



STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

:: MEGHALAYA ::

'Silviculture Building', Lower Lachumiere, Shillong -793001

Email: ms.seiaamegh@gmail.com

MINUTES OF THE MEETING OF THE SEIAA, MEGHALAYA.

HELD ON 17th November, 2023, AT 1:30 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 & E Member 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 20th October, 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/437607/2023 submitted by Shri. Paristar M. Sangma

The Project Proponent, Shri. Paristar M. Sangma submitted an online application vide proposal No.SIA/MLIMTN/437607/2023 for Environmental Clearance for Dudanggre Stone Mine for mining of boulder stone for an area of 0.54 hectare. The proposal is for mining of boulderstone to be used for construction of buildings & making/dressing of roads. The project falls under Schedule 1(a) of category B2 of EIA Notification, 2006. The mining lease area is located at Dudanggre P.O Chibinang, P.S. Phulbari, West Garo Hills District, Meghalaya and SOI toposheet No. G46M1 within the following GPS Coordinates;

Pillar No.	GPS Coordinates	
	Latitude	Longitude
1	25° 50' 43.55" N	90° 08' 34.93" E
2	25° 50' 43.87" N	90° 08' 33.08" E
3	25° 50' 45.39" N	90° 08' 32.98" E
4	25° 50' 47.66" N	90° 08' 34.32" E
5	25° 50' 46.54" N	90° 08' 35.67" E
6	25° 50' 45.26" N	90° 08' 34.31" E

The proposed land belongs to the project proponent vide Affidavit and Deed of Agreement which was executed on the 31st August, 2022 and certified by the Public Notary, West Garo Hills, Meghalaya.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, West & South-West Garo Hills (T) Division, Tura vide letter No.B/16/VII/NOC/MMMCR/3585-87 dated Tura, the 20th October, 2022 and Letter of Intent vide letter No.B/16/VII/474 dated Tura, the 14th February, 2023 respectively.

The project proponent obtained a cluster certificate from the Divisional Mining Officer, East Garo Hills, Williamnagar vide letter No.DMO-W/MP/15/2023/15 dated Williamnagar the 25th April, 2023 which states that there is no approved mining plan 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 Divisional Mining Officer, East Garo Hills District, Williamnagar vide letter No.DMO-W/MP/93/2023/280 dated Williamnagar, the 23rd March, 2023. The Mining Plan has been prepared to extract boulderstone at the rate of 8999.7 TPA with a project cost of ₹84.7 lakhs and the operations will be open cast, mechanized method of mining.

As per the approved mining plan, the estimated life of the mine is 6years.

Decision:

The State Environment Impact Assessment Authority, Meghalaya, in its meeting 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 Environmental 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 Environmental 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. 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.
2. 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.
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 GREENBELT, 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 increase the number of saplings to be planted. The Nurseries for the approved species as given in the EIA report should be created before commencement of the mining plan and the types of species should be according to the Forest Department Plantation Norms (Amended in 31.03.2023) & plantation should be done in the 1st and 2nd year of the planed period.
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 CTE & CTO 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 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/439047/2023 submitted by Shri. Tomen Marak

The Project Proponent, Shri. Tomen Marak submitted an online application vide proposal No.SIA/ML/MIN/439047/2023 for Environmental Clearance for Allokdia Stone Mine for mining of boulderstone for an area of 1.10 hectares. The proposal is for mining of boulderstone to be used for construction of buildings & making/dressing of roads. The project falls under Schedule 1(a) of category B2 of EIA Notification, 2006. The mining lease area is located at Allokdia, P.O Hollaidanga, P.S Tikrikilla, West Garo Hills District, Meghalaya and SOI toposheet No. G46M1 within the following GPS Coordinates;

Pillar No.	GPS Coordinates	
	Latitude	Longitude
1	25° 55' 12.78" N	90° 07' 27.94" E
2	25° 55' 12.41" N	90° 07' 31.41" E
3	25° 55' 16.36" N	90° 07' 32.07" E
4	25° 55' 16.38" N	90° 07' 29.19" E

The proposed land is on lease for a period of 15 years vide Deed of Lease which was executed on the 19th April 2022 and certified by the Sub-Registrar, West Garo Hills, Meghalaya.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, West & South-West Garo Hills (T) Division, Tura vide letter No. B/16/VII/NOC/MMMCR/3442-44 dated Tura, the 6th October, 2022 and Letter of Intent vide letter No.B/16/VII/363 dated Tura, the 3rd February, 2023 respectively.

