

**GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
(IMPACT ASSESSMENT DIVISION)
NON-COAL MINING SECTOR**

SUMMARY RECORD OF 24th MEETING OF THE COMMITTEE OF THE EXPERT APPRAISAL COMMITTEE FOR ENVIRONMENTAL APPRAISAL OF NON-COAL MINING PROJECTS CONSTITUTED UNDER THE EIA NOTIFICATION, 2006.

The 24th meeting of the Expert Appraisal Committee for Environmental Appraisal of Mining Projects (Non-Coal) of the Ministry of Environment, Forest and Climate Change was held during 9-11th December, 2020 **through video conference**. The list of participants is annexed herewith. After login of the Committee Members through video conference link provided by NIC, discussion on each of the Agenda Items was taken up ad-seriatim.

(1.0) Deliberation & Circulation on the Minutes of the 23rd EAC Meeting held during November, 23-25, 2020

The minutes of 23rd EAC Meeting held during November, 23-25, 2020 was placed before the members of the Committee.

3.1: Litariya Ball Clay, China Clay & Silica sand mine for total excavation of 462960 TPA enhancement in production capacity of mineral Ball Clay, China Clay from 15000 TPA to 182160 TPA (Ball Clay 45540 TPA and China clay 136620 TPA) and inclusion of new mineral Silica Sand 70840 TPA of mine lease area 297.65 ha at village: Litaria, Tehsil- Jaitaran, District-Pali (Rajasthan) by Shri Kailash Akahwat -Terms of Reference (ToR). [Proposal No. IA/RJ/MIN/182327/2020; File No. J-11015/68/2020-IA-II(M)]

The Proposal of Shri Kailash Akahwat is for Litariya Ball Clay, China Clay & Silica sand mine for total excavation of 462960 TPA enhancement in production capacity of mineral Ball Clay, China Clay from 15000 TPA to 182160 TPA (Ball Clay 45540 TPA and China clay 136620 TPA) and inclusion of new mineral Silica Sand 70840 TPA of mine lease area 297.65 ha at village: Litaria, Tehsil- Jaitaran, District-Pali (Rajasthan). The mining lease area is a part of the Survey of India Topo-sheet No. 45 F/15. The site falls between latitude 26° 19' 54" to 26° 21' 09" N and longitudes 73° 52' 50" to 73° 55' 21" E and falls in seismic zone-II.

2. As per EIA Notification dated 14th September, 2006 as amended from time to time, the project falls under category "A", Project or Activity 1(a) as the mining lease area is more than 100 ha.

3. The project proponent had applied for ToR on 3rd October, 2018 under EIA Notification 2006 & subsequent amendments as per the MOEF&CC Notification S.O. 1530(E) dated 06.04.2018. The Proposal was placed in EAC Meeting dated 16.11.2018 wherein the proposal was returned in present form due to some shortcomings.

3. The proposal was considered in 24th EAC meeting held during 9-11th December, 2020. The project proponent did not attend the meeting. On scrutiny of documents submitted by the project proponent, Expert Appraisal Committee noted that there are three issues in the proposal i.e. (a) the project proponent has not obtained Environmental Clearance under the provisions of EIA Notification, 2006. (b) The project proponent has applied for expansion of mineral Ball Clay, China Clay from 15000 TPA to 182160 TPA and inclusion of new mineral Silica Sand 70840 TPA without obtaining EC under the provisions of EIA Notification, 2006. (c) Ball Clay, China Clay & Silica sand come under minor mineral and the project proponent has not submitted the District Survey Report (DSR) which is mandatory as per the Ministry's 2018 guidelines. Therefore, the Committee **deferred** the proposal.

3.2: Expansion in production capacity 3.3 to 5.77 MTPA ROM (Limestone: 5.25 MTPA & Mineral Reject: 0.52 MTPA), Top Soil: 0.001 MTPA, OB: 3.08 MTPA, (Total Excavation: 8.851 MTPA) & Proposed Crusher 1500 TPH Capacity along with Wobbler of mine lease area 689.76 ha at Villages: Moharai, Dagla, Asarlai, Tunkara, Nimbera Khurd in Tehsil: Jaitaran and Village: Meshia in Tehsil: Raipur, District: Pali, Rajasthan by M/s UltraTech Cement Ltd.- Terms of Reference (ToR) [Proposal No. IA/RJ/MIN/182353/2020; File No. J-11015/69/2020-IA-II(M)]

The Proposal of M/s UltraTech Cement Ltd. is for Expansion in production capacity 3.3 to 5.77 MTPA ROM (Limestone: 5.25 MTPA & Mineral Reject: 0.52 MTPA), Top Soil: 0.001 MTPA, OB: 3.08 MTPA, (Total Excavation: 8.851 MTPA) & Proposed Crusher 1500 TPH Capacity along with Wobbler of mine lease area 689.76 ha at Villages: Moharai, Dagla, Asarlai, Tunkara, Nimbera Khurd in Tehsil: Jaitaran and Village: Meshia in Tehsil: Raipur, District: Pali, Rajasthan. The mining lease area is a part of the Survey of India Topo-sheet No. G4341. The site falls between latitude 26010'18.07"N to 26014'44.37" N to longitude 74004' 00.41"E to 74006'41.0"E and falls in seismic zone-II.

2. As per EIA Notification dated 14th September, 2006 as amended from time to time, the project falls under Category "A", Project or Activity 1(a) as the mining lease area is more than 100 ha and 2(b)-3 for "Mineral Beneficiation"

3. The project proponent submitted that Environment Clearance (EC) was obtained (ML Area: 755.10 ha) with production capacity of 3.3 Million TPA (ROM) vide letter no J-11015/281/2011- IA.II(M), dated 02.01.2014. Amendment in EC

dated 02.01.2014 regarding area reduction from ML Area 755.10 ha to 689.76 ha with existing production capacity of 3.3 Million TPA (ROM) was obtained vide letter no J-11015/281/2011- IA.II(M) (Pt.), dated 24.02.2016. Again amendment in EC regarding utilization of waste in construction of Integrated Cement Plant was obtained vide letter no J-11015/281/2011- IA.II(M), dated 03.06.2020. Application was submitted to MoEF&CC online on 06.11.2020. The proposal was considered in 24th EAC meeting held during 9-11th December, 2020.

4. The project proponent submitted that Letter of Intent was issued by State Government vide letter No. P-16/3/Mines/Group-2/2000 dated 27.07. 2012 over an area of 755.10 ha. Revised LOI was issued by the State Government over an area of 689.76 ha after the reduction of Charagah land vide letter no. P.16 (3) Mine/Group-2/2000 dated 21.04.2014 for 689.76 ha ML Area. Mining lease deed for the revised area of 689.76 ha was executed & registered for 50 years dated 17.03.2015 & 19.03.2015 respectively which was valid up to 18.03.2065.

