018-IA.III (V)]
14.4.4.1	M/s Central Coalfields Limited has made online application vide proposal no. IA/JH/CMIN/74445/2018 dated 13.04.2018 seeking Term of References for the above mentioned proposed project. The proposed project activity is covered under 'A' category of item 1(a) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level.
14.4.4.2	<p>Details of the project as per the submission of project proponent:</p> <p>1. Details of Project Proponent: Mr. L K Mahapatra Project Officer Giridih-Kabribad Group of Mines Giridih Area</p> <p>2. Details of Project:</p> <p>a) Name of Mineral : - Coal</p> <p>b) Project Area : - 213.54 Ha</p> <p>c) Village, Mandal, district: - (Kabribad OCP is 90.84 Ha, Giridih OCP is 122.70 Ha) Village- Kabribad, Giridih District: Bokaro</p> <p>3. Category of the project: A</p> <p>4. Whether project attracts the General Condition specified in the Schedule of EIA Notification: No</p> <p>5. Details of river/water body- Name of the river/water body /Distance from the project Direction: In Giridih OCP, the Khakho river which originates in the nearby hills flows south of the hill along the boundary. It merges in the Barakar river. In Kabribad OCP, the general flow of the streams is towards south. Most of the streams meet the Barakar river about 10 Kms southwest of Giridih. The small non-perennial nallahs in the area drain off water into Kamaljhore river.</p> <p>6. Details of forest issues: No</p> <p>7. Details of Consent to Operate, whether Consent to operate obtained (Yes/No): Yes.</p> <p>8. Mine Capacity in ROM (Run of Mine) 1.3 MTY</p> <p>9. Whether the proposal is mining of Minor minerals project No</p> <p>10. Whether the proposal is mining of Major minerals project Yes</p> <p>11. No. of Mineral to be Mined with name 1 Coal</p> <p>12. Details of mine lease: Land is transferred under Nationalisation</p> <p>13. Details of Violation: It is operating since 1973. It has no previous EC.</p> <p>14. The chronology of events for seeking EC,</p> <p>(i) Date of application for TOR/EC submitted to MoEF&CC/SEIAA: Nil</p> <p>(ii) Date of appraisal of EAC/SEAC meetings so far: Nil</p> <p>(iii) Observations/recommendations of the EAC/SEAC in each meeting: Nil</p> <p>(iv) Details of action taken by the State Government/SEIAA u/s 5/u/s 19 of the EP Act, 1986 for the alleged violation of the EIA Notification, 2006: Nil</p> <p>(v) Complaint case filed by the State Government/State Pollution Control Board: Nil</p> <p>(vi) Further consideration of the proposal by the EAC/SEAC, in case action was taken as mentioned in point (iv) and (v) above. If yes, furnish details: Nil</p>

	<p>(vii) Final recommendations of MOEF&CC/SEIAA in reference to point (vi) above NA</p> <p>(viii) Legal interventions, if any: Nil</p>
14.4.4.3	<p>Observations and recommendations of committee:</p> <p>Technical presentation was made by the project proponent and informed to the EAC that proposal for Giridih-Kabribad OC Mine involves total area of 213.54 ha. After detailed presentation by PP, EAC noted that total mine area of 213.54 ha is comprises of two mines viz: 1) Kabribad OCP 90.84 Ha & 2) Giridih OCP 122.70 Ha which are almost 9-10 km apart. EAC deferred the proposal and asked the PP to submit revised Form 1 along with Pre-feasibility report and other documents separately for two mines i.e for Kabribad OCP of 90.84 ha& Giridih OCP 122.70 ha</p>
14.4.5	<p>Modernization-cum-Expansion of Sugar Unit (2500 TCD to 7500 TCD), Molasses based Distillery (20 KLPD to 100 KLPD) and installation of Cogeneration Power Unit (38 MS) at Gat No. 21/1 to 21/6, Village Kumathe, Tikekarwadi, North Solapur, District Solapur, Maharashtra by M/s Shree Siddheshwar Sahakari Karkhana Ltd. - Terms of Reference</p> <p>[F. No. J-11011/303/2013-IA.II (I)]</p>
14.4.5.1	<p>M/s Shree Siddheshwar Sahakari Karkhana Ltd has made online application vide F. No. J-11011/303/2013-IA.II (I) seeking Term of References for the above mentioned proposed project. The proposed project activity is covered under 'A' category of item 5(j), 1 (d) , 5 (g) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level.</p>
14.4.5.2	<p>Details of the project as per the submission of project proponent:</p> <p>The Project involves modernization cum expansion of sugar factory from 2500 to 7500 TCD (increase by 5000 TCD) existing 20 KLPD distillery upto 100 KLPD (existing 20 KLPD shall be totally scrapped). In addition, establishment of a new 38 MW cogeneration plant by M/s. Shree Siddheshwar Sahakari Sakhari Karkhana Ltd. (SSSSKL) in an area of 1118520 sq.m located at Gat No. 21/1 to 21/6 at Kuma the village in North Solapur taluka of the Solapur district</p> <p>The Sugar Factory & Co-gen Project/activity is covered under category B of items 5(j) & 1(d) resp. & Distilleries is covered under category A of item 5(g) of the schedule to the EIA Notification, 2006. But as Sugar Factory, Co-gen and Distillery are established in an integrated complex, the expansion project of all units would be appraised as Category 'A'. Thereunder, it is necessary to obtain 'Environmental Clearance' for expansion of Sugar Factory, Co-gen and molasses based Distillery from the MoEFCC; New Delhi'</p> <p>The 20 KLPD distillery was granted Environmental Clearance (EC) by 'Department of Environment, Govt. of Maharashtra in the year 1988. As per the prevailing acts and rules; the 2500 TCD sugar factory of SSSSKL did not require obtaining EC permission. However, Existing sugar factory have been granted Consent to Operate (CTO) for two years by MPCB in the CAC meeting held on 20.03.2018 and the application of renewal for distillery unit is submitted on 10.07.2018. Moreover, under proposed expansion The Sugar and Co—gen unit has received consent to establish vide no.BO/ CAC-CELL/ RO (Pune) /E/CAC 870 dated 28.01.2014.and distillery with the consent to establish no. BO/CAC-CELL/ EIC NO.PN-20140-13/E/CAC-E/1607 dated 21.05.2014 from the State Pollution Control Board.</p> <p>The chronology of events for seeking EC, deliberations by the respective authorities and</p>

the actions taken are reported to be as under: -

No.	Description	Dates	Remarks
1	FORM – 1 Application submitted to MoEF	27.09.2013	
2	Case considered in 14 th EAC Meeting for grant of TORs and ToRs were issued	20.12.2013 24.02.2014	
3	Summary and Draft EIA Report submitted to HQ; MPCB Mumbai for Public Hearing and PH was conducted on	23.12.2014 03.03.2015	No any adverse issues in the PH.
4	Final Online EIA report submitted on MoEFCC website	21.11.2015	
5	Case considered in 6 th EAC(Ind.-2) Meeting for grant of EC	31.03.2016	Industry was asked to furnish following information (1) Commitment to scrap existing 20 KLPD distillery, (2) Traffic management plan to cater to increase in traffic subsequent to expansion, & (3) ESR plan as per local needs with financial & physical breakup.
6	Details desired in 6th EAC submitted to MoEFCC	27.05.2016	
7	Case Reconsidered in 11th EAC (Ind.-2) Meeting	20.07.2016	1. Mainly Discussions took place on Traffic Management Plan submitted by Industry. <i>Figures of existing and proposed traffic densities shown through statistical data in tables and on Satellite Image of command area</i> 2. <i>Industry Stated that - There will be about 30-35 vehicles per hour (1-2 vehicle per 3 minutes) attributable to the Industry. (In MoM it is mentioned as – The PP informed that total movement of Trucks & Bullock cart will be 866 numbers per day)</i>

				<p>3. Industry Stated that - Existing Road infrastructure in Solapur City is undergoing up-gradation by incorporation of "<u>Ring Road</u>" and "<u>Link Road</u>", 'Four Laning' (widening) to prominent roads in the city and command area being done.</p> <p>4. Industry Stated that - <u>Due to ongoing improvements in existing road network by State & Central Governments, the eventual traffic densities would be reduced considerably (up to 40%) from the existing ones. Hence no traffic congestion shall occur.</u></p> <p>5. On this, the Members asked for more details about –</p> <ol style="list-style-type: none"> Traffic densities and management plan w.r.t. "Ring Road" & "Link Road" The EAC members assumed that the Industry is located in heart of the city and as such traffic congestion was inevitable. (In MoM it is mentioned as – <i>The committee noted that this figure is very high and going to create traffic congestion within the city as plant exists within municipal limit surrounded by dense population</i>) City map with marking of Ring Road & Link Road, authenticated documents about Road Projects, reduced traffic densities after new roads. <p>The industry at once agreed to submit all the desired details shortly.</p>
8	The minutes of 11 th EAC meeting flashed	23.08.2016	EC has been denied to Expansion Project stating that traffic management plan was inadequate.	
9	Follow up taken by the industry for reconsideration of	October 2016 to	<ul style="list-style-type: none"> Letter to Member Secretary; MoEF&CC, for reconsideration of EC denial decision 26.10.2016 	

