



STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA)
:: MEGHALAYA::

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MINUTES OF THE MEETING OF THE SEIAA, MEGHALAYA.

HELD ON 20th July, 2021, 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 27th April, 2021 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/202317/2021 submitted by Smt. Ailadmon Japang

The Project Proponent Smt. Ailadmon Japang submitted online application for Environmental Clearance vide proposal No. SIA/ML/MIN/202317/2021 for mining of limestone for an area of 2.40 hectare. The proposal is for mining of lime stone use for construction purposes. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The mining lease area is located at Kari U Syiar, Lynti Dkhar, Sohbar, Shella Bholaganj, East Khasi Hills District, Meghalaya and topo sheet Survey of India No.780/12 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 10' 45.60"N	91° 44' 35.10"E
2	25° 10' 48.00"N	91° 44' 35.60"E
3	25° 10' 49.30"N	91° 44' 34.50"E
4	25° 10' 48.40"N	91° 44' 32.60"E
5	25° 10' 49.60"N	91° 44' 32.40"E
6	25° 10' 50.80"N	91° 44' 34.20"E
7	25° 10' 52.10"N	91° 44' 37.90"E
8	25° 10' 51.60"N	91° 44' 39.40"E
9	25° 10' 46.20"N	91° 44' 39.00"E
10	25° 10' 45.60"N	91° 44' 37.10"E

The Lease Agreement for a period of 12 years was made on the 4th March 2019 which was certified by the Notary.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, East Khasi Hills & RiBhoi Territorial Division, Shillong vide letter No.KH/8/NOC/Limestone/41/Pt.IV/7605; dated Shillong, 20th March 2019 and letter of Intent vide letter No.KH/8/ML/Limestone/68/7650 dated Shillong, the 22nd March 2019. The project proponent obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Government of Meghalaya, vide letter No.DMR/MM/36/2019/1780 dated Shillong, the 24th January, 2020 which states that there is another limestone mine of different owner lying within 500 metres from the applied mining lease area. Hence the applied mining area falls under cluster category since total area of the two mines is summed up to 5.775 hectares.

The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the office of the Mining Engineer, Directorate of Mineral Resources, Government of Meghalaya, Shillong vide letter No.DMR/MM/36/2019/127, dated Shillong, the 1st May 2019. The Mining Plan has been prepared to extract Lime stone at an annual production of 89,959 TPA (peak production) 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 reserves of lime stone would be 1078839 tonnes with an average annual production of 89903 (1078839/12) tonnes. The average annual production may be different from annual production of five years plan period. Thus 448085 tonnes of the total mineable reserve will be worked out in first 5 years and the balance mineable reserve i.e. 630754 tonnes will be mined out in further 7 years @ 90107 tonnes per year. Therefore, the life of the mine will be 12 years (five years in the plan period + seven 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-59/2020/1508 dated 27th August 2020 and submitted the final EIA/EMP for the proposed Mining of Lime stone where the project proponent complied all the points in compliance to the Term of Reference prepared by Enviro Infra Solutions PVT. LTD.

The public hearing was held on 8th January 2021 conducted by the Meghalaya State Pollution Control Board presided by the Addl. District Magistrate, East Khasi Hills.

RECOMMENDATION:

The State Environment Impact Assessment Authority, Meghalaya, in the meeting held on 20th July, 2021 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 the following conditions.

1. 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 takes place.
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. 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.
6. CER should be included in the capital cost and it should be increased to a minimum of Rs 1 lakh annually.

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.

2.2. Proposal No.SIA/ML/MIN/62074/2020 submitted by Smt. Medallin Kurbah.

The Project Proponent Smt. Medallin Kurbah submitted online application for Environmental Clearance vide proposal No. SIA/ML/MIN/62074/2020 for mining of limestone for an area of 0.266 hectare. The proposal is for mining of lime stone use for construction purposes. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The mining lease area is located Village-Mawlong, Mawlong 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° 11' 24.23"N	91° 41' 37.77"E
2	25° 11' 25.21"N	91° 41' 37.83"E
3	25° 11' 25.368"N	91° 41' 34.692"E
4	25° 11' 24.396"N	91° 41' 34.62"E