5. The project proponent submitted that Modified Mining Plan along with Progressive Mine Closure Plan for expanded capacity of limestone has been approved by Indian Bureau of Mines, Ajmer vide letter no. 584(4)(3)(1838)/2020-RCOM, Ajmer dated 23.11.2020.

6. The project proponent submitted that the Mining operations are being carried out by mechanized opencast method for raising limestone and excavation is being carried out by slicing method. Conventional method of deep hole drilling & blasting and excavation & loading by excavators (back-hoe) and haulage by dumpers/tippers are being followed. Drilling is being carried out by drill machines and the generated muck pile is excavated by the excavators (back-hoe) with bucket. 1500 TPH capacity of crusher will be installed along with wobbler within the lease area. Transportation of limestone from mine face to the crusher/stockpiles/waste dump will be done by dumpers. Crushed limestone from crusher to the interlinked cement plant will be conveyed by proposed covered conveyor belt (length 3500 m) from crusher to the plant.

7. The project proponent submitted that nearest villages are Moharai, Dagla, Tunkara & Nimbera Khurd and Primary School in the nearby villages, Nearest Highway is NH 112 at approx 4.7 km in SW direction.

8. The project proponent submitted that total water requirement after expansion in Limestone Production Capacity will be 340 KLD which will be sourced from Ground Water. Later on, it will be sourced from mine sump as & when developed. NOC regarding ground water withdrawal from CGWA was obtained vide letter no. 21-4(600)/WR/CGWA/2014-1675 dated 15.10.2014. Extension of NOC has been recommended by Regional Director CGWB-Jaipur vide letter no. TS/21B (536)/CGWA/2012-2050, dated 04.10.2019.

9. The project proponent submitted that at present about 15.40 ha area has been covered under Greenbelt & Plantation. At the end of life of mine 211.60 ha area to be covered under greenbelt/plantation. Thus, total greenbelt/plantation area will be 227.0 ha (on un-worked area: 107.681, on backfilled area: 93.124 ha, on waste dump: 26.195 ha). Local and fruit bearing species are being/will be planted after consultation with local forest officer and as per CPCB guidelines. Density of plantation would be 2500 trees / ha. The project proponent also submitted that average height of the plants planted in the mine lease area is 6-7 feet and plantation is being done since last 3 years.

10. The project proponent submitted that there is no Forest land within the lease area. Reserved & Protected Forest viz. Asarlai Jor Block RF, Birantiya Adidang RF, Babra Giri Block RF, Kalu Lambiya Jod PF & Protected Forest exist in the study area. The project proponent also submitted that this proposal is for ToR and detailed study of flora & fauna is under process.

11. The project proponent submitted that there is no National Park, Wild Life Sanctuaries, Biosphere Reserves, Tiger Reserves, Wildlife Corridors Eco-sensitive Zone(ESZ) within the 10 km radius of study area.

12. The project proponent submitted that combined Baseline Study has been carried out during Winter Season (Dec., 2019 to Feb., 2020) for proposed expansion in plant along with mine.

13. The project proponent submitted that total mining lease area is 689.76 ha, out of which 340.907 ha is Government land & 348.854 ha is private land, most of the land is under the possession of the company.

14. The project proponent submitted that there is no court case pending against the project.

15. The project proponent submitted that the mine came into production since 16th Jan., 2017 but mine didn't operate at its peak capacity as the Plant was not set up; therefore, till date production from mining operation is meagre.

S. No.	Year	Granted Capacity as per EC & CTO (In Million Tonnes)	DMG Certified Production Details (In Million Tonnes)
1	2016-2017	3.3	0.0001
2	2017-2018	3.3	0.0001
3	2018-2019	3.3	0.00012

4	2019-2020	3.3	0.0023
5	2020-2021	3.3	0.02006
6	2021-2022	3.3	0.00022*

* Production till 30.09.2020

16. The project proponent submitted that UTCL has submitted an Affidavit to MoEF&CC that the mining would be done strictly in accordance with the statutory requirement & 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 & Ores.

17. The project proponent submitted that total project cost is Rs. 115 crore including land cost. Capital cost for the Environmental Management Plan (EMP) is Rs. 2.25 crore & recurring cost of EMP is Rs. 0.62 crore.

18. The project proponent submitted that total man power requirement after the expansion in production capacity will be 111 persons.

19. The proposal was considered in 24th EAC meeting held during 9-11th December, 2020. The EAC noted that previous EC compliance particularly for peripheral plantation within first five years is grossly inadequate. The project proponent must give an undertaking to comply to all EC conditions including green belt development and gap plantation along lease boundary as well as carry out plantation on dump, along avenue, haul road and on closed pits using "tall" (6 ft) seedlings within 6 months from date of grant of ToR. This compliance will be reviewed by EAC via certified imagery through NRSC, site's physical photographs, KML file and certified R.O. compliance report. This compliance must be reflected in the above mentioned submissions by project proponent. PP should present the compliance report at the time of EC appraisal. EIA report should include the cost of additional EMP (capital) recurring as well as long term EMP Monitoring costs. The Committee **recommended** the proposal for Terms of Reference (ToR) for Expansion in production capacity 3.3 to 5.77 MTPA ROM (Limestone: 5.25 MTPA & Mineral Reject: 0.52 MTPA), Top Soil: 0.001 MTPA, OB: 3.08 MTPA, (Total Excavation: 8.851 MTPA) & Proposed Crusher 1500 TPH Capacity along with Wobbler of mine lease area 689.76 ha at Villages: Moharai, Dagla, Asarlai, Tunkara, Nimbera Khurd in Tehsil: Jaitaran and Village: Meshia in Tehsil: Raipur, District: Pali, Rajasthan.

3.3: Madukkarai Limestone Mine for re-validation of EC under Notification S.O. 1530(E) dated 6th April 2018 for production capacity of 0.167 MTPA of mine lease area 14.51 Ha at Village madukkarai, District Coimbatore, Tamil Nadu- TOR. [Proposal No. IA/TN/MIN/81168/2018; File No. J-11015/70/2020-IA-II(M)]

The Proposal of M/s ACC Limitedis for Madukkarai Limestone Mine for re-validation of EC under Notification S.O. 1530 (E) dated 6th April 2018 for production capacity of 0.167 MTPA of mine lease area 14.51 Ha at Village Madukkarai, District Coimbatore, Tamil Nadu. The mining lease area is a part of the Survey of India Topo-sheet No. 45F/12,45 G19. The site falls in seismic zone-III.