	EC denial decision	November 2017	<ul style="list-style-type: none"> Personal Visits to MoEF&CC; New Delhi – Nov.2016 – Nov.2017 A Letter (A Reminder) to The Member Secretary; EAC (Ind.-2), MoEF&CC -8.11.2017
10	A letter from S. K. Srivastava; Scientist E, MoEF&CC bearing No. J-11011/303/2013-IA II (I) dated 09.03.2018 addressed to Additional PCCF(C); MoEF & CC Regional Office (WCZ); Nagpur (MS)	09.03.2018	After a period of 17 Months (1Yr.-5 Months); the Ministry took up the matter in Siddheshwar EC denial case. The Regional Office of MoEF&CC in Nagpur was requested to make a Site Visit and submit a Report on feasibility of the proposed expansion in respect of traffic, truck movement, population density, environmental factors etc.
11	Letter was submitted by the industry to MoEF&CC, w.r.t commencement of project implementation in absence of EC	22.06.2018	Explanation towards commencement of the project in absence of Environmental clearance
12	Visit was done by Scientist D, Regional Officer, MoEF&CC and report was submitted	09.07.2018	It is concluded from the report that the industry is located on outer limits of Municipal boundary of Solapur and no any vehicle related to the industrial activities are entering Solapur city.
13.	Appearance before 14th EAC Meeting (Violation case)	23.10.2018	-
14.4.5.3	Observations and recommendations of committee:		
	<p>Project proponent has made the detailed presentation on the proposal and explained to the EAC that project involves modernization cum expansion of sugar factory from 2500 to 7500 TCD (increase by 5000 TCD) existing 20 KLPD Distillery upto 100 KLPD (existing 20 KLPD shall be totally scrapped). In addition, establishment of a new 38 MW cogeneration plant. The Sugar Factory & Co-gen Project/activity is covered under category B of items 5(j) & 1(d) resp. & Distilleries covered under category A of item 5(g) of the schedule to the EIA Notification, 2006. But as Sugar Factory, Co-gen and Distillery are established in an integrated complex, the expansion project of all units would be appraised as <i>Category 'A'</i>.</p>		

EAC has taken a cognizance of Regional office, Nagpur, MoEF&CC site visit report, according to which PP has commenced the project in absence of Environmental clearance, hence violation of EIA notification.

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 and preparation of Environment 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 or occupancy certificate 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) Fresh one season Base line data is to be collected.
- (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 20 EIA/EMP report.
- (ix) No objection certificate from Civil Aviation Ministry to install stack at the project site.
- (x) Revised water balance statement to be submitted
- (xi) Transport impact assessment study to be carried out by reputed Government agencies/institute with respect to present status and after expansion of the project and report to be submitted.

	<p>(xii) ZLD to be installed for the entire integrated project (sugar + distillery).</p> <p>(xiii) Commitment to scrap existing 20 KLD plant.</p> <p>(xiv) Traffic management plan with pollution control measures.</p> <p>(xv) Allotment letter from concerned authority for use of water from Hotigi lake</p>								
14.4.6	<p>Waste Raw-Material utilization Plant – 500 TPD (Hot Briquette),Blast Furnaces (3X40M3) - 99000 MTPA,L.D Converter (Steel Making Division) & Billet caster for Making steel - 95000 MTPA, Power Plant (Gas Recovery Type) at B-6 to 10, 5th Phase, Industrial Area, Gamharia Jamshedpur by M/s Anjaneya Ispat Limited - Terms of Reference</p> <p>[IA/JH/IND/74436/2018 dated 13.04.2018] [F. No. 23-269/2018-IA.III (V)]</p>								
14.4.6.1	<p>M/s Anjaneya Ispat Limited has made online application vide F. No. J-IA/JH/IND/74436/2018 dated 13.04.2018 seeking Term of References for the above mentioned proposed project. The proposed project activity is covered under 3(a) (Metallurgical Industries) schedule of EIA Notification, 2006 and falls under Category “A” and the proposal was appraised at Central level.</p>								
14.4.6.2	<p>Details of the project as per the submission of project proponent:</p> <p>Blast Furnaces (3x40 m3) – 99000 TPA, L.D Converter – 99000 TPA, Billet caster – 95000 TPA billets, Power Plant (Gas Based) – 1.5 MW and Briquette Plant (1,50,000 TPA) at B-6 to B-10, 5th Phase, Adityapur Industrial Area, Gamharia, District- Seraikela-Kharsawan, Jamshedpur</p> <p>M/s Anjaneya Ispat Ltd. situated at B-6 to B-10, 5th Phase, Adityapur Industrial Area, Gamharia, District- Seraikela-Kharsawan, Jamshedpur and installed 1x17 MT mini-blast furnace during 1999 to 2002, this was operational till December 2012, however did not attract environmental clearance as per EIA notification 1994 (since project cost was less than Rs. 100 crores).</p> <p>The project proponent expanded the project from 2006 to 2013 by upgradation of existing mini blast furnace with 3x40 m3 furnaces, 1x8 T LD converter, 2x4/7 m billet caster, 500 TPD briquette plant and 1.5 MW gas based power plant. This was a violation of EIA notification 2006 since the project was expanded without obtaining prior environmental clearance.</p> <p>The project is listed at activity 3(a) Metallurgical Industries under Schedule of EIA Notification, 2006 and falls under Category “A”.</p> <p>Detailed project chronology is given in the table below:</p> <table border="1"> <thead> <tr> <th>#</th> <th>Chronology</th> <th>Date</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>NOC from Bihar State Pollution Control Board vide letter no. 75979 for setting up of Mini Blast Furnace for 17MT/day hot metal / pig iron</td> <td>14.12.1999</td> <td>No violation</td> </tr> </tbody> </table>	#	Chronology	Date	Remarks	1	NOC from Bihar State Pollution Control Board vide letter no. 75979 for setting up of Mini Blast Furnace for 17MT/day hot metal / pig iron	14.12.1999	No violation
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1	NOC from Bihar State Pollution Control Board vide letter no. 75979 for setting up of Mini Blast Furnace for 17MT/day hot metal / pig iron	14.12.1999	No violation						

	2	The CTO was obtained vide letter No. JA/2543/A/C-263 for a period of 29/01/2002 to 31/12/2003	31.01.2004	Not covered under EIA notification 1994 since project cost was Rs. 5.00 crore (<Rs. 100 crore)										
	3	Mini Blast Furnace for 17MT/day of hot metal / pig iron installed and operated till December 2012	Operated from 2002 till December 2012 post which it was upgraded to 40 m3	This portion was in operation till December 2012										
	4	Application submitted to JSPCB for Grant of NOC for expansion as per following configuration:	04.10.2006	Violation of EIA notification 2006 as plant was installed from October 2006 till December 2013 without obtaining prior environmental clearance. However, expanded plant has not been brought into operation										
		<table border="1"> <thead> <tr> <th>Unit</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Mini Blast Furnace (MBF)</td> <td>3 x 40 m3 (Including upgradation of 1x17 T existing furnace)</td> </tr> <tr> <td>LD Convertor Billet Caster</td> <td>1 x 8 Ton 2x4/7 m</td> </tr> <tr> <td>Hot Briquette Plant</td> <td>1 x 500 TPD</td> </tr> <tr> <td>Power Plant (Gas Recovery Type)</td> <td>1.5 MW</td> </tr> </tbody> </table>			Unit	Size	Mini Blast Furnace (MBF)	3 x 40 m3 (Including upgradation of 1x17 T existing furnace)	LD Convertor Billet Caster	1 x 8 Ton 2x4/7 m	Hot Briquette Plant	1 x 500 TPD	Power Plant (Gas Recovery Type)	1.5 MW
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5	Show Cause Notices issued by JSPCB w.r.t shortcomings in application.	12.03.2009 28.05.2009 12.01.2013 06.03.2013 22.03.2013	JSPCB vide show cause notice of 6.3.2013 asked PP to obtain environmental clearance											
6	Application submitted to JSPCB for grant of CTO	13.01.2014 29.09.2016	CTO application rejected by JSPCB vide letter dated 9.6.2017											

7	Application submitted for ToR (Violation) vide proposal No. - IA/JH/IND/74436/2018 for the following configuration:	13.04.2018																								
	<table border="1"> <thead> <tr> <th data-bbox="419 392 491 582">#</th> <th data-bbox="499 392 675 582">Plant / Facilities</th> <th data-bbox="683 392 818 582">Capacity</th> <th data-bbox="826 392 954 582">Total Annual Capacity (TPA)</th> </tr> </thead> <tbody> <tr> <td data-bbox="419 593 491 694">1</td> <td data-bbox="499 593 675 694">Mini Blast Furnace</td> <td data-bbox="683 593 818 694">3x40 m3</td> <td data-bbox="826 593 954 694">99000</td> </tr> <tr> <td data-bbox="419 705 491 929" rowspan="2">2</td> <td data-bbox="499 705 675 806">LD Converter</td> <td data-bbox="683 705 818 806">1 x 8 T</td> <td data-bbox="826 705 954 806">99000</td> </tr> <tr> <td data-bbox="499 817 675 929">Billet Caster</td> <td data-bbox="683 817 818 929">2x4/7 m</td> <td data-bbox="826 817 954 929">95000</td> </tr> <tr> <td data-bbox="419 940 491 1041">3</td> <td data-bbox="499 940 675 1041">Briquette Plant</td> <td data-bbox="683 940 818 1041">1 x 500 TPD</td> <td data-bbox="826 940 954 1041">150000</td> </tr> <tr> <td data-bbox="419 1052 491 1198">4</td> <td data-bbox="499 1052 675 1198">Power Plant (Gas Based)</td> <td data-bbox="683 1052 818 1198">1.5 MW</td> <td data-bbox="826 1052 954 1198">1.5 MW</td> </tr> </tbody> </table>	#	Plant / Facilities	Capacity	Total Annual Capacity (TPA)	1	Mini Blast Furnace	3x40 m3	99000	2	LD Converter	1 x 8 T	99000	Billet Caster	2x4/7 m	95000	3	Briquette Plant	1 x 500 TPD	150000	4	Power Plant (Gas Based)	1.5 MW	1.5 MW		
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4	Power Plant (Gas Based)	1.5 MW	1.5 MW																							

14.4.6.3 Observations and recommendations of committee:

Project proponent made a detailed presentation and explained to the EAC that present proposal is for installation of Blast Furnaces (3x40 m3) – 99000 TPA, L.D Converter – 99000 TPA, Billet caster – 95000 TPA billets, Power Plant (Gas Based) – 1.5 MW and Briquette Plant (1,50,000 TPA) at B-6 to B-10, 5th Phase, Adityapur Industrial Area, Gamharia, District- Seraikela-Kharsawan, Jamshedpur.

