



STATE ENVIRONMENT IMPACTASSESSMENT AUTHORITY(SEIAA)

:: MEGHALAYA::

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MINUTES OF THE MEETING OF THE SEIAA, MEGHALAYA

HELD ON 21st NOVEMBER 2022 AT 12:00 noon

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 19th October 2022 and circulated the Minutes of the said meeting. The meeting approved the actions taken and confirmed the proceedings.

Agenda 2: Grant of Term of Reference (ToR)

2.1 Proposal No. SIA/ML/MIN/76453/2022 submitted by Shri. Kitbok Kharsyntiew (M/s Sohdoit U Lum Limestone Mine).

The Project Proponent, Shri. Kitbok Kharsyntiew submitted an online application for Term of Reference vide proposal No.SIA/ML/MIN/76453/2022 for Sohdoit U Lum Limestone Mine for mining of Lime stone for an area of 4.80 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 B2 of EIA Notification 2006. The mining lease area is located at Sohdoit U Lum, Mawlong 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°11'10.1"N	91°41'38.9" E
2	25°11'09.0"N	91°41'39.2" E
3	25°11'08.8"N	91°41'37.6" E
4	25°11'05.4"N	91°41'36.3" E
5	25°11'06.0"N	91°41'27.2" E
6	25°11'12.3"N	91°41'31.2" E

The proposed mining area is on lease for 25 years vide Lease Agreement made on the 3rd December 2019 certified by the Public 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 vide letter No.KH/8/NOC/Limestone/41/Pt.IV/5341, dated Shillong, the 11th February 2021 and Letter of Intent vide letter No.KH/8/ML/Limestone/68/5419 dated Shillong, the 18th February 2020 respectively.

The project proponent obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/150/2021/08 dated Shillong, the 25th January 2022 which states that there are three (3) approved mining plans lying within 500 metres from

the applied mining lease area. Hence the applied mining area falls under cluster category since the total area of these four mines is summed up to 11.043 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/150/2021/4 dated Shillong, the 20th December 2021. The Mining Plan has been prepared to extract lime stone at the rate of 120150 TPA with a project cost of Rs. 21.50 lakhs and the operations will be open cast, semi-mechanized method of mining.

The mineable reserve is of the order of 3929380 tonnes. The production in the period of this mining plan will be around 600750 tonnes in 5 years. Balance reserves will be 3929380-600750=3328630. If the yearly production target is 120150 tonnes, then the balance reserves will sufficient for $3328630/120150 = 27.70$ years. Thus, the total life of the mine is $5+27.70 = 32.70$ or say 33 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 standard Terms of Reference (ToR) with the following additional conditions:

1. LOI ought to be renewed as the validity has expired.
2. Site photographs together with photographs and other related details of site visits by resource persons of NABET accredited consultant of project proponent, with their names and profession/designation, together with date(s) of visit, date(s) of data collection including names of instrument/machine actually used in the field, during preparation of EIA report, is to be clearly highlighted in the EIA/EMP report.

Member Secretary shall prepare the draft Term of Reference 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 Term of Reference.

2.2 Proposal No. SIA/ML/MIN/82903/2022 submitted by Shri. Philossopher ĩawphniaw (M/s Khonjoy Limestone Mine).

The Project Proponent, Shri. Philossopher ĩawphniaw submitted an online application for Term of Reference vide proposal No.SIA/ML/MIN/82903/2022 for Khonjoy 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 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 Khonjoy Bagli, South West Khasi Hills District, Meghalaya and toposheet Survey of India No.78 O/4 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25°12'32.01"N	91°4'1.64" E
2	25°12'38.35"N	91°4'3.67" E
3	25°12'40.11"N	91°4'0.67" E
4	25°12'33.27"N	91°3'58.57" E

The proposed mining area is on lease for a period of 50 years vide Deed of Lease made on the 17th day of April 2015 certified by the Sub-Registrar, Mawkyrwat, South West Khasi Hills District, Meghalaya.

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)/1545 dated Nongstoin, the 19th November, 2021 and Letter of Intent vide No.T/W&SW/20-21/LS/ML/148/199 dated Nongstoin the 17th February, 2022 respectively.