2. As per EIA Notification dated 14th September, 2006 as amended from time to time, the project falls under Category “B”, Project or Activity 1(a). No general condition exists. The project proponent obtained the Environmental Clearance by MoEF&CC vide letter J-11015/121/2005-IA.II(M) dated 21.06.2005 under EIA Notification 1994. This proposal is for revalidation of EC under Notification S.O. 1530 (E) dated 6th April 2018.

3. The project proponent submitted that the original lease was granted vide G.O. Ms. No. 2483/ILC dated 09.07.1968 for the period of 20 years. The Mining Lease of Madukkarai Limestone Mine (RC No-7702) was renewed for a period of 20 years for an area of 14.51.5 Ha commencing from 28.11.98 to 27.11.2018 and the mine is operated under deemed validity as per the section 8A (5) of New MMDR Amendment Act 2015.

4. The project proponent submitted that Mining Plan with Progressive Mine Closure Plan over an area of 14.51 ha was approved by the Regional Controller of Mines, IBM, Kolkata vide letter no. TN/CBT/LST/ROMP/-1454-MDS dated 17.11.2017 for the period 01.04.2018 to 31.03.2023.

5. The project proponent submitted that total water requirement will be 10 KLD, out of which 8 KLD will be used in sprinkling, dust suppression (including wet drilling) and green belt development and rest 2 KLD will be used for drinking and domestic purposes.

6. The project proponent submitted that Green belt has been developed in 4.515 ha area in 7.5m, HT Line etc. At Conceptual period 4.515 Ha area will be developed as green belt on the backfilled area of mining lease. Besides this, it is also proposed that plantation will be undertaken on the stabilized dumps as per conceptual plan in consultation with the Forest Department.

7. The project proponent submitted that there are seven schedule 1 species present in the study area. The Conservation plan was not prepared as it was not applicable at the time of EC.

8. The project proponent submitted that Public hearing was conducted on 4th March 2005. There is no litigation is pending against the project.

9. The project proponent submitted that the project cost is INR4.38 Crores and cost for Environment Protection for the Project is as follows:

- ❖ Capital cost –Rs. 15 Lakhs/-
- ❖ Annual Recurring cost- Rs. 12 lakhs/-

10. The project proponent submitted that the maximum strength of direct workers will be 38. Most of the workers will be hired from the local area. The project will also generate indirect employment.

11. The proposal was considered in 24th EAC meeting held during 9-11th December, 2020 wherein the Committee noted that there are total three mines and one plant in operation of the same project proponent for which combined study needs to be carried out by the project proponent. There is a lot of mining activities observed outside the mining lease area in KML file. There was no boundary plantation in the lease area.

12. Based on the documents submitted and presentation by the project proponent, the Committee **recommended** the project for Madukkarai Limestone Mine for Terms of Reference under Notification S.O. 1530(E) dated 6th April 2018 for production capacity of 0.167 MTPA of mine lease area 14.51 Ha at Village madukkarai, District Coimbatore, Tamil Nadu subject to the following specific conditions in addition to the standard ToR conditions:

- The project proponent shall carry out the combined environmental impact study for all the three mines and a plant in order to have a complete impact scenario of the region.
- The project proponent shall submit the list of schedule-1 species duly authenticated by concerned department. The PP shall submit the combined conservation plan including all the three mine leases and the plant duly approved by Principle Chief Conservator of Forest (PCCF).
- The project proponent shall submit certificate approved by DMG clearly stating that no mining activity has been carried out outside the mining lease area.
- The project proponent shall submit the EC compliance report duly certified by R.O. within 2 months.
- The project proponent needs to submit the undertaking to complete the plantation of all the mine leases altogether owned by the same project proponent as per the previous EC condition, peripheral plantation must be addressed within 6 months.

3.4: Proposal for Anandavadi Limestone Mines with production capacity of 0.26 MTPA to 1.5 MTPA from the mine lease area 110.685 ha located at village-Anandavadi, District-Ariyalur, Tamilnadu by M/s Tamilnadu Cements Corporation Limited Environmental Clearance (EC) [Proposal No. IA/TN/MIN/183551/2020; File No. J-11015/173/2018-IA-II(M)]

The Proposal of M/s Tamil Nadu Cements Corporation Limited is for Anandavadi Limestone Mines with production capacity of 0.26 MTPA to 1.5 MTPA from the mine lease area 110.685 ha located at village- Anandavadi, District-Ariyalur, Tamil Nadu. The mining lease area is a part of the Survey of India Topo-sheet No. 58 M/4. The site falls between latitude 11°18'667" To 11°19'083" N to longitude 79°18'67" To 79°19'889" E and falls in seismic zone-II.

2. As per EIA Notification dated 14th September, 2006 as amended from time to time, the project falls under Category "A", Project or Activity 1(a) as the mining lease area is more than 100 ha.

3. The ToR has been granted vide letter J-11015/173/2018-IA.II(M) on 18.09.2020. The PP submitted the application for EC on 17th November, 2020. Now the proposal is considered in 24th EAC meeting to be held on 11th November, 2020.

4. The committee noted that (a) the pit slope of the Benches is not being maintained at 45 degrees as indicated by the project proponent. The benches are very steep and at some places collapse of the benches has been observed. (b) Suitable measures for dump stabilisation have not been observed. There is no plantation for dump stabilisation. At some places collapse of dump faces was also observed. (c) Height of the dump proposed and actual has not been indicated. (d) It has been indicated that there is a temple in the lease area. Steps taken to safeguard the same have not been indicated. Also, the Committee is of the view that the project proponent was not able to give the satisfactory answers to the committee members while enquiring about the proposal during the presentation.

5. Based on the presentation and documents submitted by the project proponent, the Committee **deferred** the proposal due to the following shortcomings:

- The EMP is very generic. It has to be totally revised by indicating the type of impacts, its quantification and the capital investment suggested action-wise in EMP, cost of monitoring till the life of the mine including the plantation.
- Total excavation has to be properly addressed in the revised submission. Dump stability measures also has to be properly addressed.
- The protection measures all along the road are not properly documented for the transport route of 15 km from mine to the plant. Plantation along the road

has to be included. If the road is passing through the villages, indicate the protection measures to be taken for the same.

- The project proponent needs to submit the revised conservation plan duly approved by the PCCF.
- The project proponent needs to submit the safeguard measures for the temple observed in the mine lease area.

3.5: Proposal for Adityana Naviline D Limestone mining production capacity 150000 TPA of mine lease area 12.62 ha located at Village Adityana, Tehsil Ranavav, District Porbandar, and State Gujarat by M/s Tata Chemicals Limited-Terms of Reference (ToR) [Proposal No.IA/GJ/MIN/70273/2017; File No.J-11015/147/2018-IA-II(M)]

The Proposal of M/s Tata Chemicals Limited is for Adityana Naviline D Limestone mining production capacity 150000 TPA of mine lease area 12.62 ha located at Village Adityana, Tehsil Ranavav, District Porbandar, and State Gujarat. The mining lease area is a part of the Survey of India Topo-sheet No. 41G/10. The site falls between latitude 21° 43'1.463" N to 21° 42'58.378" N to longitude 69° 42' 46.661" E to 69° 42'53.073" E and falls in seismic zone-III.