EAC after detailed presentation noted that PP has initially installed Mini Blast Furnace for 17MT/day hot metal / pig iron in the year 1999 after NOC from Bihar State Pollution Control Board. Since project cost was Rs. 5.00 crore (<Rs. 100 crore) it did not require EC under EIA notification 1994. Mini Blast Furnace for 17MT/day of hot metal / pig iron installed was operated till December 2012, after that it was upgraded. The project proponent expanded the project from 2006 to 2013 by upgradation of existing mini blast furnace with 3x40 m3 furnaces (including 17MT/day), 1x8 T LD converter, 2x4/7 m billet caster, 500 TPD briquette plant and 1.5 MW gas based power plant without obtaining prior environmental clearance, hence violation of EIA notification 2006.

EAC also noted that PP in Form 1 has mentioned capacity of Billetcaster for Making steel as 99000 TPA, however as per PP submission it is 95000 TPA. Accordingly, correction is made in the project title.

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

	<p>EIA Notification, 2006 and recommended for issuing Standard Term of Reference along with the following specific Term of Reference for undertaking EIA and preparation of Environment Management Plan (EMP): -</p> <ul style="list-style-type: none"> (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 or occupancy certificate 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 in dependent chapter in the EIA report by the accredited consultants. (vi) The PP is required to conduct public hearing as per EIA notification, 2006. (vii) Fresh one season base line data is to be collected. (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 20 EIA/EMP report. (ix) Submission of the map duly authenticated by Chief Wild life Warden along with recommendation or comments of the Chief Wildlife Warden as the project site is 7.5 km from Dalmia wild life sanctuary
<p>14.4.7</p>	<p>Modernization of Sugar Milling Unit of 5000 TCD located at Sayan, Taluka Olpad, District Surat, Gujarat by M/s Shree Sayan Vibhag Sahakari Khand Udyog Mandli Ltd. - Terms of Reference</p> <p>[IA/GJ/IND2/74463/2018 dated 13.04.2018] [F. No. 23-270/2018-IA.III (V)]</p>
<p>14.4.7.1</p>	<p>PP did not attend the meeting and has requested to transfer the proposal to the state for appraisal. EAC observed that PP has mentioned category of the proposal as "A" in Form 1</p>

	and therefore was accepted by the Ministry. However as per PP request, proposal may be transferred to the state as it is of B category.
14.4.8	Proposal for construction of 2 additional tanks for storage of 2 x 2,614 KL MS (HT type) at IOCL Bharatpur Bulk POL Depot, Village Dhormui, Tehsil Sewar, District Bharatpur, Rajasthan by M/s Indian Oil Corporation Limited Terms of Reference [IA/RJ/IND2/74470/2018 dated 13.04.2018] [F. No. 23-271/2018-IA.III (V)]
14.4.8.3	<p>PP did not attend the meeting and has requested to transfer the proposal to the state for appraisal.</p> <p>EAC observed that PP has mentioned applicability of general condition as “Yes” in Form1 because of Inter-State boundaries and international boundaries and covered under 6 (b) of the schedule of EIA notification, 2006. PP now informed that project site is more than 5 km from the Inter-State boundaries and international boundaries.</p> <p>EAC as per the PP request agreed to transfer the proposal to the state as it is of B category.</p>
Day 3:	Wednesday, 24th October, 2018, Time: 10:00 AM to 10:30 AM Discussion on draft minutes of Day 2 proposals.
14.5.1	Bhadwasi Gypsum Mine (M.L. Area 1122.38 ha, ML No. 2/94) for production of Gypsum 3 MTPA, located near Village Bhadwasi, Makodi, Bhadana, Pilanwasi, Manzwas & Ganthilsar, Tehsil & District Nagaur, Rajasthan by M/s Rajasthan State Mines & Minerals Limited - Terms of Reference [IA/RJ/MIN/74343/2018 dated 13.04.2018] [F. No. 23-272/2018-IA.III (V)]
14.5.1.1	M/s Rajasthan State Mines & Minerals Limited has made online application vide proposal no. IA/RJ/MIN/74343/2018 dated 13.04.2018 seeking Term of References for the above mentioned proposed project. The proposed project activity is covered under ‘A’ category of item 1(a) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level.
14.5.1.2	<p>Details of the project as per the submission of project proponent:</p> <p>1. Project description The Proposal of M/s Rajasthan State Mines & Minerals Ltd is for Mining of Gypsum from –Bhadwasi Gypsum Mine for Total Excavation 3Million Tonne per annum (MTPA). During plan period about 34434585 m³Waste rock, 47229879m³O.B, 12795294 m³Inter Burden &12795294 m³Top Soil will be generated from mining lease area (1122.38 Ha) located at village Bhadwasi, Makori, Bhadana, Pilanwasi, Manzwas & Ganthilsar, Taluka/Mandal- Nagaur , District Nagaur ,State- Rajasthan by M/s Rajasthan State Mines & Minerals Ltd.</p> <p>2. Project Background The proposal of M/s Rajasthan State Mines & Minerals Ltd. is for the proposed production of 3 Million Tonne per annum (MTPA) of Gypsum from -Bhadwasi Gypsum Mine - (ML Area 1122.38 Ha, located at Survey No.45 E/11, 45 E/12, 45 E/15 & 45 E/16, at Villages Bhadwasi, Makori, Bhadana, Pilanwasi, Manzwas & Ganthilsar, Tehsil Nagaur, District Nagaur, State Rajasthan. The mining lease is located on Survey of India Topo-sheet no. 45 E/11, 45 E/12, 45 E/15 & 45 E/16. The area is bounded between the coordinates Latitude 27^o17’41.22” to 27^o21’18.93”and Longitude73^o38’48.79” to 73^o48’11.53”.</p> <p>3. Category of the Project (Refer cluster certificate if applicable)</p>

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

4. Violation Details & Sectorial EAC/SEAC Comments:

The EAC Committee noted that it is a violation case as the PP started production of gypsum from 2001 to June 2005 without obtaining requisite prior Environment Clearance as per MoEF&CC Notification 1994. It has been viewed as violations as the mining operation has been done without obtaining requisite prior environmental clearance and conveyed vide letter dated 13.02.2014. The mine operations have been suspended since 2005. Ministry has taken action as per the OM dated 12/12/2012 & 27/06/2013. Further vide letter dated 16/12/2014, the PP has submitted an affidavit for compliance & commitment that there will be no violation in future under Section 15 of the Environment (Protection) Act, 1986. The RO, Kishangarh has filed court case in the court at Nagaur against RSMML and matter is still under Sub-Judice. The Court case No is 104/15.

The chronology of events for seeking EC, deliberations by the respective authorities and the actions taken are reported to be as under: -

Application for EC was submitted to EAC-MOEF&CC in New Delhi	Dates
	20 th June, 2013 for TOR
<i>Appraisal by EAC in its meetings (Attach minutes of the meetings)</i>	TOR proposal was considered in 10 th meeting of EAC, 21 st -23 rd August, 2013 for prescribing ToR.
<i>Final observations / recommendations of the EAC to the MOEF&CC</i>	<ul style="list-style-type: none"> • The EAC Committee noted that it is a violation case as the PP started production of gypsum from 2001 to June 2005 without obtaining requisite prior Environment Clearance as per MoEF&CC Notification 1994. • The committee decided that the Ministry may take the matter in accordance with the procedure and policy decision taken in such matter. • MOEF&CC has taken action as per the OM dated 12/12/2012 & 27/06/2013. Further vide letter dated 16/12/2014.
<i>Action taken by the State Government/SEIAA</i>	MOEF&CC letter No. J-11 015/192/2013-IA.II (M) dated 13 th February, 2014 directed to Member Secretary, Rajasthan State Pollution Control Board to initiate action under the Environment Protection Act, 1986. The Rajasthan State Pollution Control Board vide its letter issued direction to M/s RSMML under section 5 of the EP Act 1986 to stop the mining work till EC is obtained from the competent authority.
<i>Complaint case filed by the State Government/State Pollution Control Board</i>	It has been viewed as violations as the mining operation has been done without obtaining requisite prior environmental clearance and conveyed vide letter dated 13.02.2014. The mine operations have been suspended since 2005. Ministry has taken action as per the OM dated 12/12/2012 & 27/06/2013. Further vide letter dated 16/12/2014, the PP has submitted an affidavit for compliance & commitment that there will be

	no violation in future under Section 15 of the Environment (Protection) Act, 1986. The RO, Kishangarh has filed court case in the court at Nagaur against RSMML and matter is still under Sub-Judice. The Court case No is 104/15.
<i>Further consideration of the proposal by the EAC and recommendations</i>	Final EIA/EMP report has been submitted to MoEF&CC and project considered in 36 th EAC Meeting held during July 29 th -30 th 2015, EAC committee noted some deficiency in project and project has deferred.
<i>Final recommendations of EAC</i>	<ul style="list-style-type: none"> • As per decision of EAC, MoEF&CC Public hearing has been rescheduled on 30th March, 2016, at 11.00 A.M at Tehsil Bhawan Nagaur, Rajasthan. • Project considered in 11th EAC Meeting held during October 24th -25th 2016, where the committee again noted some deficiency in project and sought some information.
<i>Legal interventions, if any</i>	The Court case No is 104/15. still pending for disposal.

Now the proposal has been submitted to the Ministry for consideration in pursuance of the Ministry's Notification dated 14th March, 2017 due to violation of the EIA Notification, 2006.

5. Application (Form-1 & PFR)

Fresh application was made online vide proposal no. **IA/RJ/MIN/74343/2018** dated 13/04/2018 (F.No.23-272/2018-IA.III (V)) 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) (i) 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): **Only one Minor Gypsum Mineral is present in the M.L area.**
Note :- In 2006 gypsum was major mineral.