The proposed land is on lease for a period of 30 years which was executed on 23rd January 2018 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 & RiBhoi Territorial Division, Shillong vide letter No.KH/8/NOC/Limestone/41/Pt.IV/1472-A, dated Shillong, 5th June 2019 and letter of Intent vide letter No.KH/8/ML/Limestone/68/1483 dated Shillong, the 5th June 2018 and subsequently renewed vide letter No. KH/8/ML/Limestone/68/7154 dated Shillong, the 18th March 2020. The project proponent obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Government of Meghalaya, vide letter No.DMR/MM/203/2018/15 dated Shillong, the 26th June, 2020 which states that there are another four limestone mines of different owners lying within 500 metres from the applied mining lease area. Hence the applied mining area falls under

cluster category since total area of the other mines is summed up to 7.779 hectares. The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the office of the Director of Mineral Resources, Government of Meghalaya, Shillong vide letter No.DMR/MM/203/2018/6548, dated Shillong, the 29th January 2019. The Mining Plan has been prepared to extract Lime stone at an average annual production of 12580 TPA with a project cost of Rs.24.50 lacs and the operations will be open cast, semi-mechanized method of mining

As per the Mining Plan, the mineable reserves of limestone are of the order of 68000 tonnes. The production in the period of the mining plan will be around 61,190 tonnes in 5 years. Therefore, the balance reserves will be (68000-61190) or 6810 tonnes. If the annual production target is 12580 tonnes, the balance reserve will be sufficient for (6810/12580) or 0.54 years. Thus, the total life of the mine is 5+0.54 or say 6 years.

The project already awarded Term of Reference by the State Environment Impact Assessment Authority, Meghalaya vide letter No.ML/SEIAA/MIN/EKH/62/2020/4/2116 dated 24th November 2020 and submitted the final EIA/EMP for the proposed Mining of Lime stone where the project proponent complied all the points in compliance to the Term of Reference prepared by Indian Mine Planners and Consultants.

The public hearing was held on 20th January 2021 conducted by the Meghalaya State Pollution Control Board presided by the Addl. District Magistrate, East Khasi Hills District.

RECOMMENDATION:

The State Environment Impact Assessment Authority, Meghalaya, in the meeting held on 20th July, 2021 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 the following conditions.

- 1) To increase the allocation for construction and maintenance of settling tanks and garland drains, periphery walls etc to 10 lakhs for a one time period.
- 2) 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.
- 3) CER should be included in the capital cost and it should be increased to a minimum of Rs 1 lakh annually.

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/204581/2021 submitted by Shri. Philosopher lawphniaw.

The Project Proponent Shri. Philosopher lawphniaw submitted online application for Environmental Clearance vide proposal No. SIA/ML/MIN/204581/2021 for mining of limestone for an area of 4.077 hectares. The proposal is for mining of lime stone use for construction purposes. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The mining lease area

is located Village-Sohdoit-U-LumMawlong, MawlongSirdarship, East Khasi Hills District, Meghalaya and toposheet Survey of India No.780/16 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 11' 12.2040"N	91° 41' 38.2437"E
2	25° 11' 15.2932"N	91° 41' 31.9719"E
3	25° 11' 18.3738"N	91° 41' 25.7046"E
4	25° 11' 21.4276"N	91° 41' 19.4496"E
5	25° 11' 24.4783"N	91° 41' 13.1692"E
6	25° 11' 22.7223"N	91° 41' 12.9696"E
7	25° 11' 19.6277"N	91° 41' 19.2117"E
8	25° 11' 16.6146"N	91° 41' 25.4873"E
9	25° 11' 13.5623"N	91° 41' 31.7425"E
10	25° 11' 10.4779"N	91° 41' 37.9701"E

The proposed land is on lease vide lease deed made on 28.12.2017 and certified by Notary.