2. As per EIA Notification dated 14th September, 2006, as amended from time to time, the project falls under Category "A", Project or Activity 1(a) as general condition exists. The Barda Wildlife Sanctuary falls at a distance of 0.018 km from mine lease area.

3. The application was submitted on 12.10.2017 by the project proponent. EDS was raised on 13.11.2017 asking that as mentioned in the Serial No. 7 of the Form-I that general condition is not applicable but as per Section- III serial No. 1 Barda Wildlife Sanctuary 0.6 km from the mining lease. It is requested to fill the Form -I correctly, submit certificate from forest department regarding distance of mining lease from Barda Wildlife Sanctuary, past production details since the inception of the mine duly authenticated by DMG and copy of consent to operate. PP replied to the same on 05.10.2018. The proposal was considered in 38th EAC meeting held during November 15-16, 2018 wherein PP did not attend the meeting due to which proposal was deferred.

4. The proposal was again considered in 24th EAC meeting held during 9-11th December, 2020. Based on the presentation and documents submitted by the project proponent, the Expert Appraisal Committee noted that project site is within 1 km of Barda Wildlife Sanctuary located at a distance of 0.018 Km. Mining activity is prohibited as per Hon'ble Supreme Court order dated the 4th August, 2006 in the matter of T.N. Godavarman Thirumulpad Vs. UOI in W.P. (C) No. 202 of 1995 and

dated the 21st April, 2014 in the matter of Goa Foundation Vs. UOI in W.P. (C) No. 435 of 2012. Therefore, the Committee **rejected** the proposal.

3.6: Proposal for Expansion of Maliakhera Limestone Mine with total excavation 6.3 MTPA (limestone 5.6 MTPA, interburden (clay) / screen rejects/waste 0.245 MTPA, topsoil 0.030 MTPA, sub grade mineral (mineral rejects) 0.425 MTPA) from the mine lease area 315.409 ha located at Village Maliakhera, Tehsil Nimbahera, District Chittorgarh, State Rajasthan by M/s JK Cement Work- Terms of Reference (ToR)[Proposal No.IA/RJ/MIN/99837/2019; File No. J-11015/42/2019-IA-II(M)]

The Proposal of M/s JK Cement Workis for Expansion of Maliakhera Limestone Mine with total excavation 6.3 MTPA (limestone 5.6 MTPA, interburden (clay) / screen rejects/waste 0.245 MTPA, topsoil 0.030 MTPA, sub grade mineral (mineral rejects) 0.425 MTPA) from the mine lease area 315.409 ha located at Village Maliakhera, Tehsil Nimbahera, District Chittorgarh, State Rajasthan. The mining lease area is a part of the Survey of India Topo-sheet No. 45 L/5,45 L/6, 45 L/9, 45 L/10, 45 L/13, 45 L/14. The site falls between latitude 24°40'6.6" to 74°37'22.4" N to longitude 24°41'04.5" to 74°35'55.6"Eand falls in seismic zone-II.

2. As per EIA Notification dated 14th September, 2006 as amended from time to time, the project falls under Category "A", Project or Activity 1(a) as the mining lease area is more than 100 ha.

3. The proposal was submitted on 08/03/2019 through online portal and was considered for grant of TORs by the EAC meeting held during May 29-30,2019 and there were few observations of the EAC and accordingly the proposal was returned in present form due to few shortcomings. The reply for the same was submitted on September 15, 2020.Again, it was considered in 22nd EAC meeting held on 26th October, 2020 wherein the proposal was deferred due to want of requisite information. Therefore, the project proponent submitted the reply of ADS on 16.11.2020. Now the proposal is considered in 24th EAC meeting held on 11th December, 2020.

4. The project proponent submitted that the mining lease was originally sanctioned in favor of J. K. Cement Works by State Govt. vide letter no. P4 (298) KHAN/ Group – 02/ 81 dated 25.07.1984 for an area of 320 Ha. for twenty years from 13.12.1984 to 12.12.2004 and mining operation was commenced from 15.04.1986. First renewal of mine lease was done by the State Govt. for an area of 315.409 ha. for the period of 20 years from 13.12.2004 to 12.12.2024. Lease agreement was signed on 05.08.2014 and registered on 06.08.2014. Extension of lease period as per provision of MMDR Amendment Act 2015, has been granted for the validity of mine lease up to 12.12.2034 vide State Govt. order no. AME/Nimba/CC-1/ML4/2003/2050 dated 27.02.2015.

5. The project proponent submitted that the modified mining plan with Progressive Mine Closure Plan has been approved by the Regional Controller of Mines, IBM, Ajmer vide letter No. 584(4)(3)(1837)/2020- RMD/Ajmer on dated 24.11.2020 for total excavation of 6.3 MMTPA (ROM).

6. The project proponent submitted that the mining is opencast –Fully Mechanized with controlled blasting and wet drilling.

7. The project proponent submitted that the Existing water requirement is 142.0 KLD; after Expansion - 161.0 KLD (Domestic – 1.0 KLD, Dust Suppression- 80.0 KLD, Plantation- 60.0 KLD and Washing of Machineries- 20.0 KLD). Domestic water will be sourced from ground and rest of the water requirement will be met from rain water collected in Mine pit.

The ultimate pit limit will be 383 MSL. General ground level 437 MSL. Hence mining depth would be 54 BGL. Ground water level during the summer is 50-55 m bgl hence mining will intersect ground water table. NOC for ground water withdrawal has been obtained from CGWA vide letter no. 21-4(286)/WR/CGWA/2008-1676 dated 28.10.2015 and corrigendum dated 17.05.2016 for mine intersection and dewatering. Renewal application applied vide letter No. MGR-PC-23/2562 dated 16.10.2017. Renewal application has been recommended and forwarded by the Regional Director CGWA Jaipur to Member Secretary CGWA Delhi vide letter No. TS/21B(221)/CGWA/WR/2008-6073 dated 18.07.2018.

8. The project proponent submitted that out of the lease area of 315.409 ha, the present area put in use is 89.487 ha. Till Sep, 2020, plantation has been done in 25.03 ha (20.38 ha in ML area, 4.65 ha outside ML area with 44,029 nos. of plants) which is 27.90 % of total existing put in use ML area. Plantation is in progress and till 31.03.2021, it would be done in 4.50 ha within ML area to meet the 33% plantation of put in use ML area. At the conceptual stage the total put in use area of ML will be 256.274 ha and the required plantation in 33% area of put in use ML area will be 84.57 ha with 103569 nos. of Plants.