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

- Originally the mining lease was granted in year 1938 for an area 1990.76 ha in favor of ACC (P) Ltd. It was periodically renewed by Department of Mines & Geology, Government of Rajasthan.
- This mining lease was renewed vide order No-I-15(8) Khan/G-1/95 dated 24/07/1999 for an area of 1990.76 ha in favor of ACC Ltd for a period of 20 years, effective from 01/08/1995 to 31/07/2015.
- This mining lease was transferred to Rajasthan State Mineral Development Corporation Limited from ACC Ltd. vide order no.san-4-15(B) khan/group-1/95 dated 24/7/99 and corrigendum 606 dated 10.10.2001.
- Mining lease transfer was executed and registered on 27/7/2000 in the name of RSMDC.
- The RSMDC Ltd applied for part surrender of ML area on 10.04.2002.
- Government of Rajasthan accepted part surrender of 868.38 Ha out of total lease area 1990.76 ha. Vide order no. SME/Bikaner/P/Nagaur/ML-2/94/02 dated 21.12.2002 and retained an area of 1122.38 ha.
- Further, DMG has extended validity of Mining Lease period up to 31.3.2020 and RSMML has requested to the Mines Department, GoR, Jaipur to further extend the validity of mining lease up to 31.7.2048.

8. Method of Mining & Mining Plan Details:

Mining plan with Progressive mine closure plan has been approved by DMG, GoR, vide their letter No. 2943 dated 12.6.2013.

- It is a deep-seated gypsum deposit of 10 to 20 m thickness at depth of 40-50 meter.
- Total Mineable reserves (111) in ML = 82.246 million tonnes
- Total reserves in A & B Block:- 122.99 million tonnes
- Initially mining will be done in Block B and subsequently after 28 years in Block-A. where most of the house are situated.
- Life of the mine:- 30 Year

Method of Open cast mining: - Proposed method of working will be open cast fully mechanized mining.

- The overall ore body is tabular in shape extending horizontally in all directions.
- The mining will be started by developing sub block B-1 which will be advanced in all directions for complete exploitation of mineral and converted into a single major pit.
- The benches in sub block will be developed from outer periphery to inner periphery up to mineral depth in a circular form.
- The initial excavation of OB will be from outwards to inward development benches. Initial two years the O.B & top soil will be stacked separately on the earmarked area on surface.
- Once a final depth of mineralization is reached in centre, the production of mineral will be started from centre of the mineralized body and advancement in all directions from Centre, with simultaneous advancement of benches outwards in OB Up to conceptual pit limit.
- After two years the OB so generated from benches will be backfilled in the voids developed by production of mineral and continued up to the conceptual pit limit.
- After extraction of Gypsum the back filling will be started from third year.
- All the Benches will be connected with one-way ramps.
- The mine will be developed in phase manner, in the first phase the mining will be commenced in B-Block and later on in Block-A after complete exhaustion of mineral gypsum in Block "B".
- No underground mining has been proposed.

Presently it is decided to develop mining in block B, looking the status of land in the area and extension of deep seated ore body in the block B and A. According to the occurrence of mineral and topography of the land, it is proposed to develop sub block B-1 in form of a single pit. Initially the pit will be developed by removing overburden layers till the surface of deep seated mineral body is reached. This advancement in the development stage will be done from outer periphery to inner periphery, towards the center of the pit by forming benches in the overburden layers, extending vertically down towards the mineralized body, in east west direction by forming benches of 10m height and width of 25m, and keeping overall pit slopes of 36°-38°. The benches are proposed to be connected by road and ramps of 1 in 16 gradients. Separate one-way ramps are proposed for exit and entry to the pit for reducing the collision of traffic due to movement of machines and dumpers.

Pit Design Parameters

Height of benches	10 m
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Width of benches	20-25 m
Pit slope	20° to 25°
Overall pit slope at ultimate pit limit	36-38°

Drilling & Blasting: - The only blasting will be required in hard compact layers of sandstone encountered. Drilling & blasting will be performed as per requirement.

Method of Mining: - This mine is being worked out by open cast fully mechanized method. The mining will be done in soft layers of overburden i.e. sand/ alluvium, clays and material can easily be excavated by excavator "or" using Rock breaker. The only blasting will be required in hard compact layers of sandstone encountered. Drilling and blasting will be performed as per requirement.

Parameters- Bench height - 10 mtrs
 Bench width - 25 mtrs
 Pit slope - 20°-25°
 Overall ultimate pit slope - 36°-38°.

- OB will be excavated with excavator- dumper combination & Mineral will be exploited by surface miner-dumper combination.
- The mining is proposed below water table. Simultaneous backfilling is proposed.
- The ultimate depth will be 167 mRL upto mine life & end of lease period. Ground water will be encountered at 30-31 mts depth. Dewatering of pits proposed.
- Mineral will be scrapped in lumps size by surface miner and will be transported by dumpers.
- The stripping ratio of mineral to overburden will be 1: 3.48 for life of the mine. (M.T./CBM)

Land Reclamation: -Reclamation of mined out area of pit is suggested by backfilling the entire conceptual pit limit in 5th year mine plan in phases during entire life of mine. Backfilled pits will be reclaimed and rehabilitated by plantation of fruits, medicinal & local varieties plants like Ker Sangri etc. Around 683.32 ha. land will be degraded during entire life of the mine, out of which, nearly 433.02 ha. land will be reclaimed and rehabilitated by plantation and around 156.51 ha. land will be kept for making water reservoir of 10 -70 meter depth near temple.

Total requirement of water 148 KLD

- Drinking & miscellaneous 3 KLD (will be brought from nearby potable water source)
- Dust suppression on haul roads 100 KLD (arranged from existing tube well/mine water)
- Plantation & other purposes 20 KLD (arranged from existing tube well/mine water)
- Washing & maintenance of Machines 25 KLD (arranged from existing tube well/mine water)

Around 343 KLD of underground water will be discharged, which will be utilized for irrigation purpose. The rainwater accumulated in pit shall be pumped out and supplied to nearby villages after proper treatment. The ground water intercepted during mining operations will be pumped out from the pit and stored into storage tank first because it has high TDS. After proper treatment it will be used for dust suppression, washing, cleaning of mine machineries & plantation requisite. The drinking water will be brought from either nearby village tube wells or PHED /canal water supply.

CGWA grant us permission for abstraction of 343m³/day saline ground water through dewatering the mine seepage on account of mining intersecting the water table for Bhadwasi Gypsum Project vide NOC No CGWA/NOC/MIN/ORIG/2017/2425 dated 22ndFeb, 2017.

Plantation: - 76900 plants will be planted in 51.63 hectares of area during the life of the mine & survival rate of expected 60-70%.

Species to be planted:

Local species:- Khejri (*Prosopis juliflora*), Peepal (*Ficus religiosa*), Neem (*Azadirachta indica*), Babool (*Acacia arabica*), seres.

Fruits plants:-ker , sangri, guvava, varieties of berries

Grass for dump stabilization:- Local Grasses, Fodder Grass (*Eleusine indica*) Barru Grass (*Sorghum halepense*)

Flowering Plants:-Bogan bell, Gulmohar, Kaner, Raliya.

9. Other Waste Generation, if any: NIL

10. Land Use (Forest/Agricultural/Waste): Not applicable

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

Past production details

S.no	Year	Production in MT
1	1993-94	3711.54
2	1994-2001	Nil
3	2001-02	7848.31
4	2002-03	41834.20
5	2003-04	27740.70
6	2004-05	3434.40

12. Applicability of General Condition & Status of SEIAA:

Revised wild life conservation plan was forwarded by DFO, Nagaur to The Chief Wildlife Warden, Additional Chief Conservator, Wildlife, Aranya Bhawan, Jhalana Institutional Area, Jaipur. We have visited, Jaipur twice on 22ndDec, 2017 and 25th January, 2018 regarding approval of Wild Life Conservation plan and it is under process, will be approved shortly.

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

14. Project Cost & Employment:

Total Project Cost: Rs. 44 Crores

S.N	Activity	Amount in crores
1	Acquisition of land for mining 160 Ha@700000/per ha	11.12
2	Purchase of mining machines required for operations	28.04
3	Road , ramp, retaining wall, and other works	1.00
4	Plantations	0.50
5	infrastructure for RSMM ltd	1.50
6	Raw water treatment Plant	0.50
7	Socio economic/ welfare expenses	0.50
8	Environmental monitoring & protection measures	0.50

9	R&R Plan expenditure	0.50
10	Miscellaneous expenditures	0.34
	Total	44.00

COST OF ENVIRONMENTAL PROTECTION MEASURES

S. No.		Capital cost		Annual recurring cost	
		Existing	Proposed	Existing	Proposed
1	Pollution Control (Separately provide break-up)				
a	Protective works for waste dump management including construction of retaining wall/ water drains, terraces & maintenance of check dams etc.	NIL	14.42	NIL	3.0
2	Pollution Monitoring (Separately provide break-up)				
a	Staff Salaries	NIL	-----	NIL	60.00
b	Environment monitoring studies	NIL	10.00	NIL	12.00
3	Occupational Health		-----	NIL	-
4	Green Belt		21.00		10.00
a	Mine	NIL	10.0	NIL	12.00
b	Township	NIL	NIL	NIL	-
5	Reclamation / Rehabilitation of mined out area	NIL	Since It will be a part of mining cost so no additional cost required	NIL	Since It will be a part of mining cost so no additional cost required
6	Others (specify)			NIL	
a	Awareness, training programme, celebration of safety & environment week.	NIL	30.00	NIL	10.00
b	Fauna management	NIL	9.0	NIL	10.00
c	Protective Equipment's	NIL	10.00	NIL	5.00
Total			104.42		122.00

BUDGET FOR FUTURE VILLAGE DEVELOPMENT PROGRAMME

Details	I st year	II nd year	III rd year	IV th year	V th year	Total (Rs)
Maintenance of road	4.00	4.00	4.00	3.00	3.00	18.00
Donation for temple / school, Provision of water tanks	4.00	4.00	4.00	5.00	3.00	20.00

Toilets in schools	1.00	2.00	2.00	3.00	2.00	10.00
Sport in village / schools	1.00	1.00	1.00	1.00	1.00	5.00
Training & Awareness programmes for better farming practices	1.00	1.00	1.00	1.00	1.00	5.00
Plantation Programmes	6.00	6.00	6.00	6.00	6.00	30.00
Total	17.00	18.00	18.00	19.00	16.00	88.00

The community development programmes for the future period will depend on profitability and also requirement of the local population

14.5.1.3

Observations and recommendations of committee:

The EAC Committee after detailed presentation by PP, noted that it is a violation case as the PP has started production of gypsum from 2001 to June 2005 without obtaining requisite prior Environment Clearance as per MoEF&CC Notification 1994. It has been viewed as violations as the mining operation has been done without obtaining requisite prior environmental clearance and conveyed vide letter dated 13.02.2014. The mine operations have been suspended since 2005. Ministry has taken action as per the OM dated 12/12/2012 & 27/06/2013. Further vide letter dated 16/12/2014, the PP has submitted an affidavit for compliance & commitment that there will be no violation in future under Section 15 of the Environment (Protection) Act, 1986.