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/8/NOC/Limestone/41/Pt.IV/637, dated Shillong, 7th May 2018 and letter of Intent vide letter No.KH/8ML/Limestone/68/1497-A dated 16th June, 2018 and subsequently renewed vide letter No.KH/8/ML/Limestone/68/6117 dated Shillong, the 24th January 2020. The project proponent obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Government of Meghalaya, vide letter No.DMR/MM/216/2018/1026 dated Shillong, the 6th September, 2019 which states that there are another three limestone mines of different owners lying within 500 metres from the applied mining lease area. Hence the applied mining area falls under cluster category since total area of the other mines is summed up to 7.343 hectares. The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the office of the Director of Mineral Resources, Government of Meghalaya, Shillong vide letter No.DMR/MM/215/2018/1143, dated Shillong, the 16th October 2018. The Mining Plan has been prepared to extract Lime stone at an average annual production of 523130 TPA with a project cost of Rs.24.50 lacs and the operations will be open cast, semi-mechanized method of mining

As per the Mining Plan, the mineable reserves of limestone are of the order of 25,80,000 tonnes. The production in the period of the mining plan will be around 24,38,000 tonnes in 5 years. Therefore, the balance reserves will be (25,80,000-24,38,000) or 1,42,000 tonnes. If the production target is 5,23,130 tonnes, the balance reserve will be sufficient for (142006/523130) or 0.27 years. Thus, the total life of the mine is 5+0.27 or say 6 years.

The project already granted Auto Standard Term of Reference by the State Environment Impact Assessment Authority, Meghalaya vide F.No.ML/SEIAA/MIN/EKH/P-13/2020 dated 24th April 2020 and submitted the final EIA/EMP for the proposed Mining of Lime stone where the project proponent complied all the points in compliance to the Term of Reference prepared by Indian Mine Planners and Consultants.

The public hearing was held on 20th January 2021 conducted by the Meghalaya State Pollution Control Board presided by the Addl. District Magistrate, East Khasi Hills District.

RECOMMENDATION:

The State Environment Impact Assessment Authority, Meghalaya, in the meeting held on 20th July, 2021 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 the following conditions.

- 1) To increase the allocation for construction and maintenance of settling tanks and garland drains, periphery walls etc to Rs 10 lakhs for a one time period.
- 2) 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.
- 3) CER should be included in the capital cost and it should be increased to a minimum of Rs 1 lakh annually.

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.

2.4 : Proposal No.SIA/ML/MIN/52917/2020 submitted by Smt. Arbibora Chyne.

The Project Proponent Smt. ArbiboraChyne submitted online application for Environmental Clearance vide proposal No. SIA/ML/MIN/52917/2020 for mining of limestone for an area of 2.0 hectare. The proposal is for mining of lime stone use for construction purposes. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The mining lease area is located Mawlong Sohpieng, Mawlong Sirdarship, East Khasi Hills District, Meghalaya and topo sheet Survey of India No.780/12 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 11' 34.7"N	91° 41' 39.1"E
2	25° 11' 36.2"N	91° 41' 23.1"E
3	25° 11' 37.8"N	91° 41' 23.1"E
4	25° 11' 36.3"N	91° 41' 39.1"E

The proposed land for mining belongs to the project proponent as per the affidavit submitted and certified by Magistrate First Class, Subordinate District Council Court, Shillong on the 14th July, 2015.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, East Khasi Hills & RiBhoi Territorial Division, Shillong vide letter No.KH/8/NOC/Limestone/41/Pt.IV/3357, dated Shillong, the 3rd August 2018 and letter of Intent vide letter No.KH/8/ML/Limestone/68/9986 dated Shillong, the 14th December 2017, subsequently renewed vide letter No.KH/8/ML/Limestone/68/6975 dated Shillong, the 11th March 2020. The project proponent obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Government of Meghalaya, vide letter No.DMR/MM/228/2018/1710 dated Shillong, the 21st January, 2020 which states that there are another four limestone mines of different owners lying within 500 metres from the applied mining lease area. Hence the applied

mining area falls under cluster category since total area of the other mines is summed up to 9,938 hectares.

The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the office of the Director of Mineral Resources, Government of Meghalaya, Shillong vide letter No.DMR/MM/228/2018/2100-A, dated Shillong, the 14th March 2019. The Mining Plan has been prepared to extract Lime stone at an average annual production of 70000 TPA with a project cost of Rs.85.00 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 of 590501 but after leaving residual benches, the net total Mineable Reserves comes to 360677 MT. As the mine is targeted to produce 70000 MT of limestone per annum and taking 250 as the average number of working days per annum, the anticipated life of the mine will be 5.15 years, say 6 years.