The project proponent has obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, vide letter No.DMR/MM/164/2022/07 dated Shillong, the 8th July 2022 where it is mentioned that there are ten (10) approved mining plans lying within 500 metres from the applied mining lease area. Hence the applied mining area falls under cluster category since the total area of three mines is summed up to 30.78 hectares.

The project proponent submitted mining plan approved by the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/164/2022/02 dated Shillong, the 30th May 2022. The Mining Plan has been prepared to extract limestone at 59114 Tonnes with a project cost of Rs. 24.00 Lakhs and the operations will be open cast, semi-mechanized method of mining.

As per the mining plan, the mineable reserves would be 1180978 Tonnes with an average annual production of 59049 (1180978/20=59049) Tonnes. The average annual production of limestone may be different from annual production of five years plan period. Thus 295119 Tonnes of the total mineable reserve will be worked out in first five years and the rest quantity of mineable reserve i.e.(1180978-295119)=885859 Tonnes would be exhausted in further 15 years @ 59057 Tonnes. Therefore, the life of the mine will be 20 years (five years in plan period + fifteen 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 standard Terms of Reference (ToR) with the following additional conditions:

1. LOI ought to be renewed as the validity has expired.
2. Site photographs together with photographs and other related details of site visits by resource persons of NABET accredited consultant of project proponent, with their names and profession/designation, together with date(s) of visit, date(s) of data collection including names of instrument/machine actually used in the field, during preparation of EIA report, is to be clearly highlighted in the EIA/EMP report.

Member Secretary shall prepare the draft Term of Reference 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 Term of Reference.

2.3 Proposal No. SIA/ML/MIN/83045/2022 submitted by Smti. Regina Sangma (M/s Bagli Limestone Mine).

The Project Proponent, Smti. Regina Sangma submitted an online application for Term of Reference vide proposal No.SIA/ML/MIN/83045/2022 for Bagli Limestone Mine for mining of Lime stone for an area of 1.99 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 Bagli, South West Khasi Hills District, Meghalaya and toposheet Survey of India No.78 O/4 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25°12'42.367"N	91°4'5.866" E
2	25°12'40.597"N	91°4'7.270" E
3	25°12'28.536"N	91°4'2.711" E
4	25°12'29.404"N	91°4'1.392" E

The proposed mining area is on lease for 10 years vide Deed of Lease made on the 9th November 2016 certified by the District Registrar, Mawkyrwat, South West Khasi Hills District, Meghalaya.

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/2020-21/LS/ML/132/569 dated Nongstoin, the 17th March, 2022 and Letter of Intent vide No.T/W&SW/20-21/ML/LS/132/415 dated Nongstoin the 25^h March, 2022 respectively.

The project proponent has obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, vide letter No.DMR/MM/169/2022/07 dated Shillong, the 8th July 2022 where it is mentioned that there are nine (9) approved mining plans lying within 500 metres from the applied mining lease area. Hence the applied mining area falls under cluster category since the total area of three mines is summed up to 26.78 hectares.

The project proponent submitted mining plan approved by the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No. DMR/MM/169/2022/02 dated Shillong, the 10th June 2022. The Mining Plan has been prepared to extract limestone at 57316 Tonnes per annum with a project cost of Rs. 24.50 Lakhs and the operations will be open cast, semi-mechanized method of mining.

As per the mining plan, the mineable reserves would be 572103 Tonnes with an average annual production of 572103 (572103/10=57210) Tonnes. The average annual production of limestone may be different from annual production of five years plan period. Thus 286238 Tonnes of the total mineable reserve will be worked out in first five years and the rest quantity of mineable reserve i.e.(572103-286238)=285865 Tonnes would be exhausted in further 5 years @ 57173 Tonnes. Therefore, the life of the mine will be 10 years (five years in plan period + five 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 standard Terms of Reference (ToR) with the following additional conditions:

1. LOI ought to be renewed as the validity has expired.
2. Site photographs together with photographs and other related details of site visits by resource persons of NABET accredited consultant of project proponent, with their names and profession/designation, together with date(s) of visit, date(s) of data collection including names of instrument/machine actually used in the field, during preparation of EIA report, is to be clearly highlighted in the EIA/EMP report.

Member Secretary shall prepare the draft Term of Reference 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 Term of Reference.