Committee also noted that present application under violation is for four mining leases. Committee deferred the proposal for want of following information to be submitted:

1. EAC suggested to withdraw application from Non Coal Mining sector.
2. Submission of separate application & revised Form1 for each mine leases in the block.

14.5.2

Enhancement of production capacity of Limestone (Minor Mineral) from 14,600 TPA to 15,00,000 TPA (ROM) (M.L. Area 100 Ha, ML No. 122/91) by M/s Nitesh Minerals Pvt. Ltd., located at Village Hariyadhana, Tehsil Bilara, District Jodhpur, Rajasthan - Terms of Reference

[IA/RJ/MIN/74479/2018 dated 13.04.2018] [F. No. 23-273/2018-IA.III (V)]

14.5.2.1

M/s Nitesh Minerals Pvt. Ltd. has made online application vide proposal no. **IA/RJ/MIN/74479/2018 dated 13.04.2018** seeking Term of References for the above mentioned proposed project. The proposed project activity is covered under 'B' category of item 1(a) of the Schedule to the EIA Notification, 2006.

14.5.2.2

Details of the project as per the submission of project proponent:

1. Project description

The Proposal of M/s. Nitesh Minerals Pvt Ltd. is for Mining of Limestone mineral from Nitesh Minerals Pvt Ltd. Mine for Total Excavation of 15,00,000 Tonne per annum (TPA) (including 15,00,000 TPA of Limestone burning) from mining lease area of 100.00 Ha located at Village- Hariyadhana, Tehsil- Bilara, District- Jodhpur, State- Rajasthan by M/s. Nitesh Minerals Pvt. Ltd.

2. Project Background

The Proposal of M/s. Nitesh Minerals Pvt Ltd. is for production of 15,00,000 Tonnes Per Annum of Limestone from Nitesh Minerals Pvt. Ltd. Mine (ML Area 100.00 Ha, located at

Village-Hariyadhana, Tehsil-Bilara, District-Jodhpur, State-Rajasthan. The mining lease is located on survey of India Topo-sheet no. 45F/15. The area is bounded between the coordinates Latitude 26026'3.3"N to 26026'41.7"N and Longitude 73047'36" to 73048'20.0"E.

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

The said project/activity is covered under category 'B' of item 1(a) of the Schedule to the EIA Notification, 2006 as amended (notification dated 14.08.2018), 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 States/UTs.

4. Violation Details & Sectorial EAC/SEAC Comments:

Provide complete detail about violation, comments/recommendation of sectorial EAC or SEAC before submitting the application on violation portal:

Type of violation- Enhanced production without obtaining EC

Details of violation- Production exceeded after EIA Notification, 2006 without obtaining EC

- The project was applied for Enhancement of Production Capacity of Limestone (Minor Mineral) from 14,600 TPA to 15,00,000 TPA by M/s. Nitesh Minerals Pvt. Ltd. which was appraised before EAC dated 25th May, 2012.
- During examination it was noted that this was a violation case as the production had been enhanced in 2009-10 after EIA Notification, 2006 without obtaining EC.
- MoEF vide its letter dated 30.10.2012 & 07.07.2014 issued directions to RSPCB to take action against the unit under section 19 of EP Act, 1986.
- RSPCB issued closure directions vide its letter no. F.12(JD-333)/RPCB/Mines/Jodhpur/ 390 dated 22.09.2014. However, no legal action has been initiated in the matter.
- Further, the case was presented before MoEF in 18th EAC (Non-coal mining) Meeting vide agenda no. 2.9 dated 29th-30th May, 2017 regarding justification for non-violation of EP Act 1986 and the project was again recommended for Environmental Clearance vide MoEF Minutes of Meeting.
- Now as per provisions of Gazette Notification of MoEF dated 14.03.2017 stating the Supreme Court's order & its amendment dated 08.03.2018 for violation cases, we are applying for rectification of violation and obtaining EC for the enhanced capacity.

5. Application (Form-1 & PFR)

Fresh application was made online vide proposal no. IA/RJ/MIN/74479/2018 dated 13.04.2018 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 1(a) of EIA Notification, 2006 and is a category 'B' as per Gazette Notification of MoEF, New Delhi dated 14.08.2018.

In case of minor minerals if any, please furnish cluster details: Not applicable

6. Details of Minerals

Number of Minerals: There is only one mineral, Limestone.

Whether mineral is major or minor: Minor Mineral

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

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

State Govt. has granted the mining lease over an area of 100.00 ha for mineral Limestone (minor mineral) in favour of Shri Surendra Singh S/o Shri Kalyan Singh R/o Jodhpur vide

Directorate of Mines order no. DMG/P-2(A)(51/JODH/Agr./80/1609 Date 21.11.80 for 10 years from date of Registration of lease which is 17.11.81. First renewal was sanctioned by State Govt. vide letter no. DMG/P-2(A-2)/JODH/Minor/91/390 dated 16.03.1992 for further 10 year w.e.f. 17.11.1991. The period of first renewal was extended further for 10 & Geology. So the lease period was now 20 years from 17.11.1991.

On the request of original lessee Shri Surendra Singh this lease was transferred in favor of M/s. Nitesh Mineral Pvt. Ltd. by ADM Jodhpur vide order no. ADM/JO/CC /JO/Minor/ML/122/91/2596 dated 24.08.2007.

As per order no. 1417 dated 10.12.2012 as per RMMCR 1986, the lease period was extended for further 10 years i.e. 30 years from 17.11.1991. Further, as per sub rule 3 of Rule 9 of RMMCR, 2017 issued on 01.03.2017, lease validity has been extended upto 50 years from date of execution thus the lease period is from 17.11.81 to 16.11.2031.

8. Method of Mining & Mining Plan Details:

The Mining Plan was approved by DMG vide LR No. SME/JO/CC/Jodhpur/Minor/M.L./122/1991/9110 dated 23.10.2015.

As per which the method of mining shall be opencast/underground/mechanized etc.- Opencast mechanized mining method is used in approved Mining Plan.

- **Please provide the details of:**

- (a) Drilling & blasting: Drilling and blasting will be done. Deep hole and subgrade drilling by 115mm diameter wagon drill are proposed. Holes in rows at 4.5m spacing & 4.0m burden will be drilled at 150 inclination from vertical.
- (b) Bench height and width: Bench height will be 4-7 m in mineral and 2 m in top soil and width will be more than the height.
- (c) Ultimate pit limited: Ultimate pit limit is 15 m bgl.
- (d) Ultimate pit slope: Ultimate pit slope is 450.
- (e) Intersection of Ground Water table if any: The Working will not intersect ground water table as water table is in the range of 80-90 m in core and buffer zone Pre-monsoon and Post-monsoon.
- (f) Number of top soil dumps with area and capacity: None
- (g) No. of Waste/reject dump with area and capacity during the plan period and at the conceptual stage, backfilling plan if any: During Plan Period: 1 dump over area of 4.36 Ha of 1565906 m³ will be there at the end of five years of plan period.
- (h) Conceptual Stage: No dump will be present at the end of life of mine.
- (i) Details of crushers/screen/beneficiation plant if any with capacity and numbers: Not applicable
- (j) Water requirement for the project: Peak water requirement is 40 KLD; Water will be sourced from nearby villages through water tankers.
- (k) Plantation and green belt details: Green Belt/plantation has been developed in 3 ha around the lease periphery. The trees are planted at suitable spacing to encourage proper growth around the lease boundary. The dead plants are replaced by fresh plants. Native Plant species are planted. At the end of mine life Backfilled area will also be covered under plantation.

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

Land use as per mining plan at the end of plan period:

S. No.	Land Use Category	Present	5 th Year	End of life of mine
1.	Top Soil Dump	-	-	-
2.	Dump of ore, waste & O.B.	2.76	5.36	-
3.	Pit & Quarries	9.48	26.825 2	-
4.	Infrastructure including of office, workshop & plants road	1.22	2.82	6.33
5.	Township Area	-	-	-
6.	Afforestation/greenbelt	-	3.0	3.6
7.	Concurrent backfilling including plantation	-	-	35.20
8.	Mineral Stack	-	-	-
9.	Processing (Crushing)	-	-	-
10.	Water reservoir	-	-	54.87
11.	Undisturbed Area	86.54	61.994 8	-
Total		100	100	100

9. Other Waste Generation, if any:

Details of any other waste generated during mining activity and its mitigation measures: The area required for dumping will be 4.36 hectare in the five year mining scheme period. The height of Dump Yard will be 8-10m from the ground level. The Overburden dump will be by Dumper on the Working & Proposed dumping site.

There is proposed one dump yard. Retaining wall will be constructed around dump yard of dimension 0.50m thick & 3.0 m height to check down the rolls from dumps.