The project already awarded Term of Reference by the State Environment Impact Assessment Authority, Meghalaya vide letter No.ML/SEIAA/MIN/EKH/P-18/2020/1229 dated 24th June 2020 and submitted the final EIA/EMP for the proposed Mining of Lime stone where the project proponent complied all the points in compliance to the Term of Reference prepared by Indian Mine Planners and Consultants.

The public hearing was held on 20th January 2021 conducted by the Meghalaya State Pollution Control Board presided by the Addl. District Magistrate, East Khasi Hills District.

RECOMMENDATION:

The State Environment Impact Assessment Authority, Meghalaya, in the meeting held on 20th July, 2021 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 the following conditions.

- 1) To increase the allocation for construction and maintenance of settling tanks and garland drains, periphery walls etc to Rs 10 lakhs for a one time period.
- 2) 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.
- 3) CER should be included in the capital cost and it should be increased to a minimum of Rs 1 lakh annually.

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.

2.5 : Proposal No.SIA/ML/MIN/202714/2021 submitted by Shri Khrawkumar Lyngdoh Talang.

The Project Proponent, Shri Khrawkupar Lyngdoh Talang submitted online application vide proposal No. SIA/ML/MIN/202714/2021 for Environmental Clearance for Amselang Limestone Mine for mining of boulder stone for an area of 1.97 hectares. The proposal for mining of boulder stone is to be used for construction purposes and hence the project fall under Schedule 1(a) of category B2 of EIA Notification 2006. The area located at Amselang (Amtapoh) Nongtalang, West Jaintia Hills District, Meghalaya and topo sheet Survey of India No. 83C/4/16 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25°14'22.5"N	92°04'38.5" E
2	25°14'16.5"N	92°04'35.3" E
3	25°14'18.2"N	92°04'31.8" E
4	25°14'23.3"N	92°04'35.1" E

The proposed mining area belongs to the project proponent vide Gift Deed made on 12th November 2018 certified by Sub-Registrar, Amlarem Civil Sub Division.

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/IR/F.C/RO/2019-20/985/B/1494 dated Jowai the 14th January 2021 and letter of Intent vide No. JH/KLT/L.S/M.L/2020-21/B/ 1634 dated Jowai the 5th February 2021.

The project proponent has obtained a cluster certificate from the Divisional Mining Officer, Directorate of Mineral Resources, Meghalaya, Jowai vide letter No.DMO-J/46/MM/Mining Plan/2020-21/134 dated Jowai, the 3rd March 2021 where it is mentioned that there is no approved mining plan located within 500 metres. Hence, the Environment Management Plan is not required.

The project proponent submitted approved mining plan by Divisional Mining Officer, Directorate of Mineral Resources, Meghalaya, Jowai vide letter no. DMO-J/46/MM/Mining Plan/2020-21/132 dated Jowai the 1st March 2021. The Mining Plan has been prepared to extract lime stone at 131075 TPA with a project cost of Rs.23.50 lakhs and the operations will be open cast, semi-mechanized method of mining.

As per the mining plan, the mineable reserves of boulder stone are of the order of 10, 50,000 tons. The production in the period of the mining plan will be around 5,31,225 metric tons in 5 years and the balance reserve will be (10,50,000-5,31,225) or 5,18,775 tons. If the production target is 1, 31,075 tons, the balance reserves will be sufficient for 518775/131075 or 3.96 years. Thus the total life of the mine is 5+3.96= 8.96 years or say 9 years.

RECOMMENDATION:


The State Environment Impact Assessment Authority, Meghalaya, in the meeting held on 20th July,, 2021 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 the following conditions.

- 1) To increase the allocation for construction and maintenance of settling tanks and garland drains, periphery walls etc to Rs 10 lakhs for a one time period.
- 2) 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.
- 3) CER should be included in the capital cost and it should be increased to a minimum of Rs 1 lakh annually.

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.

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


Chairman
SEIAA
Meghalaya, Shillong.

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

Dated Shillong the July 2021

Copy to :

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


Member Secretary
SEIAA
Meghalaya, Shillong