



**STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY
(SEIAA)**

:: MEGHALAYA ::

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MINUTES OF THE MEETING OF THE SEIAA, MEGHALAYA,

HELD ON 2nd June, 2023, AT 1:00 PM,

VENUE: OFFICE CHAMBER OF THE CHAIRMAN.

Members present in the Meeting:

1. Shri T.T.C. Marak, IFS (Retd.).....Chairman, SEIAA
2. Dr. H.J. Syiemlieh, Professor, Dept. of Geography, NEHU Member, 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 22nd March, 2023 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/216618/2021 submitted by Shri. Jeres Lamare (M\s Umsiang Boulder Stone Quarry)

The Project Proponent, Shri. Jeres Lamare submitted online application vide proposal No. SIA/ML/MIN/216618/2021 for Environmental Clearance for Umsiang Boulder Stone Quarry for an area of 0.3 hectare. The proposal is for mining of boulderstone use for construction purposes, hence the project fall under Schedule 1(a) of category B2 of EIA Notification 2006. The area is located at Umsiang village, Raid Maiong, Khyrim Syiemship, Ri-Bhoi District, Meghalaya and Survey of India toposheet No.83 B/4 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	26° 02' 16.363"N	92° 08' 45.733"E
2	26° 02' 17.728"N	92° 08' 43.811"E
3	26° 02' 16.644"N	92°08' 42.886"E
4	26° 02' 15.381"N	92° 08' 44.305"E

The proposed mining area belongs to the project proponent vide Deed of Declaration signed on the 16th June, 2009 which was certified by 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.V/5090, dated Shillong, the 6th November 2018 and Letter of Intent vide letter No.KH/8/ML/Stone/69/4431 dated Shillong, the 8th October 2018 respectively.

The project proponent obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/253/2018/10

dated Shillong, the 15th April 2021 which states that there are no approved mining plans lying within 500 metres from the applied mining lease area. Hence, the Environment Management Plan is not required.

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/253/2018/339 dated Shillong, the 23rd May 2019. The Mining Plan has been prepared to extract lime stone at the rate of 8378 TPA with a project cost of Rs.10.00 lakhs and the operations will be open cast, semi-mechanized method of mining.

The mineable reserves would be 43535 Tonnes with an average annual production of 8707(43535/5=8707) Tonnes per year. The average annual production of stone may be different from annual production of five years and the total mineable reserves will be exhausted within five years of mining. Therefore, the life of mine will be 5 years.

Recommendation:

The State Environment Impact Assessment Authority, Meghalaya, in the meeting held on 2nd June, 2023 noted that irrespective of the SEAC's recommendation, the members have unanimously resolved to reject the proposal based on the following grounds:

- a) The proposed mining area is too small and does not have enough land for Green Belt or Safety Zone of 7.5 meters along the boundary of the mine as per the Terms and conditions as stipulated in "Standard EC Conditions for Non-Coal mining sector" issued vide Ministry' OM No.22-24/2018-IA-III dated 08.01.2019.
- b) The location of this proposed area falls under the 'No-Go-Areas' as per the Govt. of Meghalaya Notification No. FOR.50/2021/1667 dated Shillong the 13th January, 2023 para 2.1 **No new Mining Lease or Quarry Permit** for stone/boulder shall be granted in the Inviolable areas or 'no-go-areas' in Ri-Bhoi district :- **2.1.1 Inviolable areas as per Comprehensive Carrying Capacity Report** - All areas north of the latitude at 25°47'55.17" N in DMS(Degree Minutes Seconds) format or 25.7986583° N in DD (Decimal Degrees) format.

2.2. Proposal No. SIA/ML/MIN/409198/2022 submitted by Shri. Koberth Ch. Marak (M/s Manggapara Stone Quarry)

The Project Proponent Shri. Koberth Ch. Marak, submitted online application vide proposal No. SIA/ML/MIN/409198/2022 for Environmental Clearance for Boulder Stone Quarry for an area of 0.937 hectare. The proposal is for mining of boulder 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 Manggapara, Grenggandhi, P.O. Zekabari, P.S. Tura, West Garo Hills District, Meghalaya and Survey of India toposheet No.78 K/2 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 37'47.05" N	90° 00'43.61" E
2	25° 37'49.51" N	90° 00'42.41" E
3	25° 37'50.89" N	90° 00'45.59" E
4	25° 37'48.23" N	90° 00'47.21" E

The proposed land is on lease for a period of 10 years which was executed on the 14th July 2017 registered at D.C. Office, Tura, District Registrar.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, West, South & South West Garo Hills Territorial Division, Tura vide letter No. B/16/VII/NOC/MMMCR/3246-256, dated Tura, the 16th November, 2017 and letter of Intent vide letter No. B/16/VII/2390 dated Tura, the 15th June 2018 and subsequently renewed vide

letter No. B/16/VII/3084-87 dated Tura, the 16th August 2019 issued by the Divisional Forest Officer, West and South West Garo Hills Territorial Division, Tura.

