



STATE ENVIRONMENT IMPACTASSESSMENT AUTHORITY(SEIAA)

:: MEGHALAYA::

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MINUTES OF THE MEETING OF THE SEIAA, MEGHALAYA

HELD ON 20th SEPTEMBER 2022 AT 2:00 p.m

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. Shri. W.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 30th August 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/243012/2021 submitted by Shri. Ramcheng N. Sangma (M/s Batabari Brick Earth Mine)

The Project Proponent, Shri. Ramcheng N. Sangma, submitted online application for Environmental Clearance for Batabari Brick Earth Mine vide proposal No.SIA/ML/MIN/243012/2021 for mining of brick earth for an area of 0.8 hectare. The proposal for mining of brick earth is for preparation of adobe bricks. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The mining lease area is located at Chengkali village, Batabari, PO: Kapasipara, PS: Gasuapara, South Garo Hills District, Meghalaya and toposheet Survey of India No.78 K/8 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 9' 31.64"N	90° 28' 6.39"E
2	25° 9' 31.47"N	90° 28' 9.89"E
3	25° 9' 31.08"N	90° 28' 14.22"E
4	25° 9' 30.11"N	90° 28' 13.70"E
5	25° 9' 29.85"N	90° 28' 12.95"E
6	25° 9' 30.06"N	90° 28' 11.11"E
7	25° 9' 30.36"N	90° 28' 9.24"E
8	25° 9' 30.54"N	90° 28' 8.04"E
9	25° 9' 30.55"N	90° 28' 7.07"E
10	25° 9' 30.96"N	90° 28' 5.81"E

The proposed mining area is on lease for a period of 20 years vide Deed of Lease Agreement executed on the 22nd day of February 2021 certified by Public Notary, West Garo Hills District, Tura.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, Social Forestry and Territorial Division, South Garo Hills, Baghmara vide letter No. SGH/SF&T/901, dated Baghmara, the 22nd July 2020 and Letter of Intent vide letter SGH/SF&T/90/1239, dated Baghmara, the 29th September 2020.

The Project Proponent also obtained the 'No Objection Certificate' issued by the District Agricultural Officer, South Garo Hills, Baghmara vide letter No. AGRI/SGH/NOC/2022-23/683 dated Baghmara, the 1st July 2022.

The project proponent obtained a cluster certificate from the Divisional Mining Officer, East Garo Hills, Williamnagar vide letter No. DMO-W/MP/15/2019/145 dated Williamnagar, the 8th October, 2021 which states that there is no approved mine lying within 500 metres from the applied mining lease area.

The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Divisional Mining Officer, East Garo Hills District, Meghalaya, vide letter No. DMO-W/MP/72/2021/138, dated Williamnagar, the 29th September 2021. The Mining Plan has been prepared to extract brick earth at an average annual production of 1769.6 Cubic metres per annum with a project cost of Rs.19.38 lakh and the operations will be open cast, semi-mechanized method of mining.

As per the Mining Plan, the total life of the mine is 5 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. GPS coordinates of each pillar should be carved/painted clearly on the pillars with Red colour.
3. Curtain drains to be constructed to intercept the surface water runoff, if any, including debris etc. overflowing to the 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.
4. 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.
5. 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/272993/2022 submitted by Shri. Albert Steven Diengdoh (M/S Albert Limestone Mine Block II)

The Project Proponent, Shri Albert Steven Diengdoh submitted online application vide proposal No.SIA/ML/MIN/272993/2022 for Environmental Clearance for Albert Limestone Mine Block II for an area of 4.73 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. 78 O/4 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25°12'05.74"N	91°5'43.48" E
2	25°12'08.31"N	91°5'38.19" E
3	25°12'10.60"N	91°5'43.50" E
4	25°12'10.80"N	91°5'49.30" E
5	25°12'07.00"N	91°5'55.70" E

The proposed land is on lease for 25 years which was executed on 19th August 2014 and certified by the Sub-Registrar, Mawkyrwat, South West Khasi Hills District.

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/Pt.1/5650 dated Shillong, the 1st September, 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/21-22/175/1061dated 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/143/2021/07 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/143/2021/02 dated Shillong, the 16th November 2021. The Mining Plan has been prepared to extract limestone at 400000 MTPA with a project cost of Rs. 10.0 Lakhs and the operations will be open cast, semi-mechanized method of mining.