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

Details of necessary clearance/permission in case of Forest/Agricultural/Waste land/Grazing land and water bodies involved in the ML Area: State Govt. has granted the mining lease over an area of 100.00 ha for mineral Limestone (minor mineral) vide Directorate of Mines order no. DMG/P-2(A)(51/JODH/Agr./80/1609 Date 21.11.80. The land being used for mining activities is in possession of the lessee.

In case Forest Land involved, furnish details about status of Forest Clearance: Not applicable

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

With Reference to DMG Letter no. DMG/JODH/2017/453 dated 17.1.2017 the Production figure are as follows:

S.NO	Duration	Production	S.NO	Duration	Production
1.	1986-87	93080.000	20.	2006-2007	4200.850
2.	1988-89	4706.000	21.	2007-2008	13427.950
3.	1989-90	4164.610	22.	2008-2009	11100.000
4.	1990-91	4189.910	23.	2009-2010	60284.760
5.	1991-92	3916.300	24.	2010-2011	10270.745

6.	1992-93	7131.240	25.	2011-2012	0.000
7.	1993-94	11344.610	26.	2012-2013	0.000
8.	1994-95	14605.785	27.	2013-2014	0.000
9.	1995-96	7780.275	28.	2014-2015	0.000
10.	1996-97	8438.735	29.	2015-2016	0.000
11.	1997-98	5525.840	30.	2016-2017	0.000
12.	1998-99	2801.060	31.	2017-2018	0.000
13.	1999-2000	1711.680			
14.	2000-2001	1973.250			
15.	2001-2002	3891.940			
16.	2002-2003	5656.000			
17.	2003-2004	4704.000			
18.	2004-2005	4432.900			
19.	2005-2006	2853.000			

Note:- Since 01.04.2011 mining is closed as per N.G.T. Order.

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: Not Applicable

Status of SEIAA i.e operation or tenure is over (Provide details in case proposal is of Category B only: When applied in April, 2018 it was a Category "A" project as per EIA Notification, 2006 however as per MoEF notification dated 14.08.2018 this project/activity is covered under category 'B' of item 1(a) of the Schedule. Currently, SEIAA committee has been formed but not yet operational.

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

Submit details about Aravalli/Doon Valley/ Western Ghats/Eco-sensitive area, if any: Not Applicable

14. Project cost & Employment:

(a) Details of Project cost & employment: Project cost is Rs. 10 Crores/- and total of 65 workers and 10 technical staff will be employed.

(b) Details about economic development package under different heads (example: education, skill development, health care, road network etc.):

Education and skill development-

- Distribution of free books & stationary to village students.
- Repairing work in Schools including toilets for girls in schools.

Total Expenditure: 10,00,000

Health Care-

- Contribution in medical camp (Eye Camp, Blood Donation Camp etc.)
- Distribution of free medicines

Total Expenditure: 5,00,000

(c) Budget details (both capital and recurring):

	<p>For planning of mining activities with respect to safety and environment quality sustenance- Rs. 10 Lakh Per Year</p> <p>Execution of mining activity as per mining plan- Rs. 30 Lakh per year</p> <p>Preservation of biodiversity and awareness program etc.- Rs. 1.5 Lakh Per Year</p> <p>15. Affidavit for SC Order 2.08.2017</p> <p>Submit affidavit to comply with all the statutory requirement and judgment of Hon'ble Supreme Court dated 2nd august 2017 in Writ Petition (Civil) No. 114 of 2014 in the matter of Common Cause versus Union of India and Ors: Will be submitted at the time of ToR presentation.</p> <p>16. Status of DSR, in case of minor mineral</p> <p>Submit status of DSR in case of minor mineral. If available, please submit: Will be submitted at the time of ToR presentation.</p>
14.5.2.3	<p>Observations and recommendations of committee:</p> <p>The EAC observed that present proposal of M/s Nitesh Minerals Pvt. Ltd was of category A at the time of submission of application; however after Ministry's notification dated 14.08.2018, proposal now comes under Category B. Since the project was accepted by the Ministry and therefore listed in the agenda.</p> <p>The EAC also observed that PP was unable to present the case before the members, and the consultant was not accredited to QCI/NABET.</p> <p>In view of above, appraisal process could not be started for the recommendation of ToR. EAC further recommended that since the project now is of Category B and accordingly proposal of M/s Nitesh Minerals Pvt. Ltd for ToR may be transferred to the State.</p>
14.5.3	<p>Proposed expansion of Perwa Calcite Mine (ML No. 64/2012, Area 129.50 ha) and enhancement in production from 12500 TPA to 2001870 TPA by M/s Perwa Minerals, located near Village Perwa, Tehsil Reodar, District Sirohi, Rajasthan</p> <p>[IA/RJ/MIN/74486/2018 dated 13.04.2018] [F. No. 23-274/2018-IA.III (V)]</p>
14.5.3.1	The EAC deferred the proposal as the project proponent did not attend the meeting.
14.5.4	<p>Manganese Ore Mine (M.L. Area 22.73 Ha) of M/s Aditya Minerals Pvt. Ltd., located in Sy. Nos. 43 & 44, Village Ghotkuri, Mandal Tamsi and Sy. No. 87, 89, Village Guda, Mandal Jainath, District Adilabad, Telangana - Terms of Reference</p> <p>[IA/TG/MIN/74459/2018 dated 13.04.2018] [F. No. 23-275/2018-IA.III (V)]</p>
14.5.4.1	The EAC deferred the proposal as the project proponent did not attend the meeting.
14.5.5	<p>Gandlapally Limestone Mine of M/s Seetharam Cements Limited for production of 2.25 MTPA (M.L. Area 429.07 Ha), located at Survey. No. 58 to 74, 81 to 85 & 88 to 101, Village Gandlapally, Mandal Kodangal, District Mahabubnagar, Telangana - Terms of Reference</p> <p>[IA/TG/MIN/74487/2018 dated 13.04.2018] [F. No. 23-276/2018-IA.III (V)]</p>
14.5.5.1	The EAC deferred the proposal as the project proponent did not attend the meeting.
14.5.6	<p>DabakuchiNipani Manganese Ore mine of M/s Aditya Minerals Private Limited (M.L. Area 73.94 Ha), located in Sy. No. 27, 28A, 28B, 29 & 32 of Dabakuchi Village and Sy.</p>

	<p>No. 50A, 50B, 51A, 51B & 52 to 56 of Nipani Village, Thamsi Mandal, Adilabad District, Telangana - Terms of Reference</p> <p>[IA/TG/MIN/74490/2018 dated 13.04.2018] [F. No. 23-277/2018-IA.III (V)]</p>
14.5.6.1	The EAC deferred the proposal as the project proponent did not attend the meeting.
14.5.7	<p>Expansion project "Manufacturing of Bulk Drug & Intermediates"(From 12.85 MT/Month to 34.8658 MT/Month)at Gut No. 204, Nashik-Mumbai Highway, Vadivarhe, Taluka Igatpuri, District Nashik, Maharashtra by M/s Vadivarhe Specialty Chemicals Ltd. - Terms of Reference</p> <p>[F. No. J-11011/123/2016-IA.II (I)]</p>
14.5.7.1	<p>M/s Vadivarhe Specialty Chemicals Ltd has made online application vide F. No. J-11011/123/2016-IA.II (I) seeking Term of References for the above mentioned proposed project. The proposed project activity is covered under 'A' category of item 5 (f) of the Schedule to the EIA Notification, 2006.</p>
14.5.7.2	<p>Details of the project as per the submission of project proponent:</p> <p>1. Introduction: M/s. Vadivarhe Speciality Chemicals Ltd. is situated at Gut No. 204, Nasik -Mumbai Highway, Wadivarhe, Taluka- Igatpuri. Dist- Nashik, Maharashtra. It is engaged in the manufacturing of Bulk Drug & Intermediate and proposed for expansion in product capacity. The company is a limited organization, engaged in manufacturing Bulk Drugs & Drugs Intermediates products.</p> <p>2. Cost of Project: Cost of the Existing Project is Rs. 21 Crores and expected cost of the proposed project will be around Rs. 4.65 Crores.</p> <p>3. Project Location: The proposed expansion project is located at the same place of existing Gut No. 204, Nasik – Mumbai Highway, Vadivarhe, Taluka- Igatpuri. Dist- Nashik, Maharashtra.</p> <p>4. Proposed Production Capacity: The existing production capacity is 12.85 MT/Month. The production capacity after expansion will be 34.868 MT/Month. It is proposed to manufacture 101 products of Bulk Drugs & Drugs Intermediates.</p> <p>5. Land Requirement: The expansion is within the existing premises which is sufficient toaccommodate the proposed manufacturing capacity. Hence no additional land is required to be acquired for this project. Total Plot area of the plant is 12500 m2.</p> <p>6. Water Requirement: Water requirement will be met from Mukane Dam. Total waterrequirement after expansion is proposed at 54.41 KLD [26.41 KLD (Existing) + 28 KLD (expansion)].</p> <p>7. Waste Water Generation and Management: Total Effluent generation after expansion will be 24.71 KLD [9.01 KLD (Existing) + 15.70 KLD (expansion)], which after treatment in ETP, will be recycled and reused for Equipment Washing, Floor Cleaning, Scrubber, boiler and Cooling Tower make-up. Separate STP is provided for treatment of domestic waste water the treated waste water will be used for gardening.</p> <p>8. Solid and Hazardous Waste Management: Solid Hazardous waste generated from process will be sent to CHWTSDF for Land Fill or Incineration.</p>

9. Power requirement: The Source of Electricity is from M.S.E.D.CL total power demand for the manufacturing activity is 300 KVA. One 250 KVA capacity D.G. set is used for power back-up.

10. Green Belt Development: Unit has developed a greenbelt in 3500 Sq. m within plant premises and the surrounding and will increase the green belt after expansion up to around 6000 sq. m. Which will not only improve the soil conditioning but will also prevent soil erosion and the landscape will help for conservation of Environment & give slight beneficial impact on the land usage. Suitable plant species of local varieties will be planted with adequate spacing and density for their fast growth and survival.

