



STATE ENVIRONMENT IMPACTASSESSMENT AUTHORITY(SEIAA)

:: MEGHALAYA::

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MINUTES OF THE MEETING OF THE SEIAA, MEGHALAYA

HELD ON 23rd JUNE, 2022 AT 2:00 PM,

VENUE: OFFICE CHAMBER OF THE CHAIRMAN.

Members present in the Meeting:

1. Shri T.T.C. Marak, IFS (Retd.).....Chairman, SEIAA
2. Dr. H.J. Syiemlieh, Professor, Dept. of Geography, NEHUMember, SEIAA
3. ShriW.S.Manner, IFS, CCF, SF & EMember Secy. SEIAA

Proceedings:

The Meeting was chaired by Shri T.T.C. Marak, Chairman, SEIAA. At the outset, the Chairman welcomed the Members and then invited the Member Secretary to present the Agenda points for discussion.

Agenda 1: Action taken Report - The Member Secretary informed about the action of the decisions taken in the last SEIAA's meeting held on 2nd June, 2022 and circulated the Minutes of the said meeting. The meeting approved the actions taken and confirmed the proceedings.

Agenda 2: Grant of Environmental Clearance (EC)

2.1 Proposal No.SIA/ML/MIN/270919/2022 submitted by Shri Albert Steven Diengdoh (M/S Albert Limestone Mine Block I)

The Project Proponent, Shri. Albert Steven Diengdoh submitted online application vide proposal **No.SIA/ML/MIN/270919/2022** for Environmental Clearance for Albert Limestone Mine Block-I of for an area of 3.15 hectares. The proposal for mining of limestone will be used in kilns for manufacturing of lime used as building material and hence the project fall under Schedule 1(a) of category B2 of EIA Notification 2006. The area is located at Rongdusora, South West Khasi Hills, Meghalaya and toposheet Survey of India No. 780/4 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25°12'43.8"N	91°5'34.5" E
2	25°12'38.8"N	91°5'19.9" E
3	25°12'43.8"N	91°5'19.6" E

The proposed mining area is on lease for 25 years vide Deed of Lease which was executed on 19th August 2014 and certified by the Sub-Registrar, Mawkyrwat.

The applied area is a Non Forest Land which was confirmed by the Conservator of Forest (T), Khasi and Jaintia Hills, Meghalaya, Shillong vide letter No.MFG.39/42/NFLC/MINING/MMMCR/KH/5310dated Shillong, the 24th August, 2021 and Letter of Intent confirmed by the Divisional Forest Officer, SF & Territorial Division, West & South West Khasi Hills, vide letter vide No.T/W&SW/ML/LS/21-22/174/1060 dated Nongstoin the 10th September, 2021.

The project proponent has obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, vide letter No.DMR/MM/142/2021/07 dated Shillong, the 15th December 2021 where it is mentioned that that there is no other mine lying

within 500 metres from the applied mining lease area. Hence, the Environment Management Plan is not required.

The project proponent submitted mining plan approved by the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/142/2021/01 dated Shillong, the 16th November 2021. The Mining Plan has been prepared to extract limestone at 165000MTPA with a project cost of Rs. 5.30 Lakhs and the operations will be open cast, semi-mechanized method of mining.

As per the mining plan, the mine has a Proved Mineable Reserves excluding safety barrier and UPL of 34,19,845 MT and after leaving residual benches, the Extractable Mineable Reserves come to 16,53,200 MT. The mine is targeted to produce 1,65,000 TPA of limestone. Taking 300 days as the average working days per annum, the daily production comes to around 533TPD. Hence, the anticipated life of mine will be 10.02 years, say 10 years.

Recommendation

After due screening and examination of all the documents submitted by the Project Proponent and site cross checking and deliberation by using kml file through google earth, the committee unanimously recommended for grant of Environment Clearance with the following conditions.