2.4 Proposal No. SIA/ML/MIN/58969/2020 submitted by Shri. Samuel Jahrin (M/s Umduba Boulder Stone Quarry).

The Project Proponent, Shri. Samuel Jahrin submitted an online application for Term of Reference vide proposal No.SIA/ML/MIN/58969/2020 for Umduba Boulderstone Quarry for an area of 1.31 hectare. The proposal is for mining of boulderstone to be used for construction of buildings and making/dressing of roads. The project falls under Schedule 1(a) of category B1 of EIA Notification 2006. The mining lease area is located at Umduba, Killing, Raid Marwet, P.S. Khanapara, Ri-Bhoi District, Meghalaya and toposheet Survey of India No.78 N/16 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	26°04'01.10"N	91°49'43.30" E
2	26°04'00.37"N	91°49'45.19" E
3	26°03'58.89"N	91°49'43.96" E
4	26°03'58.19"N	91°49'43.01" E
5	26°03'58.44"N	91°49'41.87" E
6	26°03'59.15"N	91°49'40.36" E

The proposed mining area is on lease for 30 years vide Lease of Deed made on the 19th September 2018 at Nongpoh certified by the Sub- Registrar, Nongpoh, Ri Bhoi 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 vide letter No.KH/9/NOC/Stone/41/Pt.IV/2137, dated Shillong, the 17th August 2020 and Letter of Intent vide letter No.KH/8/ML/Stone/69/6061 dated Shillong, the 4th January 2019 respectively.

The project proponent obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/20/2019/07 dated Shillong, the 7th October 2020 which states that there are thirteen (13) approved mining plans lying within 500 metres from the applied mining lease area. Hence the applied mining area falls under cluster category since the total area of these fourteen mines is summed up to 39.3764 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/20/2018/40 dated Shillong, the 16th April 2019. The Mining Plan has been prepared to extract lime stone at the rate of 31738 TPA with a project cost of Rs.18.00 lakhs and the operations will be open cast, semi-mechanized method of mining.

As per the mining plan, the mineable reserves would be 465340 Tonnes with an average annual production of 31023 (465340/15=31023) Tonnes per year and production of stone in first 5 years will be 156929 tonnes. The average annual production of stone may be different from annual production of 5 years and last 10 years. So life of the mine will be 15 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 standard Terms of Reference (ToR) with the following additional conditions:

1. LOI ought to be renewed as the validity has expired.
2. Site photographs together with photographs and other related details of site visits by resource persons of NABET accredited consultant of project proponent, with their names and profession/designation, together with date(s) of visit, date(s) of data collection including names of instrument/machine actually used in the field, during preparation of EIA report, is to be clearly highlighted in the EIA/EMP report.

Member Secretary shall prepare the draft Term of Reference 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 Term of Reference.

Agenda 3: Grant of Environmental Clearance (EC)

3.1 Proposal No.SIA/ML/MIN/284070/2022 submitted by Smti. Evalyni Kharbani (M/s Ruieng Limestone Mine)

The Project Proponent, Smti. Evalyni Kharbani submitted an online application vide proposal No. SIA/ML/MIN/284070/2022 for Environmental Clearance for Ruieng Limestone Mine for an area of 1.58 hectare. The proposal is for mining of limestone to be used in kilns for manufacturing 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 Ruieng, Lynti Dkhar, 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° 11' 19.26"N	91° 44' 40.78"E
2	25° 11' 18.98"N	91° 44' 38.52"E
3	25° 11' 19.54"N	91° 44' 37.97"E
4	25° 11' 20.61"N	91° 44' 38.37"E
5	25° 11' 21.07"N	91° 44' 38.04"E
6	25° 11' 20.33"N	91° 44' 36.81"E
7	25° 11' 18.02"N	91° 44' 33.90"E
8	25° 11' 16.45"N	91° 44' 34.98"E
9	25° 11' 17.42"N	91° 44' 37.81"E
10	25° 11' 17.37"N	91° 44' 39.49"E
11	25° 11' 18.52"N	91° 44' 40.98"E

The proposed land is on lease for 50 years vide Lease Deed made on the 25th November 2019 certified by Notary, East Khasi Hills District.