9. The project proponent submitted that there are 5 Reserved forests within 15 km of study area which are as follows:

S. No.	Particulars	Distance (Km)	Direction
		(From Lease Boundary)	
(a)	Kesarpura RF	8.83	NW
(b)	Arnoda RF	14.24	ENE
(c)	Gilund RF	13.08	NE
(d)	Reserved Forest	13.65	S
(e)	Bhadesar RF	8.65	W

*Source: All distances are taken with respect to SOI, Toposheet.

10. The project proponent submitted that there are six Schedule -1 species found which are as follows:-

- (a.) *Pavocristatus* (Indian Peafowl),
- (b.) *Pantherapadusfusca* (Indian Leopard),
- (c.) *Prionailurusrubiginosus* (Rusty-Spotted Cat),
- (d.) *Canis lupus pallipes* (Indian Wolf),
- (e.) *Varanusbengalensis* (Indian Monitor Lizard) &
- (f.) *Gyps indicus/Gyps bengalensis* (Indian Vulture)

Combined Wildlife Conservation Plan for entire J.K. Cement Works units & all mining located in the Tehsil Nimbahera district, Rajasthan has been submitted to Divisional Forest Officer, Chittorgarh for authentication vide letter no. NBH/PC/C/EC/11 dated 08/09/2020. Conservation plan has been recommended & forwarded by the DFO Chittorgarh Rajasthan to Chief conservator of Forest Udaipur, vide letter no. F() Servey/Dy Conservator of Forest/2020-21/6048 dated 23.09.20. The same has been forwarded to the Additional Principal Chief conservator of Forest Jaipur, vide letter no. f 5 () forest conservation/Principal conservator of Forest /2020-21/5002 dated 24.09.2020 .

11. The project proponent submitted that there is no Wildlife Sanctuary/ National Park/ Biosphere Reserve/ Wildlife Corridor existing as well as proposed within 15km radius of the project area, hence Eco-sensitive Zone (ESZ)/ NBWL is not applicable.

12. The project proponent submitted that the baseline data was collected during March, April & May 2018.

13. The project proponent submitted that the Capital Cost of EMP is 340 Lacs and Recurring Cost: - 34 Lacs.

14. The project proponent submitted that no litigation is pending against the lease area/ applicant of this lease area in any court of law.

15. The project proponent submitted that past production details have been submitted vide letter no. AME/NBH/Static/2020-21/02 dated 17.06.2020.

16. The project proponent submitted that the project cost after expansion is 87.704 Crores. The existing employment is 73 persons & after expansion – 82 persons.

17. The proposal was considered in 24th EAC meeting held during 9-11th December, 2020. The EAC noted that previous EC compliance particularly for peripheral plantation within first five years is grossly inadequate. The project

proponent must give an undertaking to comply to all EC conditions including green belt development and gap plantation along lease boundary as well as carry out plantation on dump, along avenue, haul road and on closed pits using “tall “ (6 ft) seedlings within 6 months from date of grant of ToR. This compliance will be reviewed by EAC via certified imagery through NRSC, site’s physical photographs, KML file and certified R.O. compliance report. This compliance must be reflected in the above mentioned submissions by project proponent. The project proponent should present the compliance report at the time of EC appraisal. EIA report should include the cost of additional EMP (capital) recurring as well as long term EMP Monitoring costs. The Committee **recommended** the proposal for Terms of Reference (ToR) for expansion of Maliakhera Limestone Mine with total excavation 6.3 MTPA (limestone 5.6 MTPA, interburden (clay) / screen rejects/waste 0.245 MTPA, topsoil 0.030 MTPA, sub grade mineral (mineral rejects) 0.425 MTPA) from the mine lease area 315.409 ha located at Village Maliakhera, Tehsil Nimbahera, District Chittorgarh, State Rajasthan by M/s JK Cement Work.

3.7: Proposal for Mangrol Tilakhera Limestone Mine with expansion from 1.6 Million TPA (ROM) of Limestone to 2.4 Million TPA (ROM) Total Excavation (Limestone 1.80 Million TPA + Mineral Rejects- 0.55 Million TPA + Interstitial clay- 0.04 million TPA + Soil- 0.01 Million TPA) in the mine lease area of 299.20 ha located at village Mangrol & Tilakhera, Tehsil- Nimbahera, District- Chittorgarh, Rajasthan by M/s J.K. Cement Limited - Environmental Clearance (EC)[Proposal No. IA/RJ/MIN/181062/2018; File No. J-11015/25/2011-IA.II(M)]

The Proposal of M/s J.K. Cement Limited is for expansion of Mangrol-Tilakhera Limestone mine (M.L. No. 07/1997, Area 299.20 ha.) from 1.60 Million TPA (ROM) of Limestone to 2.40 Million TPA of Total Excavation (ROM) (Limestone – 1.8 Million TPA + Mineral rejects – 0.55 Million TPA + Interstitial Clay - 0.04 Million TPA + Top Soil - 0.01 Million TPA) of Mangrol-Tilakhera Limestone Mine (ML No. 07/1997, ML area 299.20 Ha.) Village(s) –Mangrol & Tilakhera, Tehsil–Nimbahera, District – Chittorgarh, Rajasthan. The mining lease area is a part of the Survey of India Topo-sheet No. 45L/10. The site falls between latitude 24°41’33.0” to 74°40’59.5 N to longitude 24°42’44.1” to 74°41’00.0”E and falls in seismic zone-II.

2. As per EIA Notification dated 14th September, 2006 as amended from time to time, the project falls under Category “A”, Project or Activity 1(a) as the mining lease area is more than 100 ha.

3. The proposal was considered for ToR in the EAC meeting held during July 19-20, 2018 wherein the ToR was prescribed by the Committee. The ToR was granted by MoEF&CC vide letter dated 8th August 2018. The project proponent submitted the application on 31st October, 2020. An EDS was raised on 09.11.2020. PP submitted the reply on 10.11.2020. Now the proposal was placed in 24th EAC meeting held on 11th December, 2020.

4. Based on the presentation and documents submitted by the project proponent, the Committee **deferred** the proposal due to the following shortcomings:

- The project proponent needs to submit the revised environmental management plan (EMP) with proper capital cost. Additional EMP capital cost and recurring cost must be separately submitted.
- The project proponent needs to submit the revised cost of vehicles and cost of water conservation structures in the approved conservation plan.
- After verification of the KML file on Google Earth, the Committee is of the view that there was no safety zone plantation along the lease boundary. The project proponent needs to submit the status of the plantation as per the previous EC condition.