1. LOI ought to be renewed as the validity has expired
2. A settling Tank is to be constructed, at a suitable site within the mining area for collection of debris, sediment, silt, fragmented stones etc carried by surface water channelized through the Curtain drain. The deposited debris, spoils etc are to be removed/cleared, both from the tank and drain as and when required. Overflowing water that flows downhill shall be dispersed but precautions to be taken that spoils etc. generated from mining are not carried along.
3. Curtain Drain is to be constructed properly to intercept the surface water from flowing into the mining area and water flowing out of the mine channelized to the Settling tank.
4. If any debris etc. overflows to adjoining land/agricultural field etc. during the mining operation, Monitoring Agency is to take necessary action as per relevant section(s) of Water (Prevention & Control of Pollution) Act, 1974.
5. In annual EMP budget under GREEN BELT, creation of plantations including nursery cost, fencing etc the notified norms of Forest and Environment Department, Govt of Meghalaya is to be followed strictly, including financial cost. Budget under said head stands revised accordingly.
6. To increase the allocation for plantation and maintenance to a minimum of Rs. 1 lakh per annum and double the number of plants to be planted.
7. CER should be included in the capital cost and it should be increased to a minimum of Rs 1 lakh annually.
8. Boundary pillars with the height not less than 2.5 feet above the ground level and 1.5 feet below ground and minimum 8 inches on all face of pillar should be erected.
9. GPS coordinates of each pillars should be carved/painted clearly on the pillars with Red colour.
10. A board highlighting the name of project and project proponent, location name, total area of the mine, date of issue of EC by SEIAA and CTO & CTE by MSPCB should be installed at the entrance to the mining site and clearly visible.
11. Fencing of the boundary of site with minimum two strands of barbed wire or ordinary split bamboo fencing is to be erected all around the periphery of the approved mining area.
12. Storing and collection of water through rainwater harvesting for dust sprinkling and recharging of the aquifers.
13. The Green Belt shall be created within the 7.5 meter Safety Zone area during the first year of the project and if there are any sorts of vegetation in the said area, they shall be preserved and not damaged.

Member Secretary shall prepare the draft Environmental Clearance for this project and circulate the same to all Members of the Authority for views/comments/corrections, if any, and then after approval of the Chairman, the Member Secretary shall issue the final Environment Clearance.

2.2 Proposal No.SIA/ML/MIN/272057/2022 submitted by Shri. Donkupar Massar (M/S Borsora Block-V Limestone Mine)

The Project Proponent, Shri. Donkupar Massar submitted online application vide proposal No.SIA/ML/MIN/272057/2022 for Environmental Clearance for Borsora Block-V Limestone Mine for an area of 4.92 hectares. The proposal for mining of limestone will be used in kilns for manufacturing of lime used as building material and hence the project fall under Schedule 1(a) of category B2 of EIA Notification 2006. The area is located at Borsora, Langrin Syiemship, South West Khasi Hills, Meghalaya and toposheet Survey of India No. 780/4 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25°12'33.280"N	91°12'23.690" E
2	25°12'37.300"N	91°12'14.430" E
3	25°12'41.620"N	91°12'18.420" E
4	25°12'37.700"N	91°12'27.780" E

The proposed mining area is on lease vide Lease Agreement signed between the Syiem of Langrin and his Durbar with Rita Massar on the 19th of August, 1988 and the affidavit certified by Public Notary, East Khasi Hills, Meghalaya on the 28th May 2021 that Shri. Donkupar Massar is the son and legal heir of (L) Rita Massar and the mentioned Lease Agreement (KA SOSKULAR) dated 5th July 2013.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, SF & Territorial Division, West & South West Khasi Hills, vide letter No.T/W&SW/20/NOC (L)/1225 dated Nongstoin, the 6th October, 2021 and Letter of Intent vide No.T/W&SW/ML/LS/21-22/191/1429 dated Nongstoin the 2nd November, 2021.

The project proponent has obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, vide letter No.DMR/MM/154/2022/07 dated Shillong, the 29th April 2022 where it is mentioned that that there is no other mine lying within 500 metres from the applied mining lease area. Hence, the Environment Management Plan is not required.

The project proponent submitted mining plan approved by the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/154/2022/02 dated Shillong, the 10th February 2022. The Mining Plan has been prepared to extract limestone at 293954 MTPA with a project cost of Rs. 24.6 Lakhs and the operations will be open cast, semi-mechanized method of mining.

As per the mining plan, the mineable reserves would be 4408595 Tonnes with an average annual production of 293906(4408595/15=293906) Tonnes. The average annual production of limestone may be different from annual production of five years plan period .Thus 1468281 Tonnes of the total mineable reserve will be worked out in first five years and the rest quantity of mineable reserve i.e.(4408595-1468281)=2940314 Tonnes would be exhausted in further 10 years @ 294031 Tonnes per annum. Therefore, the life of the mine will be 15 years (five years in plan period + ten years in conceptual period).

Recommendation

After due screening and examination of all the documents submitted by the Project Proponent and site cross checking and deliberation by using kml file through google earth, the

committee unanimously recommended for grant of Environment Clearance with the following conditions.