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/1808, dated Shillong, the 22nd July, 2020 and letter of Intent vide letter No.KH/8/ML/Limestone/68/1838 dated Shillong, the 31st July 2020.

The project proponent obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/85/2020/07 dated Shillong, the 14th October, 2020 which states that there are six 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 seven is summed up to 15.824 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/85/2020/02 dated Shillong, the 25th September 2020. The Mining Plan has been prepared to extract Limestone at the rate of 101683 TPA with a project cost of Rs.30.50 lakhs and the operations will be open cast, semi-mechanized method of mining.

As per the mining plan, the mineable reserve would be 508467 tonnes with an average annual production of 101693 (508467/5=101693) tonnes. The average annual production of limestone may be different from annual production of five years plan period. Thus 507789 tonnes of the total mineable reserve will be worked out in first 5 years and the rest quantity of mineable reserve i.e. (508467 – 507789) = 678 tonnes would be Mining Loss. Therefore, the life of the mine will be 5 years (five years in plan period)

The project was already awarded Term of Reference by the State Environment Impact Assessment Authority, Meghalaya vide letter No.ML/SEIAA/MIN/EKH/P-109/2020/4/1637 dated Shillong the 29th 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 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 the 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.
- 103 3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. CER should be included in the capital cost and it should be increased to a minimum of Rs 1 lakh annually.
9. 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.
10. GPS coordinates of each pillar should be carved/painted clearly on the pillars with Red colour.
11. 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.
12. 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.
13. Storing and collection of water through rainwater harvesting for dust sprinkling and recharging of the aquifers.
14. 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.

3.2 Proposal No.SIA/ML/MIN/284766/2022 submitted by Shri. Sunshine Makri.

The Project Proponent, Shri. Sunshine Makri submitted an online application for Environmental Clearance vide proposal No.SIA/ML/MIN/284766/2022 for 'Ka Shnong Limestone Mine' for mining of Lime stone for an area of 0.75 hectare. 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 B2 of EIA Notification 2006. The mining lease area is located at Ka Shnong Tyngwai, Tyngwai area, 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° 10'38.5"N	91° 43'23.9"E
2	25° 10'38.5"N	91° 43'22.8"E
3	25° 10'46.3"N	91° 43'25.2"E
4	25° 10'46.1"N	91° 43'26.2"E

The proposed mining area is on lease for 50 years vide Lease Agreement made on the 31st January, 2019 certified by Public Notary, East Khasi Hills District.

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/3314 dated Shillong, the 15th October 2020 and letter of Intent vide letter No.KH/8/ML/Limestone/68/3399 dated Shillong, the 20th October, 2020 respectively.

TCB
The project proponent obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/92/2020/05 dated Shillong, the 7th January 2021 which states that there are four (4) 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 five mines is summed up to 8.5592 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/92/2020/02 dated Shillong, the 7th December 2020. The Mining Plan has been prepared to extract lime stone at the rate of 38167 TPA with a project cost of Rs. 10.00 lakhs and the operations will be open cast, semi-mechanized method of mining.

As per the mining plan, the mineable reserve would be 190836 tonnes with an average annual production of 38167 (190836/5=38167) tonnes. The average annual production of limestone may be different from annual production of five year plan period. Thus 190769 tonnes of the total mineable reserve will be worked out in first five years and the rest quantity of mineable reserves i.e. (190836 – 190769) = 67 tonnes would be mining loss. Therefore, life of the mine will be 5 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-134/2021/467 dated 3rd September 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 18th 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 the 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. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. CER should be included in the capital cost and it should be increased to a minimum of Rs 1 lakh annually.
9. 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.
10. GPS coordinates of each pillar should be carved/painted clearly on the pillars with Red colour.
11. 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.
12. 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.
13. Storing and collection of water through rainwater harvesting for dust sprinkling and recharging of the aquifers.
14. The Project Proponent has to construct a wall of requisite height along the periphery to ensure that no run off to the nearby agricultural land human settlement, water bodies takes place.
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.