As per the mining plan, the mine has a Total Mineable Reserves excluding safety barrier and UPL of 62, 32,891 MT and after leaving residual benches, the Extractable Mineable Reserves come to 39,68,146 MT. The mine is targeted to produce 4, 00,000 TPA of limestone. Taking 300 days as the average working days per annum, the daily production comes to around 1,333 TPD. Hence, the anticipated life of mine will be 9.92 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. A retaining wall of adequate height is to be constructed in the area designated within mining area for stacking of Over Burden (OB) to ensure that no spillage of OB materials is possible beyond mining site.
4. Garland drains is to be constructed along the periphery of the mining lease boundary to capture the storm water run-off from the mining area, all drains will link to a settling tank with compartments to check and arrest siltation in the mine water prior to discharge.
5. 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.
6. 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.
7. 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.
8. 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.
9. CER should be included in the capital cost and it should be increased to a minimum of Rs 1.50 lakh annually.
10. 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.
11. GPS coordinates of each pillar should be carved/painted clearly on the pillars with Red colour.
12. 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.
13. 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.
14. Storing and collection of water through rainwater harvesting for dust sprinkling and recharging of the aquifers.
15. 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/78399/2020 submitted by Smt. Pri-Io Buam

The Project Proponent, Smt. Pri-Io Buam submitted an online application vide proposal No.SIA/ML/MIN/78399/2020 for Environmental Clearance for mining Limestone for an area of 4.00 hectares. The proposal is for mining of lime stone to be used for construction purposes. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The mining lease area is located at Amkroh Amshlai, Lad Amtapoh, Elaka Nongtalang, West Jaintia Hills District, Meghalaya and toposheet Survey of India No.83 C/4 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 14'48.800"N	92° 5'58.000"E
2	25° 14'47.010"N	92° 5'57.000"E
3	25° 14'46.300"N	92° 5'54.000"E
4	25° 14'44.200"N	92° 5'52.400"E
5	25° 14'52.600"N	92° 5'55.300"E
6	25° 14'56.790"N	92° 5'58.150"E
7	25° 14'55.453"N	92° 6'2.925"E
8	25° 14'51.731"N	92° 6'0.093"E

The proposed land is on lease for a period of 20 years which was executed on the 9th July 2018 and certified by Sub-registrar, Amlarem Civil Sub Division, West Jaintia Hills District, Meghalaya.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, Jaintia Hills Territorial Division, Jowai vide letter No.JH/S.Quarry/2009-10/476/B/2662, dated Jowai, the 29th March 2019 and letter of Intent vide letter No.JH/MMMCR-2016/2016-17/869/B/1437 dated Jowai, the 17th May 2019 respectively.

The project proponent obtained a cluster certificate from the Divisional Mining Officer, Directorate of Mineral Resources, Government of Meghalaya, vide letter No.DMO-J/27/MM/Mining Plan/2019-2020/124 dated Jowai, the 8th October 2020 which states that there are two (2) approved mining plan lying within 500 metres from the applied mining lease area. Hence the applied mining area falls under cluster category since the total area of total three mines is summed up to 13.4 hectares.

The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Divisional Mining Officer, Directorate of Mineral Resources, Government of Meghalaya vide letter No.DMO-J/27/MM/Mining Plan/2019/43 dated Jowai, the 28th November 2019. The Mining Plan has been prepared to extract lime stone at the rate of 2,00,070 TPA with a project cost of Rs.23.55 lakhs and the operations will be open cast, semi-mechanized method of mining.

The mineable reserves of limestone are of the order of 32, 52,920 tonnes. The production in the period of the mining plan will be around 9, 00,950 tonnes in 5 years. Therefore, the balance reserves will be $(32, 52,920 - 9, 00,950) = 23, 51,970$ tonnes. If the production target is 2, 00,070 tonnes, the balance reserve will be sufficient for $(23, 51,970 / 2, 00,070) = 11.75$ years. Thus, the total life of the mine is $5 + 11.75 = 16.75$ or say 17 years.

The project was already awarded Term of Reference by the State Environment Impact Assessment Authority, Meghalaya vide letter No.ML/SEIAA/MIN/WJH/P-116/2020/4/1777 dated 25th February 2021 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 GEOGREEN ENVIRO HOUSE PVT. LTD.