3.8: Proposal for Aniali Limestone Mining Project for Amendment in Environmental Clearance with production capacity of 0.014 MTPA in the mine lease area 12.27 ha located at Village-Aniali, Taluka- Ranavav, District-Porbandar, Gujarat by M/S TATA Chemicals Limited- Amendment in EC. [Proposal No.IA/GJ/MIN/126699/2019; File No. J-11015/304/2012-IA.II(M)]

The Proposal of M/S TATA Chemicals Limitedis for Aniali Limestone Mining Project for Amendment in Environmental Clearance with production capacity of 0.014 MTPA in the mine lease area 12.27 ha located at Village-Aniali, Taluka-Ranavav, District-Porbandar, Gujarat. The mining lease area is a part of the Survey of India Topo-sheet No. 41 G/14. The site falls between latitude 21°42'37" to 21°42'48" N to longitude 69°50'23" to 69°50'38" E and falls in seismic zone-III.

2. As per EIA Notification dated 14th September, 2006 as amended from time to time, the project falls under Category "A", Project or Activity 1(a) as the Barda Wildlife Sanctuary falls at a distance of 4.14 km in NW direction from MLA.

3. The Project proponent obtained the Environmental clearance from MoEF&CC vide letter no. J-11015/304/2012-IA.II(M) dated 27.07.2015. The project proponent has now applied for amendment in environmental clearance as MoEF&CC declared ESZ of Barda Wild Life Sanctuary vide Notification S.O. 2991 E dated 02/11/2015 and S.O. 1365 E dated 28/04/2017 vide which Eco-Sensitive Zone of Barda Wildlife Sanctuary with map stands declared in public domain. Accordingly, TCLs subject mentioned area fall outside the declared ESZ. Therefore, the above-mentioned condition of the granted EC will not be applicable to this project. The project is outside the Eco Sensitive Zone of Barda Wildlife Sanctuary about 112.21mt. authenticated by DFO, Porbander.

4. The project proponent submitted that the the mining lease for Limestone over 12.27 hectares was granted in name of M/s TATA Chemicals Limited vide order no

MCR/1565/13876/CHH issued by Government of Gujarat, Industries, Mines & Power Department, Gandhinagar on 07.07.1966 on survey no. 207/P. It was executed for a period of 20 years with effect from 23.12.1966 to 1986. First renewal was applied on by TCL in form J on 02.09.1985 for 20 years and State Government rejected renewal application on dated 14.05.1987. TCL filed court case in Gujarat High Court against rejection of renewal application by central Government and the Gujarat High Court give its decision in favor of company to State Government for renewal of lease. TCL applied for second renewal on 17.11.2005. Due to amendment in Section 8A(5) of the MMDR Amendment Act 2015, lease period of captive leases are deemed to be extended for fifty years from the initial grant or up to 30 March 2030 vide letter no.MCR/1565-13876-CHH dated 02.02.2018, issued by Industries and Mines Department, Government of Gujarat.

5. The project proponent submitted that the mine plan of Aniali Limestone Mine (12.27 Ha), Porbandar, Gujarat has been approved vide letter no. 682(23)(373)/2005 MMDR (N)Uday dated 14.09.2016.

6. The project proponent submitted that the existing method of mining is Open Cast Mining method by formation of benches of max 5m height, ramp gradient 1 in 16, drilling 102mm diameter deep hole blasting, excavation by diesel operated hydraulic excavator into tipper trucks and transportation of mineral from mine site to destination through tipper trucks. Bench slope angles maintained at 80°. The deposits having a shallow depth. No OB is present on the chemical grade limestone bed and it is suitable for open cast mining method. Drilling & Blasting is proposed to be used for fragmentation, further blasted limestone (ROM) will be loaded by shovel into dumpers/HEMM for transporting to the crushing/sizing sites outside the ML area. The geometry of benches elongated along the strike length whereas the advancement of faces perpendicular to strike towards NE and SW direction. The approach to the benches will be through 1 in 16 gradient ramps. Face length is variable from 50m to 90m; advancement of face is marked on the plan. The bench height is such that it will not exceed 5m in height, wherever the depth of deposit is more elevated topography, two slices of benches will be maintained for the safety point of view. The slope of each bench will be kept around 80°. The UPL is the contact zone of inferior/cement grade limestone and base rock, which is expected to go to up to 44mRL. The benches of chemical grade limestone & cement grade limestone will be kept separately to reduce dilution.

6. The project proponent submitted that the total water requirement is about 10.0 KLD = 1.1 KLD (Domestic uses) + 4.0 KLD (Plantation) + 4.9 KLD (Dust Suppression). Approval from CGWA for abstraction of 10KLD ground water has been taken vide letter no. 21-4(861)/WCR/CGWA/2011-947 dated 27.07.2011.

7. The project proponent submitted that as on date 1024 plants (0.80 Ha.) have been planted. Green Belt will be developed around the lease boundary and haul roads. Plantation will be done on undisturbed area, reclaimed area, dump site, near

crusher plant, workshop and mine office, etc. 200 plants will be planted annually. Local plant species like Khair, Safed Babool, Siris, Jackfruit, Neem, Kachnar, Amaltas, Nimbu, Nariyal, Shisham, Gulmohar, Karanj, Tendu, Pipal, Mahua, Drumstick, Khajur, Imli etc. will be planted.

8. The project proponent submitted that no protected/ forest area is involved as the proposed lease area is a Non-Forest Government waste land measuring 12.27 Ha.

9. The project proponent submitted that Wildlife Conservation Plan for Schedule-1 Species had been submitted with EC proposal.

10. The project proponent submitted that the project is outside the Eco Sensitive Zone of Barda Wildlife Sanctuary about 112.21 meter as per duly authenticated map provided by DFO, Porbandar. Therefore, NBWL clearance is not required for the proposed project.

11. The project proponent submitted that there is no litigation pending against the project.

12. The project proponent submitted that Environment Clearance has been granted for this project on 27.07.2015 by MoEF&CC for the annual production of 14,000 Tons of limestone. TATA Chemicals had not started the mining till 2016-17. Mining Operation has started only after the declaration of Barda WLS ESZ and its subsequent notification date 28.04.2017. After obtaining the EC, mine become operational in year 2017-2018. However, the past production details are available from the date of mining operation in the past. About 12.150 thousand Tonnes of mineral has been mined out in the years 2017-2018. During the production period environmental management measures were taken care like green belt development etc. by TCL.

13. The project proponent submitted that the estimated project cost is Rs. 0.39Crore. The total manpower requirement for this mining project is 48 persons.