3.3 Proposal No.SIA/ML/MIN/281732/2022 submitted by Shri. Remiwell Soman Natep (M/s Muiong Limestone Mine).

The Project Proponent, Shri. Remiwell Soman Natep submitted an online application for Environmental Clearance vide proposal No. SIA/ML/MIN/281732/2022 for Muiong Limestone Mine for mining of Lime stone in an area of 1.0 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 B2 of EIA Notification 2006. The mining lease area is located at Muiong, Shella, 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' 15.90"N	91° 37' 38.70"E
2	25° 11' 13.93"N	91° 37' 36.83"E
3	25° 11' 15.00"N	91° 37' 36.40"E
4	25° 11' 16.20"N	91° 37' 36.50" E
5	25° 11' 17.77"N	91° 37' 38.80"E
6	25° 11' 18.94"N	91° 37' 40.48"E
7	25° 11' 19.62"N	91° 37' 40.59"E
8	25° 11' 19.75"N	91° 37' 42.75"E
9	25° 11' 17.91"N	91° 37' 41.90"E

The proposed mining area belongs to the Project Proponent vide Gift Deed made on the 24th September 2019, certified by Public 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 Territorial Division, Shillong vide letter No.KH/8/NOC/Limestone/41/Pt.IV/3052, dated Shillong, the 5th October, 2020 and letter of Intent vide letter No.KH/8/ML/Limestone/68/3070 dated Shillong, the 5th October, 2020.

The project proponent obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/90/2020/05 dated Shillong, the 29th September, 2021 which states that there are five 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 six mines is summed up to 111.14 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/90/2020/02 dated Shillong, the 7th December 2020. The Mining Plan has been prepared to extract Limestone at the rate of 31459 TPA with a project cost of Rs. 18.00 lakhs and the operations will be open cast, semi-mechanized method of mining.

As per the mining plan, the mineable reserve would be 314585 tonnes with an average annual production of 31459 (314585/10=31459) tonnes. The average annual production of limestone may be different from annual production of five years plan period. Thus 156906 tonnes of the total mineable reserve will be worked out in first 5 years and the rest quantity of mineable reserve i.e. (314585 – 156906) = 157679 tonnes would be exhausted in subsequent 5 years @ 31536 TPA. Therefore, the life of the mine will be 10 years (five years in plan period+ five years in conceptual period)

The project was already awarded auto generated Term of Reference by the Ministry of Environment, Forest and climate Change, India on 19th of January 2022 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 12th April 2022 which was conducted by the Meghalaya State Pollution Control Board and presided over by Smt. D. Phawa, 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 the 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. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. CER should be included in the capital cost and it should be increased to a minimum of Rs 1 lakh annually.
9. 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.
10. GPS coordinates of each pillar should be carved/painted clearly on the pillars with Red colour.
11. 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.
12. 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.
13. Storing and collection of water through rainwater harvesting for dust sprinkling and recharging of the aquifers.
14. 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.

3.4 Proposal No.SIA/ML/MIN/160963/2020 submitted by Smti. Drama Kharthangmaw

The Project Proponent Smt. Drama Kharthangmaw submitted an online application vide Proposal No.SIA/ML/MIN/160963/2020 for Environmental Clearance for Boulderstone Mine in an area of 2.32 hectares. The proposal is for mining of boulderstone to be utilised for construction purposes, and hence, the project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The area is located at Umshiaw, Ranab Umhapshun, Bhoi Lasa, Myllem Syiemship, RiBhoi District, Meghalaya and toposheet Survey of India No.83 C/1 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 45' 31.5"N	92° 01' 28.6"E
2	25° 45' 33.7"N	92° 01' 31.5"E
3	25° 45' 34.3"N	92° 01' 32.8"E
4	25° 45' 34.2"N	92° 01' 34.8"E
5	25° 45' 34.6"N	92° 01' 35.9"E
6	25° 45' 35.5"N	92° 01' 34.9"E
7	25° 45' 36.7"N	92° 01' 34.5"E
8	25° 45' 38.0"N	92° 01' 33.3"E
9	25° 45' 38.5"N	92° 01' 32.3"E
10	25° 45' 39.0"N	92° 01' 32.1"E
11	25° 45' 38.0"N	92° 01' 30.9"E
12	25° 45' 36.6"N	92° 01' 33.8"E
13	25° 45' 35.8"N	92° 01' 29.4"E
14	25° 45' 35.0"N	92° 01' 27.4"E
15	25° 45' 32.1"N	92° 01' 26.4"E

The proposed land for mining belongs to the Project Proponent vide affidavit made on 9th August 2019 at Shillong, East Khasi Hills certified by Notary, Govt. of Meghalaya.