The project proponent obtained a cluster certificate from the Divisional Mining Officer, East Garo Hills, Williamnagar vide letter No. DMO-W/MP/15/2019/111 dated Williamnagar, the 18th September, 2020 which states that there are four approved mining plans lying within 500 meters 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 10.997 hectares.

The project proponent submitted the approved Mining Plan with Progressive Mine Closure Plan approved by the Director of Mineral Resources, Government of Meghalaya, vide letter No. DMR/MM/201/2018/2128 dated Shillong, the 15th March 2019. The Mining Plan has been prepared to extract boulder stone at the rate of 33415 TPA with a project cost of Rs.29.40 lakhs and the operations will be open cast, semi-mechanized method of mining.

The mineable reserve would be 334594 tonnes with an average annual production of 334594 (334594/10=33459) tonnes per year and production of stone in first five years will be 161222 tonnes. The average annual production of stone may be different from the annual production of first five years. The balance mineable reserve, 173372 tonnes will be worked out in the subsequent 5 years. So, life of mine will be 10 years (first five years in plan period + 5 years in conceptual period).

The project was already awarded Term of Reference by the State Environment Impact Assessment Authority, Meghalaya vide letter No.ML/SEIAA/MIN/WGH/P-99/2020/9/1625 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 10th December 2021 which was conducted by the Meghalaya State Pollution Control Board and presided over by Shri. J. R. T. Sangma, MCS, Executive Magistrate & BDO, Selsella Block, West Garo Hills District.

Recommendation:

The State Environment Impact Assessment Authority, Meghalaya, in the meeting held on 2nd June, 2023, noted the recommendation in the above said SEAC's Minutes relating to this project and accepted the recommendation of the SEAC and unanimously resolved to grant Environment Clearance to this project.

Accordingly, on recommendation of the SEAC and as per the EIA Notification- 2006 and its subsequent amendments, the SEIAA in the meeting unanimously grant Environment Clearance to this project, with the Terms and conditions as stipulated in "Standard EC Conditions for Non-Coal mining sector" issued vide Ministry' OM No.22-24/2018-IA-III dtd 08.01.2019 and with additional conditions as given below;

- 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 not less than 6 ft above the ground level and 4-6 ft below the ground level is to be constructed around the periphery of the proposed mining site for stacking of Over Burden (OB), sloping to the valley below to ensure that no spillage of OB materials.
- 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 to be planted. Plantation should be done in the 1st and 2nd year of the planed period.
 - 9) CER should be included in the capital cost and it should be increased to a minimum of Rs 1 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 Environment 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/284959/2022 submitted by Shri. Royal A. Sangma (M/s Bagli Limestone Mine)

The Project Proponent, Shri Royal A. Sangma submitted online application vide proposal No. SIA/ML/MIN/284959/2022 for Environmental Clearance for Bagli Limestone Mine for mining of Lime stone for an area of 1.00 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 Bagli, Khonjowai, South West Khasi Hills District, Meghalaya and Survey of India toposheet No.78 O/4 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 12'27.15" N	91° 04'12.95" E
2	25° 12'24.66" N	91° 04'12.11" E

3	25° 12'28.91" N	91° 04'06.62" E
4	25° 12'30.38" N	91° 04'08.58" E
5	25° 12'27.70" N	91° 04'10.23" E

The proposed mining area is on lease for a period of 10 years vide Deed of Lease made on the 7th October 2016 certified by District Registrar, South Khasi Hills District, Meghalaya.

The applied area is a Non-Forest Land which was confirmed by the Divisional Forest Officer, SF & Territorial Division, West and South West Khasi Hills, vide letter No. T/W&SW/20/NOC(L)/538, dated Nongstoin, the 27th August 2020 and letter of Intent vide letter No. T/W&SW/20-21/LS/ML/142/162, dated Nongstoin, the 9th 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/125/2021/07 dated Shillong, the 15th July 2021 which states that there are seven (7) approved mining plans lying within 500 meters from the applied mining lease area. Hence the applied mining area falls under cluster category since the total area of eight mines is summed up to 18.21 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/125/2021/02 dated Shillong, the 29th June 2021. The Mining Plan has been prepared to extract lime stone at the rate of 54474 TPA with a project cost of Rs.28.5 lakhs and the operations will be open cast, semi-mechanized method of mining

The mineable reserve would be 272371 tonnes with an average annual production of 54474(272371/5=54474) Tonnes. The average annual production of limestone may be different from annual production of five years plan period. Thus 272363 Tonnes of the total mineable reserve will be worked out in first 5 years and the rest quantity of mineable reserve i.e. (272371-272363) =8 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/SWKH/P-192/2021/766datedShillong the 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 CHAITANYA PROJECTS CONSULTANCY PVT. LTD.