The project proponent obtained a cluster certificate from the Divisional Mining Officer, East Garo Hills, Williamnagar vide letter No.DMO-W/MP/15/2023/35 dated Williamnagar, the 8th June 2023 which states that there is no approved mining plan 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 Divisional Mining Officer, East Garo Hills District, Williamnagar vide letter No.DMO-W/MP/91/2023/13 dated Williamnagar, the 25th April 2023. The Mining Plan has been prepared to extract boulderstone at the rate of 51724.4 TPA with a project cost of ₹84.7 lakhs and the operations will be opencast, mechanized method of mining.

As per the approved mining plan, he estimated life of the mine is 6 years.

Decision:

The State Environment Impact Assessment Authority, Meghalaya, in its meeting 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 Environmental 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 Environmental 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. 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. CurtainDrainistobeconstructedproperlytointerceptthesurfacewaterfromflowingintotheminingareaandwaterflowingoutof 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 GREENBELT, 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 increase the number of saplings to be planted. The Nurseries for the approved species as given in the EIA report should be created before commencement of the mining plan and the types of species should be according to the Forest Department Plantation Norms (Amended in 31.03.2023) & 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 pillarswiththeheightnotlessthan2.5feetabovethegroundleveland1.5feet belowgroundandminimum8inchesonallfaceofpillarshouldbeerected.
10. GPScoordinatesofeachpillarshouldbecarved/paintedclearlyonthepillarswithRedcolour.
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 CTE & CTO 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.

2.3 Proposal No. SIA/ML/MIN/446151/2023 submitted by Smti. Jelika Khongrymmai

The Project Proponent, Smti. Jelika Khongrymmai submitted online application vide proposal No.SIA/ML./MIN/446151/2023 for Environmental Clearance for Temsuwai Limestone Mine for mining of limestone for an area of 1.64 hectare. The proposal is for mining of limestone to supply to lime kilns and for construction purposes. The project falls under Schedule 1(a) of category B2 of EIA Notification, 2006. The mining lease area is located at Temsuwai, Elaka Wahlong Sirdarship, East Khasi Hills District, Meghalaya and SOI toposheet No.780/12 within the following GPS Coordinates:

Pillar No.	GPS Coordinates	
	Latitude	Longitude
1	25° 11' 01.50"N	91° 42' 11.90"E
2	25° 11' 00.70"N	91° 42' 12.50"E
3	25° 10' 59.80"N	91° 42' 13.80"E
4	25° 10' 57.60"N	91° 42' 14.10"E
5	25° 10' 57.70"N	91° 42' 15.50"E
6	25° 10' 59.20"N	91° 42' 17.70"E
7	25° 11' 00.58"N	91° 42' 18.31"E
8	25° 11' 04.10"N	91° 42' 16.80"E
9	25° 11' 01.70"N	91° 42' 15.70"E

The proposed mining area is on lease for a period of 20 years vide Deed of Agreement executed on 18th August, 2020 certified by Notary Public.

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/3348 dated Shillong, the 19th October, 2020 and letter of Intent vide letter No.KH/8/ML/Limestone/68/3395 dated Shillong, the 20th October 2020 respectively.

The project proponent obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/95/2020/08 dated Shillong, the 28th January, 2021 which states that there are four (4) 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 these five mines is summed up to 12.0211 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/95/2020/04 dated Shillong, the 23rd December 2020. The Mining Plan has been prepared to extract limestone at the rate of 81,000 TPA with a project cost of ₹19.60 lakhs and the operations will be open cast, semi-mechanized method of mining.

The mineable reserves of limestone are of the order of 10,05,000 tonnes. The production in the period of the mining plan will be around 3,37,225 tonnes in 5 years. Therefore, the balance reserves will be $(10,05,000 - 3,37,225) = 6,67,775$ tonnes. If the production target is 81,000 tonnes, the balance reserve will be sufficient for $(6,67,775 / 81,000)$ or 8.24 years. Thus, the total life of the mine is $5 + 8.24 = 13.24$ years or say 13 years.