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/9/NOC/Stone/41/Pt.VI/4149 dated Shillong, the 25th September 2019 and letter of Intent No.KH/8/ML/Stone/69/4200 dated Shillong, the 26th September 2019.

TC-3
The project proponent has obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong, Government of Meghalaya, vide letter No.DMR/MM/74/2019/1443 dated Shillong, the 19th November 2019, where it is mentioned that there is no approved mining plan within 500metres radius. Hence, the Environment Management Plan is not required.

The project proponent submitted approved Mining Plan and Progressive Mine Closure Plan from Directorate of Mineral Resources, Meghalaya vide letter No.DMR/MM/74/2019/1323, dated Shillong, the 29th October 2019. The Mining plan has been prepared to extract boulderstone at an annual rate of 54600 tonnes with a project cost of Rs. 18 lakhs and the operations will be open cast with semi-mechanized method of mining.

The mineable reserve is 817824 tonnes with an average annual production of 54522 (817824/15) tonnes. The average annual production of stone may be different from annual production of five years plan period. The production of stone in first 5 years will be 272381 tonnes and the balance mineable reserve of 545443 tonnes will be exhausted in subsequent 10 years at the rate of 54544 tonnes. Thus the life of the mine will be 15 years.

The Proposal was recommended for Reconsideration by the SEAC owing to the letter from the Deputy Commissioner, Ri Bhoi District dated 14/9/2020, directing for cancellation of all new permissions granted after 9th July 2020 in Ri Bhoi District. However, in the case of this particular project, the Member Secretary, SEIAA vide letter No.ML/SEIAA/Correspondence EC/59/2021/82/392 dated 7.09.2022 forwarded a copy of the Advocate General's opinion to consider the application for Environmental Clearance from Smti. Sharon Ann Pariat and other similar proposals from Ri Bhoi 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, 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. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. CER should be included in the capital cost and it should be increased to a minimum of Rs 1 lakh annually.
9. 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.
10. GPS coordinates of each pillar should be carved/painted clearly on the pillars with Red colour.
11. 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.
12. 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.
13. Storing and collection of water through rainwater harvesting for dust sprinkling and recharging of the aquifers.
14. 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.

3.5 Proposal No.SIA/ML/MIN/164140/2020 submitted by Shri. Donlang Khongpdah

The Project Proponent, Shri. Donlang Khongpdah, submitted online application vide Proposal No.SIA/ML/MIN/164140/2020 for Environmental Clearance for Boulderstone Mine for an area of 2.1084 hectares. The proposal is for mining of boulderstone to be utilised for construction purposes, and hence, the project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The area is located at Nongthymmai, Byrnihat, Raid Marwet, RiBhoi District, Meghalaya and toposheet Survey of India No.78 N/16 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	26° 03' 23.0"N	91° 51' 17.2"E
2	26° 03' 24.2"N	91° 51' 15.6"E
3	26° 03' 24.7"N	91° 51' 13.3"E
4	26° 03' 22.7"N	91° 51' 10.7"E
5	26° 03' 20.3"N	91° 51' 10.6"E
6	26° 03' 19.3"N	91° 51' 15.6"E

The proposed mining area belongs to the Project Proponent vide deed of declaration dated 13th September 2017 certified by Sub-Registrar, Nongpoh, RiBhoi District.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, Khasi Hills Territorial Division, Shillong, vide letter No.KH/9/NOC/STONE/41/Pt.III/11506-A dated Shillong, the 20th May 2018 and letter of Intent vide letter No.KH/8/ML/Stone/69/10301 dated Shillong, the 15th January 2018 and subsequently renewed vide letter NO.KH/8/ML/stone/69/303, date Shillong, the 21st June 2020.

The project proponent has obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong, Government of Meghalaya, vide letter No.DMR/MM/159/2018/10 dated Shillong, the 9th June 2020, where it is mentioned that there is no approved mining plan located within 500 metres radius. Hence, the Environment Management Plan is not required.