1. LOI ought to be renewed as the validity has expired
2. A settling Tank is to be constructed, at a suitable site within the mining area for collection of debris, sediment, silt, fragmented stones etc carried by surface water channelized through the Curtain drain. The deposited debris, spoils etc are to be removed/cleared, both from the tank and drain as and when required. Overflowing water that flows downhill shall be dispersed but precautions to be taken that spoils etc. generated from mining are not carried along.
3. Curtain Drain is to be constructed properly to intercept the surface water from flowing into the mining area and water flowing out of the mine channelized to the Settling tank.
4. If any debris etc. overflows to adjoining land/agricultural field etc. during the mining operation, Monitoring Agency is to take necessary action as per relevant section(s) of Water (Prevention & Control of Pollution) Act, 1974.
5. In annual EMP budget under GREEN BELT, creation of plantations including nursery cost, fencing etc the notified norms of Forest and Environment Department, Govt of Meghalaya is to be followed strictly, including financial cost. Budget under said head stands revised accordingly.
6. To increase the allocation for plantation and maintenance to a minimum of Rs. 1 lakh per annum and double the number of plants to be planted.
7. CER should be included in the capital cost and it should be increased to a minimum of Rs 1 lakh annually.
8. Boundary pillars with the height not less than 2.5 feet above the ground level and 1.5 feet below ground and minimum 8 inches on all face of pillar should be erected.
9. GPS coordinates of each pillars should be carved/painted clearly on the pillars with Red colour.
10. A board highlighting the name of project and project proponent, location name, total area of the mine, date of issue of EC by SEIAA and CTO & CTE by MSPCB should be installed at the entrance to the mining site and clearly visible.
11. Fencing of the boundary of site with minimum two strands of barbed wire or ordinary split bamboo fencing is to be erected all around the periphery of the approved mining area.
12. Storing and collection of water through rainwater harvesting for dust sprinkling and recharging of the aquifers.
13. The Green Belt shall be created within the 7.5 meter Safety Zone area during the first year of the project and if there are any sorts of vegetation in the said area, they shall be preserved and not damaged.

Member Secretary shall prepare the draft Environmental Clearance for this project and circulate the same to all Members of the Authority for views/comments/corrections, if any, and then after approval of the Chairman, the Member Secretary shall issue the final Environment Clearance.

2.3 Proposal No.SIA/ML/MIN/50779/2020 submitted by Shri. Kermiky Dkhar. (M/S Kermiky Dkhar's Limestone Mine)

The Project Proponent, Shri. Kermiky Dkhar submitted online application for Environmental Clearance vide proposal No.SIA/ML/MIN/50779/2020 for mining of limestone for an area of 4.58 hectare. The proposal is for mining of lime stone use for making lime. The lime stone will be supplied to Lime Kilns for making lime as the lease is under Minor Mineral. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The applied area located at Wahllathma, Lumshnong, East Jaintia Hills District, Meghalaya and within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25°09'50.3"	92°22'02.0"
2	25°09'49.7"	92°22'01.8"
3	25°09'49.5"	92°22'01.7"
4	25°09'49.3"	92°22'01.6"
5	25°09'48.7"	92°22'01.4"
6	25°09'48.3"	92°22'01.5"
7	25°09'47.8"	92°22'01.4"
8	25°09'45.9"	92°22'00.7"
9	25°09'45.1"	92°21'59.8"
10	25°09'44.8"	92°21'59.7"
11	25°09'44.6"	92°21'59.3"
12	25°09'44.3"	92°21'58.7"
13	25°09'43.0"	92°21'58.7"
14	25°09'42.6"	92°21'59.5"
15	25°09'42.4"	92°21'59.6"
16	25°09'42.2"	92°21'59.7"
17	25°09'41.8"	92°21'59.2"
18	25°09'39.7"	92°21'58.0"
19	25°09'39.6"	92°21'56.5"
20	25°09'39.7"	92°21'55.5"
21	25°09'40.1"	92°21'54.6"
22	25°09'41.0"	92°21'54.5"
23	25°09'41.7"	92°21'52.3"
24	25°09'43.3"	92°21'52.5"
25	25°09'45.1"	92°21'54.6"
26	25°09'46.0"	92°21'56.4"
27	25°09'46.9"	92°21'57.2"
28	25°09'48.6"	92°21'57.2"
29	25°09'49.3"	92°21'57.4"
30	25°09'50.1"	92°21'57.0"
31	25°09'50.43"	92°21'57.18"
32	25°09'50.4"	92°21'58.1"
33	25°09'50.7"	92°22'00.0"

The project proponent submitted that the Period of Mining Lease is of 20 years vide Lease Deed dated 24th July 2013 with a project cost of Rs 23 Lakhs. The mineable reserves of limestone are of the order of 3200000 tons with the target production of 1000350 tons in 5 years. The balance reserve is $3200000 - 1000350 = 2199650$ tones with production target of 200070 tones. The balance reserves will sufficient for $2199650/200070 = 10.99$ years. Thus the total life of the mine is $5 + 10.99 = 15.99$ say 16 years.

Limestone in the Mine area is to be excavated by conventional method of opencast mining through the formation of safe benches which will be semi mechanized and on single shift basis. Benches are to be formed and worked in a top to downward manner. Because of presence of hard rock mass, drilling for blasting is to be performed for loosening of the rock mass. The rock will be mostly excavated and broken by hydraulic excavators and rock breakers respectively.