This project has received the Term of Reference (ToR) from the State Environment Impact Assessment Authority, Meghalaya vide letter No.ML/SEIAAIMIN/EKH/P-126/2021/455 dated Shillong the 3rd September, 2021 and submitted the final EIA/EMP for the proposed Mining area prepared by GEOGREEN ENVIRO HOUSE PVT. LTD.

Public Hearing for this project was held on 5th January 2022 conducted by the Meghalaya State Pollution Control Board and presided over by Smt. D. Phawa, MCS, ADC East Khasi Hills District and Chairperson, EPH (Environmental Public Hearing).

Decision:

The State Environment Impact Assessment Authority, Meghalaya, in its meeting 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 Environmental 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 Environmental 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. 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 GREENBELT, 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 increase the number of saplings to be planted. The Nurseries for the approved species as given in the EIA report should be created before commencement of the mining plan and the types of species should be according to the Forest Department Plantation Norms (Amended in 31.03.2023) & 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 CTE & CTO 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.

2.4 Proposal No. SIA/ML/MIN/440808/2023 submitted by Shri. Mathew Ch. Momin

The Project Proponent, Shri. Mathew Ch. Momin submitted an online application vide proposal No. SIA/ML/MIN/440808/2023 for Environmental Clearance for boulderstone mine for an area of 0.80 hectare. The proposal is for mining of boulderstone used for construction purposes; hence the project falls under Schedule 1(a) of category B1 of EIA Notification, 2006. The mining lease area is located at Bollonggre area, P.O Dhanua, P.S. Garobadha, West Garo Hills District Meghalaya and SOI Toposheet No.78G/14 within the following GPS Coordinates:

Pillar No.	GPS Coordinates	
	Latitude	Longitude
1	25° 39' 12.96" N	089° 57' 38.59" E
2	25° 39' 14.67" N	089° 57' 40.07" E
3	25° 39' 13.74" N	089° 57' 43.92" E
4	25° 39' 11.45" N	089° 57' 42.00" E

The proposed land is on lease for a period of 10 years which was executed on the 26th October 2017 and certified by the Sub-Registrar, West Garo Hills, Tura.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, West, South and South West Garo Hills Territorial Division, Tura vide letter No.B/16/VII/NOC/MMMCR/588-90 dated Tura, the 13th February 2019 and letter of Intent vide letter No.B/16/VII/617 dated Tura, the 15th February 2019 and subsequently renewed vide letter No.B/16/VII/1249-52 dated Tura, the 16th March 2020 issued by the Divisional Forest Officer, West, South 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/15/2019/88 dated Williamnagar the 26th August, 2019 which states that there are three approved mining plans lying within 500 metres from the applied mining lease area with a total cluster area of 12.46 hectares.

The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Divisional Mining Officer, Director of Mineral Resources, Government of Meghalaya, vide letter No.DMOW/MP/1/2019/30 dated Williamnagar, the 16th May 2015. The Mining Plan has been prepared to extract boulderstone at the rate of 4530 MTA with a project cost of Rs.7.1 lakhs and the operations will be opencast, semi-mechanized method of mining.

The mineable reserves of boulderstone are of the order of 3,61,300 tonnes. The production in the period of the mining plan will be around 22,650 tonnes in 5 years. Therefore, the balance reserves will be (3,61,300-22,650) or 3,38,650 tonnes. If the production target is 4530 tonnes, the balance reserve will be sufficient for (3,38,650/4530) or 74.75 years. Thus, the total life of the mine is 5+74.75=79.75 or say 80 years.

The project has received the Term of Reference (ToR) from the State Environment Impact Assessment Authority, Meghalaya vide letter No.ML/SEIAA/MIN/WGH/P-94/2020/4 dated Shillong the 14th January 2021 and submitted the final EIA/EMP for the proposed Mining area prepared by GEO GREEN ENVIRO HOUSE PVT. LTD.

The public hearing was held on 21st March 2022 conducted by the Meghalaya State Pollution Control Board and presided over by Shri. Raj Kr. Hajong, Executive Magistrate, West Garo Hills District.