TCB The project proponent submitted approved Mining Plan and Progressive Mine Closure Plan from Directorate of Mineral Resources, Meghalaya vide letter No.DMR/MM/159/2018/697, dated Shillong, the 27th July 2018. The Mining plan has been prepared to extract boulderstone at an annual rate of 165790 tonnes with a project cost of Rs. 24.5 lakhs and the operations will be open cast with semi-mechanized method of mining.

The mineable reserve of stone is of the order of 1739200 tonnes. The production in the period of the mining plan will be around 778270 tonnes in 5 years and the balance reserve is (1739200-778270) or 960930 tonnes. As the production target is 165790, therefore, the balance reserve is sufficient for 5.79 years. Thus, the total life of the mine is 5+5.79 years i.e. 10.79 years.

The Proposal were recommended for Reconsideration by the SEAC owing to the letter from the Deputy Commissioner, Ri Bhoi District dated 14/9/2020, directing for cancellation of all new permissions granted after 9th July 2020 in Ri Bhoi District. However, in the case of this particular project, the Member Secretary, SEIAA vide letter No.ML/SEIAA/Correspondence EC/59/2021/82/392 dated 7.09.2022 forwarded a copy of the Advocate General's opinion to consider the application for Environmental Clearance from Smti. Sharon Ann Pariat and other similar proposals from Ri Bhoi 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, 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. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. CER should be included in the capital cost and it should be increased to a minimum of Rs 1 lakh annually.
9. 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.
10. GPS coordinates of each pillar should be carved/painted clearly on the pillars with Red colour.
11. 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.
12. 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.
13. Storing and collection of water through rainwater harvesting for dust sprinkling and recharging of the aquifers.
14. 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.

3.6 Proposal No.SIA/ML/MIN/251401/2022 submitted by Shri. Nowell Shylla

The Project Proponent, Shri. Nowell Shylla submitted online application vide proposal No.SIA/ML/MIN/251401/2022 for Environmental Clearance for mining of Boulder stone for an area of 0.89 hectares. The proposal for mining of boulderstone is use for construction purposes-buildings, road projects, dams, etc., and hence the project fall under Schedule 1(a) of category B2 of EIA Notification 2006. The area is located at Mawsohphan, Laitkseh Village, East Khasi Hills District, Meghalaya and toposheet Survey of India No. 78 O/14 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25°31'1.717"N	91°55'43.733" E
2	25°31'1.812"N	91°55'42.845" E
3	25°31'1.607"N	91°55'41.502" E
4	25°31'1.711"N	91°55'40.714" E
5	25°31'0.795"N	91°55'40.599" E
6	25°30'59.828"N	91°55'40.505" E
7	25°30'59.044"N	91°55'40.418" E
8	25°30'58.064"N	91°55'40.310" E

9	25°30'57.641"N	91°55'41.167" E
10	25°30'57.452"N	91°55'41.585" E
11	25°30'57.157"N	91°55'42.154" E


The proposed mining area belongs to the project proponent as per the Affidavit dated Shillong the 21st August 2018 certified by the Public Notary, Shillong.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, East Khasi Hills & RiBhoi (T) Division, vide letter No. KH/9/NOC/STONE/41/Pt.V/964 dated Shillong, the 27th May, 2019 and Letter of Intent vide No.KH/8/Quarry permit/Stone/2690 dated Shillong the 16th July, 2019.

The project proponent has obtained a cluster certificate from the Mining engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/61/2019/09 dated Shillong, the 3rd February 2021 where it is mentioned 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 approved Mining plan and Progressive Mine Closure Plan from Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No. DMR/MM/61/2019/989 dated Shillong, the 4th September 2019. The Mining Plan has been prepared to extract boulder stone at an annual rate of 33995 TPA with a project cost of Rs.15 Lakhs and the operations will be open cast, semi-mechanized method of mining.

As per the mining plan, the mineable reserves would be 169590 tonnes and this total mineable reserve will be quarried in five years of quarry permit period. The maximum production of stone in 5 years will be 169543 Tonnes. Thus the life of the quarry will be 5 years.