The public hearing was held on 6th November 2021 which was conducted by the Meghalaya State Pollution Control Board and presided over by Shri. A. S. Mukhim, MCS, ADC, West Jaintia Hills District.

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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. Blasting shall not be carried out in the lease area for safety reasons.
3. The Project Proponent has to construct a retaining wall of 5 or 6 feet height covering all along the slope and spill ways along the periphery to ensure that no run off to the nearby agricultural land takes place.
4. Garland drains is to be constructed along the periphery of the mining lease boundary to capture the storm water run-off from the mining area, all drains will link to a settling tank with compartments to check and arrest siltation in the mine water prior to discharge.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. CER should be included in the capital cost and it should be increased to a minimum of Rs 1 lakh annually.
11. The project proponent erected only four pillars out of eleven. However, the boundary pillars should be erected 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.
12. GPS coordinates of each pillar should be carved/painted clearly on the pillars with Red colour.
13. 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.
14. 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.
15. Storing and collection of water through rainwater harvesting for dust sprinkling and recharging of the aquifers.
16. 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.

2.4 Proposal No.SIA/ML/MIN/78975/2021 submitted by Shri Challenge Rajee (M/S Tyngwai Limestone Mine)


The Project Proponent, Shri Challenge Rajee submitted online application vide proposal No.SIA/ML/MIN/78975/2021 for Environmental Clearance for Tyngwai Limestone Mine for mining of Lime stone for an area of 2.00 hectares. The proposal is for mining of lime stone to be used in kilns for construction purposes. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The mining lease area is located at Tyngwai area, Tyngwai Bah, Sohbar Sirdarship, East Khasi Hills District, Meghalaya and toposheet Survey of India No.78 O/12 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 10'36.54"N	91° 43'30.92"E
2	25° 10'34.42"N	91° 43'27.94"E
3	25° 10'45.09"N	91° 43'27.56"E
4	25° 10'45.09"N	91° 43'28.83"E
5	25° 10'44.03"N	91° 43'28.60"E
6	25° 10'44.17"N	91° 43'29.50"E

The proposed mining area is on lease for a period of 30 years vide Deed of Lease Agreement made on the 20th September 2019 certified by Sub-Registrar, Sohra.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, East Khasi Hills & Ri Bhoi, Territorial Division, Shillong after the approval of the Conservator of Forests (T), Khasi & Jaintia Hills, Meghalaya, Shillong vide letter Memo.No.MFG.68/20/EKH/l/16813 dated Shillong, the 3rd February, 2021 and letter of Intent vide letter No.KH/8/ML/Limestone/68/5244, dated Shillong, the 10th February, 2021 respectively.

The project proponent obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/112/2021/07 dated Shillong, the 15th July 2021 which states that there are four (4) approved mining plan lying within 500 meters from the applied mining lease area. Hence the applied mining area falls under cluster category since the total area of five mines is summed up to 6.0592 hectares.

 The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/112/2021/03 dated Shillong, the 4th May 2021. The Mining Plan has been prepared to extract lime stone at the rate of 80,325 TPA with a project cost of Rs.22.00 lakhs and the operations will be open cast, semi-mechanized method of mining.

As per the mining plan, the mineable reserve is of the order of 21, 50, 000 tonnes and the production in the period of the mining plan will be around 4, 01,625 in 5 years. The balance reserves will be (21, 50,000 - 4, 01,625) or 17, 48,375 MT. If the annual production is 80,325 MT, the balance reserves will sufficient for 17, 48,375/80325 or 21.76 years. Thus total life of the mine is 5+21.76 Or 26.75 or say 27 years.

The project was already awarded Term of Reference by the State Environment Impact Assessment Authority, Meghalaya vide letter No.ML/SEIAA/MIN/EKH/P-179/2021/814 dated 6th October 2021 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 Gaurang Environmental Solutions Pvt. Ltd.

The public hearing was held on 11th January 2022 which was conducted by the Meghalaya State Pollution Control Board and presided over by Smt. D. Phawa, MCS, ADC, East Khasi Hills District and Chairperson, EPH.