Decision:

The State Environment Impact Assessment Authority, Meghalaya, in its meeting 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 Environmental 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 Environmental 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. 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 GREENBELT, 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 increase the number of saplings to be planted. The Nurseries for the approved species as given in the EIA report should be created before commencement of the mining plan and the types of species should be according to the Forest Department Plantation Norms (Amended in 31.03.2023) & 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 CTE & CTO 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.

15. Because of some opposition in the Public Hearing, blasting is not recommended to be carried out in the project site. The No Objection Certificate from the opposition which the project proponent has produced during the meeting is to be submitted to the office of the Deputy Commissioner, West Garo Hills District.

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/MLJMJN/420945/2023 submitted by Shri. Pleasureful Ahnam

The Project Proponent, Shri. Pleasureful Ahnam submitted an online application for Environmental Clearance vide proposal No.SIA/ML/.MIN/420945/2023 for Mookasnor Boulder Stone Mine for mining of boulderstone for an area of 1.45 hectares. The proposal is for mining of boulderstone to be used for construction of buildings & making/dressing of roads. The project falls under Schedule 1(a) of category B2 of EIA Notification, 2006. The mining lease area is located at Mookasnor, Wahiajer Village, West Jaintia Hills District, Meghalaya and Survey of India toposheet No.83 C/2 within the following GPS Coordinates:

Pillar No.	GPS Coordinates	
	Latitude	Longitude
1	25°31'30.91"N	92°10'38.86"E
2	25°31'31.73"N	92°10'37.32"E
3	25°31'32.13"N	92°10'35.62"E
4	25°31'30.83"N	92°10'35.38"E
5	25°31'28.71"N	92°10'35.47"E
6	25°31'26.73"N	92°10'35.01"E
7	25°31'24.40"N	92°10'36.27"E
8	25°31'25.74"N	92°10'37.29"E
9	25°31'27.17"N	92°10'37.48"E
10	25°31'29.23"N	92°10'38.03"E

The proposed land is on lease for a period of 20 years vide Deed of Lease executed on the 1st August 2022 and certified by the Notary Public, Government of Meghalaya.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, Jaintia Hills Territorial Division, Jowai vide letter No.JH/IR/EC/2022-23/985/8/1134 dated Jowai, the 30th September, 2022 and Letter of Intent vide letter No.JH/P.A/M.L/L.S/2022-23/B/842 dated Jowai, the 12th July, 2023 respectively.

The project proponent obtained a cluster certificate from the Divisional Mining Officer, Directorate of Mineral Resources, Meghalaya, Jowai vide letter No.DMO-J/9/MM/MiningPlan/2022-23/25 dated Jowai, the 24th January, 2023 which states that there is one (1) approved mining plan lying within 500 meters from the applied mining lease area with a combined total area of the two mines is 2.35 hectares. Hence the applied mining area does not fall under cluster category.

The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Divisional Mining Officer, Directorate of Mineral Resources, Meghalaya, Jowai vide letter No.DMO-J/79/MM/MiningPlan/2022-23/24 dated Jowai, the 23rd January, 2023. The Mining Plan has been prepared to extract boulderstone with a production of 20,060 TPA with a project cost of ₹16.00 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 3,57,630 MT. The production in the period of this mining plan will be around 100260 MT in 5 years. The balance

reserves will be $(357630-100260) = 257370\text{MT}$. If the yearly production target is 20,060 MT, then the balance reserves will be sufficient for $(257370/20060) = 12.83\text{years}$. Thus, total life of the mine is $5+12.83 = 17.83$ or say 18 years.

Decision:

The State Environment Impact Assessment Authority, Meghalaya, in its meeting 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 Environmental 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 Environmental 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. 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.
2. 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.
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 GREENBELT, 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 increase the number of saplings to be planted. The Nurseries for the approved species as given in the EIA report should be created before commencement of the mining plan and the types of species should be according to the Forest Department Plantation Norms (Amended in 31.03.2023) & plantation should be done in the 1st and 2nd year of the planned period.
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 CTE & CTO 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 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.