11. Environmental Protection Measures: Adequate control measures for air and water pollution control will be installed.

Chronology of Events

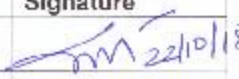





Sl No.	Particulars	Date
1	Application for First Consent to Establish to M.P.C.B.	22 December 2006
2	First Consent to Establish from M.P.C.B	5 April 2007
3	First Consent to Operate from M.P.C.B	29 April 2008
4	Renewal of Consent to Operate vide Consent No. BOISRQ. Nasik ASInIEIC.NK-9748-11/E/CC-210	25 October 2011
5	Application for Environmental Clearance vide no. VSCL/ CO/ 01/ MOEF/ GOI/11-12 with Form -1 and Prefeasibility Report.	14 November 2011
6	ToR Presentation for 105th EAC meeting held on 12 th May 2012	12 May 2012
7	Minutes of 35.3.14. Meeting about Violation	
8	Letter by Dy. Director(s) from MOEF (I.A. Division), Paryavaran Bhavan, New Delhi to the Principal Secretary, Environment Department, GoM and to Maharashtra Pollution Control Board (MPCB) regarding taking action under Sec 19 of the Environment (Protection) Act-1986 for violation - not taking the Environmental Clearance for Existing Consented Products	16 October 2012
9	Action Taken Report (ATR) as Court Case Filed by Maharashtra Pollution Control Board, vide NO. RC/158/2014	18 October 2014
10	Renewal CTO (No. Format 1.0/BO/AS (T) /TN-5504-15/R/GEN-1682	12 February 2015
11	TOR Application at MoEF& CC (Proposal No: IA/MH/IND2/52374/2016)	30 March 2016
12	ToR Presentation	27 May 2016
13	Minutes of 27/05/2016 Meeting specifying about again Violation case	25 June 2016
14	Judgment of The Honorable Court (R.C.C. No. 158/2014)	17 November 2016
15	Online Application for ToR	9 November 2016
16	Minutes of 8th meeting held	27 May 2016

	17	ToR Presentation	17 th EAC Meeting dated 26.12.2016
	18	ToR letter received (ToR letter No.: J-11011/123/2016-IA II (I))	22.03.2017
	19	Public Hearing	28.06.2017
	20	Online submission of EIA Report	29.09.2017
	21	EDS Generated	07.10.2017
	22	Uploaded Reply as per EDS Generated	13.07.2017
	23	EDS Generated	04.04.2018
	24	Uploaded Reply as per EDS Generated	09.04.2018
	25	ToR Presentation	24.10.2018
14.5.7.3	<p>Observations and recommendations of committee:</p> <p>After detailed presentation by the project proponent, EAC noted that M/s Vadivarhe Specialty Chemicals industry for its existing operation obtained CTE vide letter no.BO/RO-Nsk/PCI-I/946-07/E/CC-329 dated 05.04.2007 and CTO vide consent no. BO/RO/Nashik/PCI-I/EIC No. NK-1175-07/O/CC-105 dated 29/04/2008 which was obtained after EIA Notification, 2006. The EAC (Industry II) in its meeting dated 12.05.2012 noted that the industry for its existing operation did not obtain Environmental Clearance; therefore, it is a violation of provisions contained under Environment (Protection) Act, 1986 by not following EIA Notification, 2006. Court Case was filed by Maharashtra Pollution Control Board, vide NO. RC/158/2014 dated 16 October 2014. Judgment of the Hon'ble Court (R.C.C. No. 158/2014) came on 16.11.2016 wherein the PP was penalized.</p> <p>PP further made fresh application vide dated 9 November 2016 for ToR. ToR was awarded on 22.03.2017.</p> <p>Then EIA/EMP report was submitted to Industry II sector by the PP on 29.09.2017, which was not accepted by the Ministry on account of repeated violation as PP continued production without EC.</p> <p>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:</p> <ul style="list-style-type: none"> (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. 		

	<p>(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.</p> <p>(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.</p> <p>(vi) Public Hearing (PH) has been conducted on dated 28.06.2017 covering all the issues, Committee felt 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.</p> <p>(vii) Submission of report in tabular form regarding issues raised during public hearing and commitment made by the PP.</p> <p>(viii) One-month Baseline data to be collected for validation of earlier BLD already collected.</p> <p>(ix) 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.</p> <p>(x) Copy of agreement between Bombay waste management limited for disposal of Hazardous waste.</p>
14.5.8	<p>Proposed expansion of Caritas Hospital with the addition of a Hospital Building, Geriatric centre (Nursing Home), Doctors quarters block, Nuclear medicine block & Amenity centre as Phase I, Staff quarters & Multi Level Mechanical Car Parking System as Phase II at Village Peroor, Taluk Kottayam, District Kottayam (Kerala) by M/s Caritas Hospital - Further consideration for Terms of Reference</p> <p>[IA/KL/NCP/74112/2018 dated 10.04.2018] [F. No. 23-141/2018-IA.III (V)]</p>
14.5.8.1	<p>M/s Caritas Hospital has made online application vide proposal no. IA/KL/NCP/74112/2018 dated 10.04.2018 seeking Term of References for the above mentioned proposed project. The proposed project activity is covered under 'B' category of item 1(a) of the Schedule to the EIA Notification, 2006 and the proposal was appraised at Central level as general condition applies.</p>
14.5.8.2	<p>Project Proponent did not attend the meeting.</p>
14.5.9	<p>Any other item:</p>
14.5.9.1	<p>The Ministry has desired the committee to work out transparent and evidence based guidelines for ensuring consistency in decision making while assessing and quantifying the ecological damage and arriving at the quantum of money required for implementation of time bound remediation plan and community and natural resource augmentation plan and also the validity of bank guarantee.</p> <p>The committee discussed the above matter and prepared guidelines to be adopted by the committee while assessing and quantifying the ecological damage and appraising the</p>

	remediation plan and natural resource and community resource augmentation plan including validity of bank guarantee.
14.5.9.2	<p>EAC subcommittee visited the following projects on 24.09.2018:</p> <p>(A) Commercial complex project at Survey Nos. 424/19, 424/9, 424/10, 424/12, 13, 424/12, 424/14, 423/1, 423/4, 5, 423/4, 5, 423/3, 8, 9, Thrikkakara village, Kalamassery Municipality, Kanayanoor Taluka, District: Ernakulam (Kerala) by M/s Nippon Motor Corporation Pvt. Ltd.</p> <p>(B) Mining project (MLA 7.5490 Ha) of M/s Marthona Granites located at Survey No. 8/9, village Alakkodu, Panchayat Edavetty, Taluka-Thodupuzha, District: Idukki (Kerala)</p> <p>Site visit report is enclosed as Annexure</p>

Members of the EAC for the proposal involving violation of EIA Notification, 2006 present during 14th meeting held on 22nd - 24th October 2018 at MoEF&CC, New Delhi and approved the above minutes.

Sl. No.	Name of the EAC member	Role/Designation	Signature
1.	Dr. S.R. Wate,	Chairman	 22/10/18
2.	Dr. P.A. Joshi,	Member	
3.	Dr. G.V. Subrahmanyam	Member	 22-10-18
4.	Dr. A. L. Ramanathan	Member	
5.	Dr. M.V. Ramana Murthy,	Member	
6.	Shri K Gowarappan	Member	
7.	Dr. Dilip S. Ramteke,	Member	
8.	Dr. Poonam Kumria,	Member	
9.	Dr. Bharat Jain,	Member	
10.	Dr. Subrata Maity,	Member	
11.	Shri Raghu Kumar kodali	Member Secretary	

Site visit report and recommendation of Sub-committee of EAC(Violation) for following projects:

- (A) Commercial complex project at Survey Nos. 424/19, 424/9, 424/10, 424/12, 13, 424/12, 424/14, 423/1, 423/4, 5, 423/4, 5, 423/3, 8, 9, Thrikkakara village, Kalamassery Municipality, Kanayanoor Taluka, District: Ernakulam (Kerala) by M/s Nippon Motor Corporation Pvt. Ltd.**
- (B) Mining project (MLA 7.5490 Ha) of M/s Marthona Granites located at Survey No. 8/9, village Alakkodu, Panchayat Edavetty, Taluka-Thodupuzha, District: Idukki (Kerala)**

1.0 Back ground:

The above projects were considered 9th meeting of Expert Appraisal Committee for the proposal involving violation of EIA Notification, 2006, held on June 27-28, 2018 for the grant EC for project SI.No A as mentioned above. After detailed deliberation during the meeting, EAC decided a sub committee will visit to verify Environmental Management plan in place of waste water, solid waste management and review the ecological damage before granting EC.

In addition to above committee also decide to visit the non-coal mining projects SI.Nos B as mentioned above , where this project is under consideration for ToR/EC to ascertain the Ecological damage and other aspect as per the Ministry 's notification dated 14.03.2017 due to violation of EIA notification ,2006.

2.0 Site visit:

Sub-committee of EAC(Violation), MoEF&CC comprising of following members was constituted for the site visit. The sub-Committee visited the site from 23rd-24th September, 2018.

The names of the members of sub -Committee, proponent and EIA consultant team are given below.

Names of the MoEFCC's Expert Appraisal Sub Committee Members

Chairman : Shri. K. Gowarappan
Member : Dr. Subrata Maity

Member : Dr. D. S. Ramteke
Member : Shri. Raghukumar Kodali, Director
MOEF&CC New, Delhi.

Project Site Visit:

(A) Project: Commercial complex project at Survey Nos. 424/19, 424/7, 424/11, 424/10, 424/12, 13, 424/12, 424/14, 423/1, 423/4, 5, 423/4, 423/4, 423/4, 5, 423/3, 8, 9, Thrikkakara village, Kalamassery Municipality, Kanayanoor, Taluk, District : Ernakulam (Kerala) by M/s Nippon Motor Corporation Pvt. Ltd.