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. A retaining wall of adequate height is to be constructed in the area designated within mining area for stacking of Over Burden (OB) to ensure that no spillage of OB materials is possible beyond mining site.
4. Garland drains is to be constructed along the periphery of the mining lease boundary to capture the storm water run-off from the mining area, all drains will link to a settling tank with compartments to check and arrest siltation in the mine water prior to discharge.
5. 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.
6. 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.
7. 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.
8. 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.
9. CER should be included in the capital cost and it should be increased to a minimum of Rs 1.50 lakh annually.
10. 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.
11. GPS coordinates of each pillar should be carved/painted clearly on the pillars with Red colour.
12. 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.
13. 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.
14. Storing and collection of water through rainwater harvesting for dust sprinkling and recharging of the aquifers.
15. 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.

2.5 Proposal No.SIA/ML/MIN/282861/2022 submitted by Smti. Dron Dohling (M/s Ri Laingut Limestone Mine)

The Project Proponent, Smti. Dron Dohling, submitted online application vide proposal No.SIA/ML/MIN/282861/2022 for Environmental Clearance for mining of Lime stone for an area of 1.40 hectare. The proposal is for mining of lime stone to be used in kilns for manufacture of lime used as building materials. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The mining lease area is located at Ri Laingut, Lynti Dkhar Area, Sohbar Sirdarship, East Khasi Hills District, Meghalaya and toposheet Survey of India No.780/12 & 78 O/16 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 11'14.975'N	91° 45'00.292'E
2	25° 11'16.944'N	91° 45'01.778'E
3	25° 11'20.089'N	91° 44'56.064'E
4	25° 11'17.848'N	91° 44'54.782'E

The proposed land measuring belongs to the project proponent vide deed of declaration made on 9th June 2016 and certified by Sub-Registrar, Sohra.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer East Khasi Hills & Ri Bhoi Territorial Division, Shillong vide letter No.KH/8/NOC/Limestone/41/Pt.IV/156, dated Shillong, the 18th May 2020 and letter of Intent vide letter No.KH/8/ML/Limestone/68/169 dated Shillong, the 18th May 2019.

The project proponent obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Government of Meghalaya, vide letter No.DMR/MM/83/2020/10 dated Shillong, the 8th September, 2020 which states that there are eight approved mining plan lying within 500 metres from the applied mining lease area. Hence the applied mining area falls under cluster category since the total area of total nine mines is summed up to 21.4115 hectares.

The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Mining Engineer, Directorate of Mineral Resources, Government of Meghalaya vide letter No.DMR/MM/83/2020/02 dated Shillong, the 12th June 2020. The Mining Plan has been prepared to extract lime stone at the rate of 32643 TPA with a project cost of Rs.29.08 and the operations will be open cast, semi-mechanized method of mining.

The mineable reserves of limestone would be 653972 tonnes with an average annual production of 32699(653972/20= 32699) tonnes. The average annual production of limestone may be different from annual production of five years plan period. Thus 162677 tonnes of the total mineable reserves will be worked in first five years and the balance mineable reserve i.e., 491295 tonnes will be mined out in subsequent 15 years @ 32753 tonnes per year. Therefore, the life of the mine will be 20 years, five years in plan period and fifteen years in conceptual period.

The project already awarded Term of Reference by the State Environment Impact Assessment Authority, Meghalaya vide letter No.ML/SEIAA/MIN/EKH/P-96/2020/15/1397 dated 8th January 2021 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 CHAITANYA PROJECTS CONSULTANCY PVT. LTD.

The public hearing was held on 17th December 2021 which was conducted by the Meghalaya State Pollution Control Board and presided over by Smt.D.Phawa, MCS, ADC, East Khasi Hills District and Chairperson, EPH.

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. A retaining wall of adequate height is to be constructed in the area designated within mining area for stacking of Over Burden (OB) to ensure that no spillage of OB materials is possible beyond mining site.
4. Garland drains is to be constructed along the periphery of the mining lease boundary to capture the storm water run-off from the mining area, all drains will link to a settling tank with compartments to check and arrest siltation in the mine water prior to discharge.
5. 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.
6. 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.
7. 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.
8. 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.
9. CER should be included in the capital cost and it should be increased to a minimum of Rs 1.50 lakh annually.
10. 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.
11. GPS coordinates of each pillar should be carved/painted clearly on the pillars with Red colour.
12. 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.
13. 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.
14. Storing and collection of water through rainwater harvesting for dust sprinkling and recharging of the aquifers.
15. 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.

TC-3

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.