2.6 Proposal No.SIA/ML/MIN/436477/2023 submitted by Smti. Dolly Khonglah

The Project Proponent, Smti. Dolly Khonglah submitted an online application vide proposal No.SIA/ML/MIN/436477/2023 for re-appraisal and grant of fresh Environmental Clearance for Amsyndui Low Grade Limestone Deposit for an area of 0.35 hectare. The proposal is for mining of limestone and will be used in kilns for manufacturing lime to be used as building materials. The project falls under Schedule I(a) of category B2 of EIA Notification, 2006. The mining lease area is located at Amsyndui, Nongtalang Elaka, West Jaintia Hills District, Meghalaya and toposheet Survey of India No.83 C/4 within the following GPS Coordinates:

Pillar No.	GPS Coordinates	
	Latitude	Longitude
1	25°13'22.40"N	92°05'29.10"E
2	25°13'22.14"N	92°05'30.72"E
3	25°13'21.92"N	92°05'31.28"E
4	25°13'21.90"N	92°05'31.90"E
5	25°13'21.28"N	92°05'31.75"E
6	25°13'20.80"N	92°05'31.50"E
7	25°13'20.50"N	92°05'30.20"E
8	25°13'21.20"N	92°05'27.60"E

The proposed land is on lease for a period of 6 years vide Deed of Lease which was executed on the 16th August, 2015 and certified by the District Registrar, Amlarem Meghalaya. The project proponent also submitted an affidavit declaring that she is the bonafide person to take over the lease (Second Party/Lesse).

The project proponent submitted corrigendum from the Deputy Commissioner, West Jaintia Hills District, vide letter No.GEN-185/MiningPlan/KK/2017/358 dated Jowai, the 2nd August, 2018 and Letter of Intent from the Divisional Forest Officer, Jaintia Hills Territorial Division, Jowai vide letter No.JH/DKIML/LS/2022-23/Pt-II/935/B/559 dated Jowai, the 5th July, 2022.

The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Director of Mineral Resources, Meghalaya vide letter No.DMR/MM/ML/33/2017/1337 dated Shillong, the 25th September 2017. The Mining Plan has been prepared to extract limestone with a production of 14150 TPA with a project cost of Rs.16 lakhs and the operations will be semi-mechanized, open cast method of mining.

As per the approved mining plan the mineable reserve is 88102 Tonnes. Production upto 31st March is 59432 Tonnes. Thus, 59432 Tonnes of the total mineable reserve was worked out already and the rest quantity of mineable reserve i.e., $88102 - 59432 = 28670$ Tonnes. 28300 Tonnes would be exhausted in further 2 years with average annual production of 14150 Tonnes. 370 Tonnes would be mining loss. Therefore, the life of the mine will be 2years (2years in plan period).

The project has already been awarded Environmental Clearance by the Deputy Commissioner, West Jaintia Hills District, Jowai cum Chairman, District Environment Impact Assessment Authority, Meghalaya vide letter No.GEN-185/MiningPlan/KK/2017/275 dated Jowai the 19th December 2017 and also obtained a detail statement of royalty from the Divisional Forest Officer, Jaintia Hills Territorial Division, Jowai vide letter No.JH/DK/ML/LS/2022-23/Pt.II/935/B/1456 dated Jowai, the 18th October, 2023.

Decision:

The State Environment Impact Assessment Authority, Meghalaya, in its meeting noted the recommendation of the SEAC's Minutes relating to this project and decided to raise an ADS to the SEAC for the documents as stated by the Committee in their Minutes as mentioned above that the PP has furnished the non-forest land certificate, the Cluster certificate and the Compliance Report as per the conditions mention in EC that was granted by DEIAA.