14. The proposal was considered in 24th EAC meeting held during 9-11th December, 2020. The Committee noted that the project proponent had started the work at mine site without obtaining amendment in previous environmental clearance. Ministry may take action accordingly. The Committee **recommended** to amend the Environmental Clearance to remove the specific condition no. (ii) mentioned in the EC letter no. J-11015/304/2012-IA.II(M) dated 27.07.2015 that "Environmental clearance is subject to obtaining clearance under the wildlife (Protection) Act, 1972 from the competent authority as it is applicable to this project" for the proposal of Aniali Limestone Mining Project with production capacity of 0.014 MTPA in the mine lease area 12.27 ha located at Village-Aniali, Taluka- Ranavav, District-Porbandar, Gujarat by M/S TATA Chemicals Limited. All other terms and

condition of EC letter no. J-11015/304/2012-IA.II(M) dated 27.07.2015 shall be applicable.

3.9: Revalidation of Environmental Clearance as per MoEF&CC Notification dated 06.04.2018 for Amtipani Bauxite Mine of mine lease area: 190.95 with production Capacity of Bauxite 150000 TPA near Villages: Amtipani, Chirodih & Gurdari, Taluka: Bishunpur, District: Gumla, Jharkhand by M/s Hindalco Industries Limited (HIL).- TOR [Proposal No.IA/JH/MIN/80511/2018; File No. J-11015/241/2005-IA.II(M)]

The Proposal of Hindalco Industries Limited is for Revalidation of Environmental Clearance for Amtipani Bauxite Mine of mine lease area: 190.95 with production Capacity of Bauxite 150000 TPA near Villages: Amtipani, Chirodih & Gurdari, Taluka: Bishunpur, District: Gumla, Jharkhand. The mining lease area is a part of the Survey of India Topo-sheet No. 73 A/7. The site falls between latitude 23°21'38.12" N to 23°19'8.99" N to longitude 84°15'18.06" E to 84°15'59.66" E and falls in seismic zone-III.

2. As per EIA Notification dated 14th September, 2006 as amended from time to time, the project falls under Category "A", Project or Activity 1(a) as mine lease area is greater than 100 ha.

3. Environment Clearance for existing Amtipani Bauxite Mine was obtained from MoEFCC vide letter No J-11015/241/2005-IA II (M) dated 14.08.2006 under EIA notification 1994. In compliance of MoEF&CC notification dated 06th April, 2018, application for revalidation of EC for above said proposal was submitted on Parivesh web portal on 27.09.2018 under EIA Notification, 2006. Essential details sought by MoEFCC on 09.10.2018 which was met vide reply of project proponent dated 24.01.2020. Again, Essential Details Sought by MOEFCC on 13.02.2020 and reply was submitted to MoEFCC on 25.03.2020. Project considered in 16th EAC Meeting for TOR on 05.05.2020 which was not attended due to unavoidable circumstances. Project scheduled in 24th EAC Meeting agenda on 11.12.2020.

4. Project was scheduled in 16th EAC Meeting for ToR on 05.05.2020 but PP did not attend the meeting. Now the proposal was considered in 24th EAC meeting held on 11th December, 2020.

5. The project proponent submitted that Mining lease was granted in favour of M/s. Indian Aluminium Company Ltd. dated 19.08.2005. Mining lease was transferred in favour of M/s. Hindalco Industries Limited on 21.02.2006. Mining Lease was executed in favour of M/s. Hindalco Industries Limited on 13.03.2006. Supplementary lease deed executed on 27.03.2017 & validity of Mining Lease has been extended up to 12.03.2056.

6. The project proponent submitted that Mining plan was approved for capacity 1.5 lac tonne per annum dated 12-04-2005. Scheme of mining was approved by IBM

vide letter no. RAN/GML/BX/MS-20/2014-15 Dated: 11.08.2015. Modification of the approved mining plan for the enhanced capacity of 3.00 Lac tonne per annum has been approved on 22-07-2011. Current mining plan for the capacity of 3.0 lac tonne per annum valid up to 31-03-2025 which is approved on 21-10-2020.

7. The project proponent submitted that total mine area of project is 190.95 ha, out of which 190.62 ha land is agriculture Rayati land & remaining 0.33 ha is Govt land. The mine is worked by opencast mechanized mining method. The sequence of operations followed will be (a) cutting and removal of soil & morrum by Shovel dumper combination wherever present in the bench; (b) drilling of bench, using DTH drills in harder strata, (c) charging and blasting of holes, and cutting of lateritic OB & ore by Shovel dumper combination; (d) transportation of ROM to stock yard, (e) removal of OB and waste with dumper to the dump site or backfills, as the case may be. The overburden and waste will be backfilled at the worked out quarry & soil will be spread over the backfilled area as shown in the development plan. At present loading of bauxite to trucks is being done manually, however, in future mechanical loading will be done if required and sent to the railway siding for onward railment to its captive plant at Muri. Bauxite produced from this mine meet the requirement/demand of alumina in their plant situated at Muri in Jharkhand. Life of mine will be 23 years.

8. The project proponent submitted that nearest village is Amtipani village is located near the lease area. Nearest School at ~0.11 Km in North direction and Nearest State Highway is SH-9 (~2.0 km in WNW direction).

9. The project proponent submitted that total water requirement is 23 KLD. The water required for mining activity is being sourced from existing rain water harvesting pond created by the company during the course of mining. No ground water / natural water is being used for mining activity.

10. The project proponent submitted that as on date 1.20 ha area has been covered under greenbelt and 10.19 ha area to be covered. Under plantation Out of 55.46 excavated area, plantation has been done on 6.15 ha and remaining 49.31 ha reclaimed land is being returned to the Land owners for agricultural purposes.

11. The project proponent submitted that the core boundary of Mahuadanar Wolf Sanctuary is far off from the mine boundary. However, the mine site is located at 1.04 km distance from the ESZ of the Palamau Wildlife and Mahuadanar Wolf Sanctuary. The Mines is located outside the notified ESZ. Letter for the same has been obtained from PCCF/Chief Wild Life Warden, Ranchi, Govt. of Jharkhand vide letter no. 2246, dated 04.12.2019. There are twenty-five Protected Forests and nine Reserved Forests within 10 km of study area.

12. The project proponent submitted that Python, Monkey etc. are found in the surrounding area. Wild life Conservation Plan was prepared by Consultant and the same was submitted to PCCF, Wild Life, Ranchi for approval. Presentation was made before PCCF (Wild Life), Ranchi. Approval is awaiting from PCCF (Wild Life).

13. The project proponent submitted that this is a case of EC Revalidation and regular six-monthly baseline report is being submitted with half yearly compliance report to concerned Authority. Therefore, no baseline data has been collected for the instant case. Earlier the public hearing was held on 21.06.2004.