2.6 Proposal No.SIA/ML/MIN/280990/2022 submitted by Shri. Tamdor Sing Nadon (M/s Tyngwai Bah Limestone Mine).

The Project Proponent, Shri. Tamdor Sing Nadon submitted online application for Term of Reference vide proposal No.SIA/ML/MIN/280990/2022 for Environmental Clearance for Tyngwai Bah Limestone Mine for mining of Lime stone for an area of 1.18 hectare. The proposal is for mining of lime stone to be used in kilns for construction purposes. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The mining lease area is located at Tyngwai Bah, Sohbar village, Elaka Sohbar Sirdarship, East Khasi Hills District, Meghalaya and toposheet Survey of India No.780/12 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 10'37.48"N	91° 43'37.94"E
2	25° 10'37.38"N	91° 43'36.02"E
3	25° 10'40.98"N	91° 43'35.69"E
4	25° 10'44.30"N	91° 43'36.40"E
5	25° 10'44.49"N	91° 43'37.95"E

The proposed mining area is on lease for a period of 30 years vide Lease Deed made on the 8th day of July 2019 certified by Sub-Registrar, Sohra, East Khasi Hills District, Meghalaya.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, East Khasi Hills & Ri-Bhoi (T) Division, Shillong vide letter No.KH/8/NOC/Limestone/41/Pt.IV/2099 dated Shillong, the 6th August, 2021 and letter of Intent vide letter No.KH/8/ML/Limestone/68/2098, dated Shillong, the 6th August, 2021 respectively.

The project proponent obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, vide letter No.DMR/MM/137/2021/07 dated Shillong, the 19th October 2021 which states that there are five (5) approved mining plan lying within 500 metres from the applied mining lease area. Hence the applied mining area falls under cluster category since the total area of six mines is summed up to 7.24hectares.

The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/137/2021/2 dated Shillong, the 28th September 2021. The Mining Plan has been prepared to extract lime stone at the rate of 25,027 TPA with a project cost of Rs.21.00 lakhs and the operations will be open cast, semi-mechanized method of mining.

As per the mining plan, the mineable reserve would be 250266 Tonnes with an average annual production of 25027 (250266/10=25027) Tonnes. The average annual production of limestone may be different from annual production of five years plan period. Thus 125742 Tonnes of the total mineable reserve will be worked out in first 5 years and the rest quantity of mineable reserve i.e. (250266-125742) = 124524 Tonnes would be worked out in further 5 years @24905 Tonnes. Therefore, the life of the mine will be 10 years (five years in plan period + five years in conceptual period).

The project already awarded Term of Reference by the State Environment Impact Assessment Authority, Meghalaya vide letter No.ML/SEIAA/MIN/EKH/P-211/2021/1212 dated 26th November 2021 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 CHAITANYA PROJECTS CONSULTANCY PVT. LTD.

The public hearing was held on 8th April 2022 which was conducted by the Meghalaya State Pollution Control Board and presided over by Smt. D. Phawa, MCS, ADC, East Khasi Hills District and Chairperson, E.P.H.

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. A retaining wall of adequate height is to be constructed in the area designated within mining area for stacking of Over Burden (OB) to ensure that no spillage of OB materials is possible beyond mining site.
4. Garland drains is to be constructed along the periphery of the mining lease boundary to capture the storm water run-off from the mining area, all drains will link to a settling tank with compartments to check and arrest siltation in the mine water prior to discharge.
5. 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.
6. 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.
7. 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.
8. 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.
9. CER should be included in the capital cost and it should be increased to a minimum of Rs 1.50 lakh annually.
10. 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.
11. GPS coordinates of each pillars should be carved/painted clearly on the pillars with Red colour.
12. 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.
13. 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.

TCTB

14. Storing and collection of water through rainwater harvesting for dust sprinkling and recharging of the aquifers.
15. 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.