2.7 Proposal No.SIA/ML/MIN/71169/2021 submitted by Smti. Preciously Bareh (M/s Korpet limestone Mine).

The Project Proponent, Smt. Preciously Bareh submitted online application vide proposal No. SIA/ML/MIN/71169/2021 for Environmental Clearance for mining of Lime stone for an area of 1.56 hectares. The proposal is for mining of lime stone to be used for construction purposes. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The mining lease area is located at Korpet, Nongtalang, West Jaintia Hills District, Meghalaya and toposheet Survey of India No.83C/4 within the following GPS Coordinates:

Pillar No.	GPS Coordinates	
	Latitude	Longitude
1	25° 12'54.5''N	92° 04'18.5''E
2	25° 12'54.7''N	92° 04'20.6''E
3	25° 12'54.8''N	92° 04'22.1''E
4	25° 12'55.6''N	92° 04'23.5''E
5	25° 12'55.9''N	92° 04'25.6''E
6	25° 12'56.5''N	92° 04'27.8''E
7	25° 12'56.3''N	92° 04'29.8''E
8	25° 12'58.1''N	92° 04'29.6''E
9	25° 12'57.8''N	92° 04'26.3''E
10	25° 12'57.1''N	92° 04'23.3''E
11	25° 12'56.2''N	92° 04'20.4''E
12	25° 12'55.9''N	92° 04'18.1''E

The proposed land is conveyed to the project proponent vide Deed of Gift made on the 25th May 2019, and certified by Notary, West Jaintia Hills District, Meghalaya.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, Jaintia Hills Territorial Division, Jowai vide letter No.JH/P.B/ML/L.S/2020-21/1067/B/392, dated Jowai, the 9th July 2020 and letter of Intent vide letter No.JH/MMMCR-2016/2016-17/869/B/391 dated Jowai, the 9th July 2020 respectively.

The project proponent obtained a cluster certificate from the Divisional Mining Officer, Directorate of Mineral Resources, Meghalaya, Jowai vide letter No.DMO-J/39/MM/Mining Plan/2020-2021/123 dated Jowai, the 8th October 2020 which states that there are six (6) 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 seven mines is summed up to 22.01 hectares.

The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Divisional Mining Officer, Directorate of Mineral Resources, Meghalaya, Jowai vide letter No.DMO-J/39/MM/Mining Plan/2020-21/122 dated Jowai, the 5th October 2020. The Mining Plan has been prepared to extract lime stone at the rate of 1,07,330 TPA with a project cost of Rs.19.50 lakhs and the operations will be open cast, semi-mechanized method of mining.

The mineable reserves of limestone are of the order of 5, 90,800 tonnes. The production in the period of the mining plan will be around 5, 35,050 tonnes in 5 years. Therefore, the balance reserves will be (5, 90,800 - 5, 35,050 = 55,750) tonnes. If the production target is 55,750 tonnes, the balance reserve will be sufficient for $55750 / 106930 = 0.52$ years. Thus, the total life of the mine is $5 + 0.52 = 5.52$ or say 6 years.

The project was already awarded Term of Reference by the State Environment Impact Assessment Authority, Meghalaya vide letter No.ML/SEIAA/MIN/WJH/P-123/2020/4/1870 dated 13th March 2021 and submitted the final EIA/EMP for the proposed Mining of Lime stone where the project proponent complied all the points in compliance to the Term of Reference prepared by GEOGREEN ENVIRO HOUSE PVT. LTD.

The public hearing was held on 5th November, 2021 which was conducted by the Meghalaya State Pollution Control Board and presided over by Shri. A.S Mukhim, MCS, ADC, West Jaintia Hills District.

Decision:

The State Environment Impact Assessment Authority, Meghalaya, in its meeting deliberated thoroughly on the matter relating to this project and after learning that The Project Proponent have furnished written clarifications related to the Amended Notification of MMMCR 2016, dated 21.09.2020 and came into force from 01.01.2020; (i) from the Divisional Forest Officer, Jaintia Hills Territorial Division, Jowai vide letter No.JH/P.B/ML/L.S/2020-21/1067/B/99, dated Jowai, the 10th April, 2023 and (ii) the Divisional Mining Officer, Directorate of Mineral Resources, Meghalaya, Jowai vide letter No.DMO-J/39/MM/Mining Plan/2020-21/12 dated Jowai, the 15th September 2023 wherein it has been mentioned that this project will not be subject to the aforementioned rules since it was already under consideration in the office when the amendment came into force.

Hence, the members unanimously resolved to grant Environmental Clearance to this project as per the EIA Notification- 2006 and its subsequent amendments, with 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 additional/specific conditions:

1. No blasting shall be involved for extraction of limestone.
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 GREENBELT, 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 increase the number of saplings to be planted. The Nurseries for the approved species as given in the EIA report should be created before commencement of the mining plan and the types of species should be according to the Forest Department Plantation Norms (Amended in 31.03.2023) & 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 CTE & CTO 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.