The public hearing was held on 23rd March 2022 which was conducted by the Meghalaya State Pollution Control Board and presided over by Shri. L. George Marboh Kharmih, ADC & I/c Ranikor Civil Sub Division, South West Khasi Hills District.

Recommendation:

The State Environment Impact Assessment Authority, Meghalaya, in the meeting held on 2nd June, 2023 noted the recommendation in the above said SEAC's Minutes relating to this project and accepted the recommendation of the SEAC and unanimously resolved to grant Environment Clearance to this project.

Accordingly, on recommendation of the SEAC and as per the EIA Notification- 2006 and its subsequent amendments, the SEIAA in the meeting unanimously grant Environment Clearance to this project, with the Terms and conditions as stipulated in "Standard EC Conditions for Non-Coal mining sector" issued vide Ministry' OM No.22-24/2018-IA-III dtd. 08.01.2019 and additional conditions as given below.

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. Plantation should be done in the 1st and 2nd year of the planed period.
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 Environment 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.

Agenda 3: Corrigendum

3.1. Proposal No. SIA/ML/MIN/294234/2022 submitted by Shri. Amit Agarwal (M/s Meghalaya Cement Limited)

The Project Proponent, Shri. Amit Agarwal submitted online application vide proposal No. SIA/ML/MIN/294234/2022 for Meghalaya Cements limited for an area of 31.05 hectares located at South Khliehjari, Thangskai Village, Khliehriat, East Jaintia Hills District, Meghalaya for corrigendum in existing Environmental Clearance granted by SEIAA vide Letter No. SEIAA/(PR-19/2022) PT/PR-05/2015/444 dated Shillong the 9th January 2017 to mention

the limestone production capacity as 22,40,704 TPA in subject matter in line with ToR Letter, Approved Mining Plan, Public hearing and Final EIA/EMP Report.

Recommendation:

The State Environment Impact Assessment Authority, Meghalaya, in the meeting held on 2nd June, 2023 noted the recommendation in the above said SEAC's Minutes relating to this project and accepted the recommendation of the SEAC and unanimously resolved to grant the proposed corrigendum to this project.

Member Secretary shall prepare the draft Corrigendum 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 corrigendum.

Agenda 4: Rejection of proposal

Agenda 4.1 Proposal No. SIA/ML/MIN/289424/2022 submitted by Shri. Redifystar Khylllep (M/S TRR Khylllep Limestone Mine)

The Project Proponent, Shri. Redifystar Khylllep submitted online application for Environmental Clearance vide proposal No.SIA/ML/MIN/289424/2022 for TRR Khylllep Limestone Mine for mining of Lime stone for an area of 0.436 hectares. The proposal is for mining of lime stone to be used for manufacturing of lime and as building materials for building, road and other construction works. The project falls under Schedule 1(a) of category B1 of EIA Notification 2006. The mining lease area is located at Mawpyrsen, Mawlong, Mawlong Sirdarship, District- East Khasi Hills, State- Meghalaya and toposheet Survey of India No.780/12 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 11'40.9"N	91° 41'42.2"E
2	25° 11'39.0"N	91° 41'42.0"E
3	25° 11'40.6"N	91° 41'38.9"E
4	25° 11'41.9"N	91° 41'39.7"E

The proposed mining area belongs to the project proponent vide Gift Deed made on 28th August 2019 certified by Public Notary, Shillong, East Khasi Hills.

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/L/Stone/41/Pt.IV/4215, dated Shillong, the 26th September 2019 and Letter of Intent vide letter No.KH/8/Quarry Permit/Limestone/4439, dated Shillong, the 14th October 2019 respectively and subsequently renewed the Letter of Intent vide letter No.KH/8/Quarry Permit/Limestone/5114, dated Shillong, the 14th November 2019.

The project proponent obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/77/2019/09 dated Shillong, the 9th December 2020 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 6.627 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/77/2019/1709 dated Shillong, the 21st January 2020. The Mining Plan has been prepared to extract lime stone at the rate of 30000 TPA with a project cost of Rs.80 lakhs and the operations will be open cast, semi-mechanized method of mining.

The quarry has a Measured Mineable Reserves excluding safety barrier and UPL of 242849 MT but after leaving residual benches the net total Mineable Reserves comes to 140132 MT. As the quarry is targeted to produce 30000 MT of Limestone per annum and taking 250 days as the average number of working days per annum, the anticipated life of the quarry will be 4.67 years, say 5 years.

The project was already awarded Auto Generated Term of Reference 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 14th January 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:

The State Environment Impact Assessment Authority, Meghalaya, in the meeting held on 2nd June, 2023 noted and accepted the recommendation of the SEAC relating to this project and unanimously resolved to rejected this project.

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



Chairman
SEIAA, Meghalaya

Memo. No. ML/SEIAA/Meeting/ Vol.IV/53/2021/15/

Dated Shillong the June, 2023

Copy to:

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


Member Secretary
SEIAA, Meghalaya