The proposed mining area is a Non Forest Land which was confirmed by the Divisional Forest Officer, Jaintia Hills Territorial Division, Jowai vide letter No.JH/S.Quary/2009-

10/476/B/1737 dated Jowai the 19th June 2019 and letter of intent vide letter No.JH/MMMCR-2016/2016-17/869/B/2009 dated Jowai 30th July 2019 which subsequently renewed vide letter No.JH/MMMCR-2016/2016-17/869/B/2126 dated Jowai, the 30th January 2020.

The project proponent has obtained a cluster certificate from the office of the Divisional Mining Officer, Directorate of Mineral Resources, Meghalaya, Jowai vide letter No.DMO-J/23/MM/Mining Plan/2019/34 dated Jowai, the 19th September 2019 where it is mention that two approved mining plan are located within 500 metres. Hence the applied mining area fall under cluster category with a total area of 12.053 hectare and as per Ministry of Environment, Forest and Climate Change Notification No. S.O.3977(E) dated New Delhi, the 14th August 2018 in appendix – XI, the project fall under category B2. Hence, the project proponent need to prepare for Environment Management Plan.

The project already awarded Term of Reference by the State Environment Impact Assessment Authority, Meghalaya vide letter No.ML/SEIAA/MIN/EKH/P-59/2020/1376 dated 29th June 2020 and submitted the final EIA/EMP for the proposed Mining of Lime stone where the project proponent complied all the points in compliance to the Term of Reference prepared by Enviro Infra Solutions PVT. LTD.

The public hearing was held on 25th March 2022 conducted by the Meghalaya State Pollution Control Board presided by Shri. S.S Syiemlieh, the Addl. District Magistrate, East Jaintia Hills District.

Recommendation

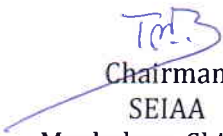
After due screening and examination of all the documents submitted by the Project Proponent and site cross checking and deliberation by using kml file through google earth, and presentation of the EIA/EMP, the committee unanimously recommended for grant of Environment Clearance with the following conditions.

1. LOI ought to be renewed as the validity has expired
2. A settling Tank is to be constructed, at a suitable site within the mining area for collection of debris, sediment, silt, fragmented stones etc carried by surface water channelized through the Curtain drain. The deposited debris, spoils etc are to be removed/cleared, both from the tank and drain as and when required. Overflowing water that flows downhill shall be dispersed but precautions to be taken that spoils etc. generated from mining are not carried along.
3. Curtain Drain is to be constructed properly to intercept the surface water from flowing into the mining area and water flowing out of the mine channelized to the Settling tank.
4. If any debris etc. overflows to adjoining land/agricultural field etc. during the mining operation, Monitoring Agency is to take necessary action as per relevant section(s) of Water (Prevention & Control of Pollution) Act, 1974.
5. In annual EMP budget under GREEN BELT, creation of plantations including nursery cost, fencing etc the notified norms of Forest and Environment Department, Govt of Meghalaya is to be followed strictly, including financial cost. Budget under said head stands revised accordingly.
6. To increase the allocation for plantation and maintenance to a minimum of Rs. 1 lakh per annum and double the number of plants. Planting of nurseries plant should start simultaneously with the commencement of the project.
7. CER should be included in the capital cost and it should be increased to a minimum of Rs 1 lakh annually.
8. Boundary pillars with the height not less than 2.5 feet above the ground level and 1.5 feet below ground and minimum 8 inches on all face of pillar should be erected.
9. GPS coordinates of each pillar should be carved/painted clearly on the pillars with Red colour.

10. A board highlighting the name of project and project proponent, location name, total area of the mine, date of issue of EC by SEIAA and CTO & CTE by MSPCB should be installed at the entrance to the mining site and clearly visible.
11. Fencing of the boundary of site with minimum two strands of barbed wire or ordinary split bamboo fencing is to be erected all around the periphery of the approved mining area.
12. Storing and collection of water through rainwater harvesting for dust sprinkling and recharging of the aquifers.

Member Secretary shall prepare the draft Environmental Clearance for this project and circulate the same to all Members of the Authority for views/comments/corrections, if any, and then after approval of the Chairman, the Member Secretary shall issue the final Environment Clearance.

The meeting ended with a vote of thanks from the Chairman.



Chairman
SEIAA
Meghalaya, Shillong.

Memo. No. ML/SEIAA/Meeting/ Vol.IV/53/2021

Dated Shillong the June' 2022

Copy to :

- 1) Member, SEIAA, Meghalaya, Shillong for information.
- 2) File concern for record


Member Secretary
SEIAA
Meghalaya, Shillong