2.7 Proposal No.SIA/ML/MIN/281089/2022 submitted by Smti. Keepcymerial Tymmennieng (M/s Ruieng Limestone Mine).

The Project Proponent, Smti. Keepcymerial Tymmennieng submitted online application for Environmental Clearance vide proposal No.SIA/ML/MIN/281089/2022 for Ruieng Limestone Mine for mining of Lime stone for an area of 2.80 hectares. The proposal is for mining of lime stone to be used in kilns for manufacturing of lime used as building materials. The project falls under Schedule 1(a) of category B1 of EIA Notification 2006. The mining lease area is located at Ruieng, Lynti Dkhar Area, Sohbar Sirdarship, BPO Sohbar, East Khasi Hills District, Meghalaya and toposheet Survey of India No.78 O/12 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 11'4.91"N	91° 44'52.93"E
2	25° 11'5.87"N	91° 44'52.99"E
3	25° 11'6.46"N	91° 44'52.45"E
4	25° 11'6.82"N	91° 44'52.52"E
5	25° 11'8.95"N	91° 44'49.29"E
6	25° 11'8.78"N	91° 44'48.93"E
7	25° 11'9.88"N	91° 44'47.77"E
8	25° 11'9.71"N	91° 44'46.96"E
9	25° 11'8.88"N	91° 44'46.36"E
10	25° 11'7.77"N	91° 44'45.21"E
11	25° 11'6.77"N	91° 44'43.49"E
12	25° 11'6.07"N	91° 44'42.90"E
13	25° 11'5.40"N	91° 44'42.81"E
14	25° 11'4.87"N	91° 44'43.06"E

The proposed mining area is on lease for a period of 30 years vide Lease Agreement made on the 21st day of June 2019 certified by Notary, East Khasi Hills District, Meghalaya.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, East Khasi Hills & Ri-Bhoi (T) Division, Shillong vide letter No.KH/8/NOC/Limestone/41/Pt.IV/5088 dated Shillong, the 1st February, 2021 and letter of Intent vide letter No.KH/8/ML/Limestone/68/5103, dated Shillong, the 1st February, 2021 respectively.

The project proponent obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, vide letter No.DMR/MM/121/2021/08 dated Shillong, the 4th August 2021 which states that there are twelve (12) approved mining plan lying within 500 metres from the applied mining lease area. Hence the applied mining area falls under cluster category since the total area of thirteen mines is summed up to 28.1715hectares.

The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/121/2021/03 dated Shillong, the 02nd July 2021. The Mining Plan has been prepared to extract lime stone at the rate of 1,04,639 TPA with a project cost of Rs.28.8 lakhs and the operations will be open cast, semi-mechanized method of mining.

As per the mining plan, the mineable reserve would be 1046385 Tonnes with an average annual production of 104639 (1046385/10=104639) Tonnes. The average annual production of limestone may be different from annual production of five years plan period. Thus 523180 Tonnes of the total mineable reserve will be worked out in first 5 years and the rest quantity of mineable reserve i.e. (1046385-523180) = 523205 Tonnes would be worked out in further 5 years. Therefore, the life of the mine will be 10 years (five years in plan period + five years in conceptual period).

The project already awarded Term of Reference by the State Environment Impact Assessment Authority, Meghalaya vide letter No.ML/SEIAA/MIN/EKH/P-193/2021/1190 dated 26th November 2021 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 CHAITANYA PROJECTS CONSULTANCY PVT. LTD.

The public hearing was held on 8th April 2022 which was conducted by the Meghalaya State Pollution Control Board and presided over by Smt. D. Phawa, MCS, ADC, East Khasi Hills District and Chairperson, E.P.H.

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.

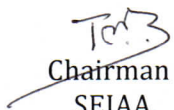
1. LOI ought to be renewed as the validity has expired
2. A settling Tank is to be constructed, at a suitable site within the mining area for collection of debris, sediment, silt, fragmented stones etc carried by surface water channelized through the Curtain drain. The deposited debris, spoils etc are 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. A retaining wall of adequate height is to be constructed in the area designated within mining area for stacking of Over Burden (OB) to ensure that no spillage of OB materials is possible beyond mining site.
4. Garland drains is to be constructed along the periphery of the mining lease boundary to capture the storm water run-off from the mining area, all drains will link to a settling tank with compartments to check and arrest siltation in the mine water prior to discharge.
5. 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.
6. 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.
7. 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.

T.C.B

8. 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.
9. CER should be included in the capital cost and it should be increased to a minimum of Rs 1.50 lakh annually.
10. 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.
11. GPS coordinates of each pillar should be carved/painted clearly on the pillars with Red colour.
12. 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.
13. 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.
14. Storing and collection of water through rainwater harvesting for dust sprinkling and recharging of the aquifers.
15. 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.

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 Sept' 2022

Copy to :

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


Member Secretary
SEIAA,
Meghalaya, Shillong.