Date of Project Site Visit: September 24th, 2018

Visit Details:

The Team visited the establishment of M/s Nippon Toyota, Nippon Motor Corporation (P) Ltd., Nippon Towers, Kalamassery, Kochi accompanied by Mr. P. Z. Thomas, the EIA Consultant and received by the Senior Management of the Project Proponent, Mr. MAM Babu Moopan, Chairman & Managing Director, Mr. Athif Ahamed Moopan, Director, Mr. Naeem Shahul, Director and others.

At the outset, the Members introduced themselves with the personnel present and the MD gave a brief introduction of the Corporation, its establishment/facilities, and different activities with special reference to the Terms of Reference of Committee. The Members also interacted with the MD and the Directors on different aspects of Environment and ecology management since possession of land, different facilities of Car servicing, washings, wastes – solid, liquid and hazardous wastes special Oils and Grease, the waste disposal and treatment facilities, the ETPs; the Green Belts and Afforestation, Environmental Remediation and Augmentation Plan, etc. Environmental related issues were detailed and presented by project environment consultant.

Issues raised related to project by members after presentation

- i. Administrative issues related to submission of project details and legal issues.
- ii. Issues related to the water supply, ground water permission solid and hazardous waste generation and disposal.
- iii. Issues related to water supply (surface and ground) and permissions regarding, waste water treatment and disposal, soil quality and storages related to the solid and hazardous waste generation, quality and quantity

Issues related to species, plantation and green belt development.

The committee members were then taken to the plant visit set-up at different building levels. Following plants were visited and observed carefully.

- (1) **Waste water treatment plant (ETP)** : Different units of ETP i.e. equalization tank, screening, oil skimming, oil separators, air floatation, followed by coagulation dosing units (polyelectrolyte and coagulant, settling tank, sludge generation, type of sludge, sludge storage facility, treated waste water, clarifier, sand and carbon filters, and recycle pattern.

Observations:

- (i) On display board, along with flow diagram, there was no mention about the quantity of waste water to be treated along with capacity of the treatment plant; quality of untreated and treated effluent.
- (ii) Storage for hazardous waste was not up to the mark as per solid & hazardous waste guideline 2016 (stored on a terrace with no proper precaution)
- (iii) Disposal pattern and collection of solids & hazardous wastes was not adequate
- (iv) ETP unit maintenance was good.
- (v) All units were in operational phase.
- (vi) Adequate care was taken related to the all units operations.
- (vii) Sludge storage was nicely handled.
- (viii) Recycle scheme, storage of treated effluent is nicely operated.
- (ix) Cleanliness' in the different units operations were nicely maintained

Overall observation:

- (i) ETP is nicely maintained and operated.
- (ii) Need to take care of storage handling and disposal of hazardous wastes generates in the workshop.

(2) Sewage Treatment Plant (STP):

STP was seen by me and Shri. Gowrappan (Chairman). Details about the units and their operations were explained by the consultant and unit operation personnel. The STP was consists of screening unit, oil separator, bio-film reactor, sand filters and activated carbon filters.

Observation:

- iv. The display board of STP showing flow diagram was not with capacity of the treated STP, quantity and quality of the raw and treated sewage.
- v. All units are nicely maintained and operational.
- vi. Quantity of sludge was found to be less indicating non-functional of bio-reactor.
- vii. Quality of treated sewage was found to be good (visually shown)

Suggestions:

- (i) Treated sewage from STP should be used for gardening after checking the nutrient load.
- (ii) STP sludge should be used as a manure for plantation with proper C/N ratio.
- (iii) Activated carbon column be checked for its saturation and optimized properly for number of cycles according to the flow and sent to the supplier for regeneration and then use it in tertiary treatment after checking the regenerated carbon quality with respect to quality parameters (specially adsorption capacity)
- (iv) One environment cell should be established for proper maintenance of ETP, STP, plantation and solid & hazardous wastes handling.

(3) Plantation Area:

Plantation area was visited by all the committee members.

Observation:

There was very meagre plantation observed at the site. Only entry portion of the company was covered with plantation along with by the side of the protection wall. Some few ornamental species are planted.

Suggestions:

- Need more space for plantation and green belt cover.
- Compensatory afforestation is required
- More plant species should be planted.
- Treated sewage and sludge generated from STP be used as a manure after checking the organic and nutrient load.

(4) Solar Plant:

Solar plant was seen by the members

Observation: It is used for only lightening the entry area and plantation area

(5) Solid and Hazardous waste storage area

Visited the storage area of solid and hazardous wastes.

Observation:

- There was very sacristy area for the storage.
- Storage area was not found to be suitable.
- Certain bags are seen containing hazardous wastes materials in a very zig-zag way.

Suggestions:

- Need proper collection and storage system as per guideline.
- Need more space for storage with proper protection in a separate area.
- It should not be stored in an open area.
- Proper display board should be used for indicating the storage area.

Overall observations of the committee:

- The ETP, s sludge storage capacity is inadequate and further their evacuation mechanism is not in place and hazardous waste like serviced oil storage area is not maintained.
- The green belt is not as per MoEF guideline of one tree per 80 sq mtr
- The part of vacant land remaining after this show room built, which is not of this property has well grown trees and greenery indicating that this area also originally must have contained greenery with trees.
- Storage area of solid and hazardous wastes was not adequate, need separate space with protection.
- Bio bin capacity to be increased
- Exhaust of DG sets are in closer proximity to the active highway causing discharge of Sox and Nox, needing relocation and fume suppression.
- RWH system is inadequate.
- ECBC norm is not fully complied.

(B) Project: Mining project (MLA 7.4690 Ha) of M/s Martona Granites located at Survey No. 8/9, village Alakkodu, Panchayat Edavetty, Taluk-Thodupuzha, District: Idukki (Kerala)

Visit Details on September, 24th, 2018.

All four members were proceeded to visit the second mining site nearly 80 km from the first site.

visit of project site: The Members reached to the site accompanied by the Consultant Mr. P. Z. Thomas and was received by Mine Owner Mr. T. C. Paulson along his team at the site. The mining activities were non-operational. It was a hilly area with some mining activities at the hill top and slope area. The area is surrounded by forest area with some agricultural activities and plantation of coconut and rubber trees. One perennial stream observed passing through the

mining area and discharging in to another nallah flowing outside the mining area. Proponent decided to store the water in a ground pit and thinking to use it for mining activities.

Observations:

- The Mining activities were found to be abandoned having no instrument the site Surrounded by forest & agriculture.
- Plantation of coconut and rubber trees around the area. The area was found to be with grasses, scrubby shrubs and few stands of native trees (mostly rubber, *Ficus elastica*); The lower slopes was to be have forest trees;
- One perennial Nallah passing through the mining area.
- Water supply through tankers
- Some sewage smell observed near the Nallah indicating discharge of sewage from the upstream areas.
- No proper haul road.
- No habitation nearby mining area.
- Some scattered hamlets observed around the mining area.
- Mining already done was not in a scientific way.
- Random and zig-zag mining was observed at the top of the hill and along the slope.
- No protection of the Nallah passing through the ML area was observed.
- The area was found to be reach with granites having almost no such over-burden;
- The Lease boundary was with pillars having no other fencing;
- The mining area was with foot-paths but no such transportation route;
- No such plantation activity and/or green-belt development was noticed;
- Magazine was constructed near to mine site

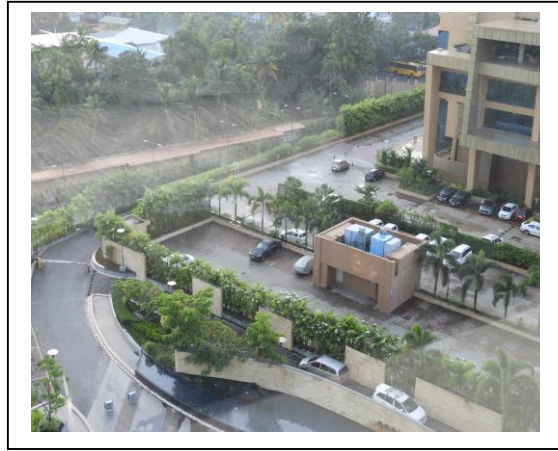
Overall observations:

- it was observed that mining activities carried out earlier were not is a scientific way.
- No haul road was observed.
- Most unsafe working without benching
- Evidence shows the top had well grown trees.
- Water stream is not properly treated and let out
- No green belt along the boundary and safety zone.
- Not provided RWH system.
- Mining should be carried out in a scientific way.
- Proper haul road be prepared for easy access.
- Proper protection should be given to the flowing Nallah passing through the mining lease area.

- Project A M/s Nippon Toyota (Kochi, Kerala)



The Entrance



The garden



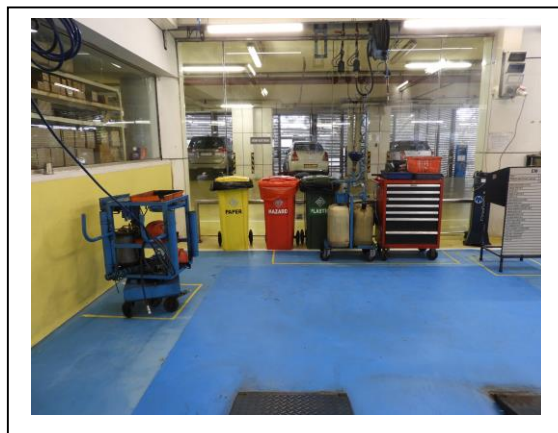
The Fencing along the boundary



The Land as lying (Before)



Servicing area



Servicing area with Garbage Beans



The ETP



ETP Flow Diagram



Bio Bin



Waste Disposal Tanks



Solid Waste Storing



Solar Water Heating

- **Project B** : **M/s Marthoma Granite (Idukki, Kerala)**



The PP at Mining Site



The Mine Area



The Mine Site



The Mine as Closed