 As per the Under Secretary to the Govt. of Meghalaya, Mining & Geology Department vide letter No.MG.49/2011/Pt-I/364 dated 18th October, 2022, it has been clarified that any application who have obtained Approved Mining Plan prior to 1st October, 2020 and who are still pending will not be subjected to the provision of the MMMCR (Amendment) Rules, 2020 which came into force from 1st October, 2020.

Recommendation


After due screening and examination of all the documents submitted by the Project Proponent and site cross checking and deliberation using kml file through Google Earth. The Project Proponent submitted a clarification letter No. Nil dated 09.06.2022 that the Letter of Intent for Mawsophan Boulder Stone Quarry was issued on 16.07.2019 and the Mining plan was approved on 04.09.2019. 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 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.
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.

3.7 Proposal No.SIA/ML/MIN/260425/2022 submitted by Smti. Diolin Kharbangar (M/s Laitkor Boulder Stone Mine)

 The Project Proponent, Smti. Diolin Kharbangar submitted online application vide proposal No.SIA/ML/MIN/260425/2022 for Environmental Clearance for mining of Boulder stone for an area of 2.66 hectares. The proposal for mining of boulder stone is use for construction purposes-buildings, road projects, dams, etc., and hence the project fall under Schedule 1(a) of category B2 of EIA Notification 2006. The area is located at Laitkor, Mawrie, Lumheh, Lumbaiong, East Khasi Hills District, Meghalaya and toposheet Survey of India No. 78 O/14 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25°31'48.50"N	91°52'54.60" E
2	25°31'47.29"N	91°52'54.55" E
3	25°31'47.15"N	91°52'53.51" E
4	25°31'46.04"N	91°52'53.46" E
5	25°31'45.56"N	91°52'54.35" E
6	25°31'43.07"N	91°52'55.11" E
7	25°31'42.60"N	91°52'53.30" E
8	25°31'41.00"N	91°52'50.96" E
9	25°31'47.08"N	91°52'48.00" E
10	25°31'48.00"N	91°52'49.72" E
11	25°31'47.63"N	91°52'51.32" E

The proposed mining area belongs to the project proponent as per the Deed of Declaration dated 26th May 2017 and certified by the Sub-Registrar, Shillong.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, East Khasi Hills & RiBhoi (T) Division, vide letter No. KH/9/NOC/STONE/41/Pt.V/3350 dated Shillong, the 14th August, 2019 and Letter of Intent vide No.KH/8/ML/Stone/69/3473 dated Shillong the 21st August, 2019.

The project proponent has obtained a cluster certificate from the Mining engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/70/2019/10 dated Shillong, the 13th April 2021 where it is mentioned 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 approved Mining plan and Progressive Mine Closure Plan from Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No. DMR/MM/70/2019/1181 dated Shillong, the 3rd October 2019. The Mining Plan has been prepared to extract boulder stone at an annual rate of 155736 MTPA with a project cost of Rs. 24 Lakhs and the operations will be open cast, semi-mechanized method of mining.

As per the mining plan, the mineable reserves would be 1557081 Tonnes with an average annual production of 155708 (1557081/10=155708) Tonnes. The average annual production of stone may be different from annual production of first five years. The production of stone in first 5 years will be 778172 Tonnes and the balanced mineable reserve of 778909 Tonnes will be exhausted in subsequent 5 years@155782 Tonnes. Thus the life of the mine will be 10 years.

As per the Under Secretary to the Govt. of Meghalaya, Mining & Geology Department vide letter No.MG.49/2011/Pt-I/364 dated 18th October, 2022, it has been clarified that any application who have obtained Approved Mining Plan prior to 1st October, 2020 and who are still pending will not be subjected to the provision of the MMMCR (Amendment) Rules, 2020 which came into force from 1st October, 2020.

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 the Project Proponent's clarification letter No. Nil dated 07.06.2022, 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. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. CER should be included in the capital cost and it should be increased to a minimum of Rs 1 lakh annually.
9. 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.
10. GPS coordinates of each pillar should be carved/painted clearly on the pillars with Red colour.

11. 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.
12. 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.
13. Storing and collection of water through rainwater harvesting for dust sprinkling and recharging of the aquifers.
14. 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 Dec' 2022

Copy to :

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


Member Secretary
SEIAA,
Meghalaya, Shillong.