14. The project proponent submitted that no displacement of Project affected persons is involved. Hence, no resettlement is required. Land acquisition for mining activity is being/will be done as per Govt. Policy from time to time.

15. The project proponent submitted that there is no major source of emissions except emission from combustion of fuels in the Transportation Vehicles & Material Handling. Further to control the emissions regular preventive maintenance of Equipment/ Transportation Vehicles is being/ will be carried out which also helps in reducing noise. Drilling machines are being equipped with wet drilling arrangements. Controlled blasting technique has been adopted and optimum use of explosive energy helps in reducing the air pollution. The main sources of noise are operation of HEMMs etc. Proper maintenance of HEMMs helps in reducing generation of noise. PPEs like helmets, safety shoes ear plugs& ear muffs are being/ will be provided to the working professionals/people. Septic tanks & Soak pits are being/ will be provided for the disposal of waste water generated from mine office.

16. The project proponent submitted that Initial & Periodical Medical check-up of all the employees is being carried out. The main factors of occupational health in Bauxite Mine are fugitive dust & noise. Safety of employee during blasting operation and maintenance of mining equipment and handling of explosive materials are taken care of as per Mine Regulations, 1961. To avoid any adverse effects on the health of workers due to dust, heat, noise and vibration; sufficient measures have been /are being proposed in the mining project are as Relevant company health and safety policy and safety management systems, Relevant standard work procedures, Assessment of hazardous in the field, use of all types of PPE's, safe use of hand & power tools, safe practices around drill rigs & heavy equipment, Housekeeping & basic hygiene while camping, Advising companions of allergies, afflictions, Reporting safety incidents, emergency procedures, Dust suppression of haul road, First-aid facilities in the mining area etc.

17. The project proponent submitted that Post Supreme Court Judgement dated 02 August 2017 in the matter of Common Cause for Odisha State, This Mine of HIL located in State of Jharkhand received demand notice dated 12.11.17 from office of DMO asking HIL to deposit Rs 9785066/- as compensation in compliance to Supreme Court Judgement. We had not exceeded the bauxite production as claimed by DMO and therefore HIL filed Writ petition (WP No. 7320 of 2017) in respect of this Mine challenging demand in the Hon'ble High Court of Jharkhand at Ranchi and interim stay has been granted in Jan 18 vide order dated 4/12.01.2018.

18. The project proponent submitted that authenticated year wise production details since year 2008-09 to 2017-18 has been obtained from State Mines Department vide their letter No dated 27.12.2018.

19. The project proponent submitted that HIL has submitted an Affidavit to MoEF&CC that the mining would be done strictly in accordance with the statutory requirement & 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 & Ores before grant of ToR/EC.

20. The project proponent submitted that the project Cost is Rs. 12Crores. This is an existing mining project. Total manpower requirement for the mine is 154 Persons and majority are being sourced from nearby villages.

21. The proposal was considered in 24th EAC meeting held during 9-11th December, 2020. The EAC noted that previous EC compliance particularly for peripheral plantation, around the roads etc. is grossly inadequate. The project proponent must give an undertaking to comply to all EC conditions including green belt development and gap plantation along lease boundary as well as carry out plantation on dump, along avenue, haul road and on closed pits using "tall " (6 ft) seedlings within 6 months from date of grant of ToR. This compliance will be reviewed by EAC via certified imagery through NRSC, site's physical photographs, KML file and certified R.O. compliance report. This compliance must be reflected in the above mentioned submissions by project proponent. PP should present the compliance report at the time of EC appraisal. EIA report should include the cost of additional EMP (capital) recurring as well as long term EMP Monitoring costs. The Committee **recommended** the proposal for Terms of Reference under Notification S.O. 1530(E) dated 6th April 2018 for Amtipani Bauxite Mining project of Hindalco Industries Limited (HIL)with production Capacity of Bauxite 150000 TPA located at Amtipani, Chirodih & Gurdari, Taluka: Bishunpur, District: Gumla, Jharkhand.

List of members of Expert Appraisal Committee participated through VC

S.No.	Member Name	Member Address	Designation	11 th December, 2020
1	Dr. S.R. Wate	Add. 148/149, Nagar Vikas Society, Narendra Nagar, Nagpur-440015, Maharashtra	Chairman	Yes
2	Dr. Ajay Deshpande	Building A-26, Flat-403, Happy Valley Homes, Manpada, Ghodbunder Road, Thane (West) - 400610, Maharashtra	Member	Yes

3	Shri B Ramesh Kumar	H-No. 6-1-134/6, Balram Compound, Padmarao Nagar, Secundrabad-500025, Andhra Pradesh	Member	Yes
4	Prof. S. Ramakrishna Rao	50-120-9/1, Tulasi Mani Regency North Extension, Seethammadhara, Visakhapatnam - 530013 Andhra Pradesh.	Member	Yes
5	Shri Santosh Gupta	Flat No. 405, Block –B, Gaur Green Vista, NyayKhand -1, Indrapuram, Ghaziabad-201014	Member	Yes
6	Dr. (Ms.) Asha Rajvanshi	Wildlife Institute of Inida, Chandrabani, Dehradun-248001	Member	Yes
7	Shri G.P. Kundargi	Plot No. 32, MOIL Vatika, Chicholi Road, Fetri, Nagpur 441501, Maharashtra	Member	Yes
8	Dr. A.K. Malhotra	C-6, SubhavnaNiketan, Road No. 41, Pitampura, Delhi- 110034	Member	Yes
9	Dr. Gurdeep Singh	Centre of Mining Environment, Department of Environmental Science & Engg. Indian Institute of Technology (Indian School of Mines), Dhanbad-826004	Member	Yes
10	Dr. Parimal Chandra Bhattacharjee	A/3 Asiyana Housing Complex Maligaon, Guwahati-781011, Assam	Member	Yes
11	Prof. MukeshKhare	Department of Civil Engineering, IIT, Delhi	Member	No

12	Mr. V. K. Soni	Government of India, Ministry of Earth Sciences, India Meteorological Department, MausamBhawan, Lodi Road, New Delhi – 110003	Member	No
13	Sh. Pankaj Kulakshethra	Regional Controller of Mines, IBM Block D, Second Floor, Indira Bhavan, Civil Lines, Nagpur - 440001	Member	No
14	Sh. AftabAhmend	Representative of DGMS, DMS, Room No. 201-203, II Floor, B- Block, CGO-II,, Hapur Rd, Kamla Nehru Nagar, Ghaziabad, Uttar Pradesh 201002	Member	No
15.	Shri Pankaj Verma	2 nd Floor, Prithvi Block, Indira Paryawaran Bhawan, MoEF&CC, Jorbhag, New Delhi- 110003	Member Secretary-I	Yes