2.8 Proposal No.SIA/ML/MIN/443712/2023 submitted by Shri. Jengna Marak

The Project Proponent, Shri. Jengna Marak submitted online application vide proposal No.SIA/ML/MIN/443712/2023 for re-appraisal and grant of fresh Environmental Clearance for Manggapara Stone Mine for mining of boulderstone for an area of 1.28 hectares. The proposal is for mining of boulderstone use for construction purposes, hence the project fall under Schedule I(a) of category B1 of EIA Notification 2006. The area is located at Manggapara, P. O Zikabari, P. S Tura, West Garo Hills District Meghalaya and toposheet No. G46M2 with the following GPS Coordinates:

Pillar No.	GPS Coordinates	
	Latitude	Longitude
1	25°37'29.40"N	90°00'39.02"E
2	25°37'29.16"N	90°00'43.80"E
3	25°37'31.92"N	90°00'43.84"E
4	25°37'31.89"N	90°00'39.04"E

The proposed land is on lease for a period of 15 years vide Deed of Lease which was executed on the 22nd May 2017 and certified by the District Registrar, Tura, Meghalaya.

The applied area is a Non Forest Land which was confined by the Divisional Forest Officer, West & South-West Garo Hills (T) Division, Tura vide letter No. B/16NII/NOCIMMMCR/1465-471 dated Tura, the 20th June, 2017 and Letter of Intent vide letter No.B/16NIV2294, dated Tura, the 21st August, 2017 respectively.

The project proponent obtained a cluster certificate from the Divisional Mining Officer, East Garo Hills, Williamnagar vide letter No. DMO-W/MP/15/2023122 dated Williamnagar, the 19th May 2023 which states that there are three approved mining plan lying within 500 meters from the applied mining lease area. Hence the applied mining area falls under cluster category since the total area of total four mines are summed up to 5.3 hectares.

The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Divisional Mining Officer, East Garo Hills District, Williamnagar vide letter No.DMO-

W/MP/84/2022/57 dated Williamnagar, the 2nd August, 2023. The Mining Plan has been prepared to extract boulderstone at the rate of 79464TPA with a project cost of Rs.21.00 lakhs and the operations will be open cast, mechanized method of mining. As per the approved mining plan, the estimated life of the mine is 9.99 years or say 10 years.

The project was already awarded Environmental Clearance by the District Environment Impact Assessment Authority, Meghalaya vide letter No.WGH/DEIAA/EC/2017/2 dated Tura the 20th November, 2017 and also obtained a detail statement of royalty from the Divisional Forest Officer, West & South-West Garo Hills (T) Division, Tura vide letter No.B/16NII/1857 dated Tura, the 22nd May, 2023.

Decision:

The State Environment Impact Assessment Authority, Meghalaya, in its meeting noted the recommendation of the SEAC relating to this project and decided unanimously to Rejected the proposal since it falls under Cluster category with a total area of 5.3 hectare.

Agenda 3: Grant of Term of Reference (ToR)

3.1 Proposal No.SIA/ML/MIN/447249/2023 submitted by Uranus Stone Products & Co.

The Project Proponent, Uranus Stone Products & Co. submitted online application for Term of Reference vide proposal No.SIA/ML/MIN/447249/2023 for mining of boulderstone for an area of 4.96 hectares. The proposal is for mining of boulderstone to be used for construction purposes hence the project fall under Schedule 1(a) of category B1 of EIA Notification, 2006. The mining lease area is located at Umduba Village. Raid Marwet P.O Killing, P.S Khanapara, Ri Bhoi District, Meghalaya and No. G46H16 within the following GPS Coordinates:

Pillar No.	GPS Coordinates	
	Latitude	Longitude
1	26°04'16.59"N	91°49'35.66"E
2	26°04'16.56"N	91°49'34.26"E
3	26°04'15.30"N	91°49'29.25"E
4	26°04'13.62"N	91°49'29.92"E
5	26°04'12.54"N	91°49'31.33"E
6	26°04'10.49"N	91°49'32.21"E
7	26°04'08.98"N	91°49'33.38"E
8	26°04'08.49"N	91°49'35.66"E
9	26°04'09.32"N	91°49'37.13"E
10	26°04'11.51"N	91°49'38.45"E
11	26°04'13.38"N	91°49'39.47"E
12	26°04'12.92"N	91°49'37.42"E
13	26°04'15.78"N	91°49'36.85"E

The proposed mining land is on lease for a period of 30 years vide Lease Deed made on the 8th September 2016 certified by District Registrar, RiBhoi District, Nongpoh, Meghalaya. The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer East Khasi Hills (T) Division, Shillong vide letter No.KH/9/NOC/StoneQuarry/41/Pt.II/2104 dated Shillong, the 6th July, 2017 with a corrigendum of the Non-Forest Land Certificate in respect of the co-ordinates vide letter No.KH/9/NOC/STONE/41/Pt.VI/5531 dated Shillong, the 6th December 2019 and letter of Intent vide letter No.KH/8/ML/Stone/69/2405 dated Shillong, the 12th July 2017 respectively.

The project proponent obtained a cluster certificate from the Mining Engineer, Directorate of

Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/45/2017/85 dated Shillong, the 6th July, 2023 as well as a Functional Status of Cluster Certificate from the office of the Divisional Forest Officer, East Khasi Hills & RiBhoi (T) Division, Shillong vide letter No.KH/8/NOC/USP&Co./154/3314 dated Shillong, the 19th September 2023 which states that there is one(1) approved functional mine lying within 500 meters from the applied mining lease area with a total area of these two mines is 6.65 hectares. Hence the applied mining area falls under cluster category.

The project proponent submitted modification of Mining Plan with Progressive Mine Closure Plan approved by the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No. DMR-/MM/1145/2017/81 dated Shillong the 9th June, 2023. The Mining Plan has been prepared to extract limestone at the rate of 231347 TPA with a project cost of Rs.48.00 lakhs and the operations will be open cast, semi-mechanized method of mining.

The mineable reserves of boulderstone are of the order of 1495520 MT. The production in the period of the mining plan will be around 750700 MT in 5 years. Therefore, the balance reserves will be (1495520-750700) or 744820MT. If the production target is 150140 MT, the balance reserve will be sufficient for (744820/150140) or 4.96 years. Thus, the total life of the mine is 5+4.96=9.96 years or say 10 years.

Decision:

The State Environment Impact Assessment Authority, Meghalaya, in the meeting held on 17th November 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 Terms of Reference 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 Terms of Reference to this project, with the terms and conditions as stipulated in "Standard TOR 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 vide Ministry' OM No.22-34/2018-IA-III dtd 16.01.2020;

- 1) 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.
- 2) Boundary pillars with the height not less than 2.5 feet above the ground level and 1.5feet below ground and minimum 8 inches on all face of pillar should be erected.
- 3) GPS coordinates of each pillar should be carved/painted clearly on the pillars with Red colour.
- 4) Plagiarism check certificate for EIA/EMP report has to be furnished.
- 5) Source of data taken from external sources is to be mentioned clearly.

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.

3.2 Proposal No. SIA/ML/MIN/70240/2021 submitted by Shri. Donkumar Massar (M/s Borsora Limestone Mine Block III).

The Project Proponent, Shri. Donkumar Massar submitted online application for Term of Reference vide proposal No.SIA/ML/MIN/70240/2021 for Borsora Limestone Mine (Block III) for mining of Lime stone for an area of 4.97 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 Borsora, 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°12'04.600" N	91°11'10.400" E
2	25°12'10.500" N	91°11'17.280" E
3	25°12'15.060" N	91°11'12.190" E
4	25°12'09.170" N	91°11'06.070" E

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

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, SF & Territorial Division, West & South West Khasi Hills, vide letter No. T/W&SW/20/NOC (L)/170 dated Nongstoin, the 9th February, 2021 and Letter of Intent vide No.T/W&SW/20-21/ML/LS/145/365 dated Nongstoin the 12th March, 2021.

The project proponent has obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, vide letter No.DMR/MM/132/2021/07 dated Shillong, the 9th November 2021 where it is mentioned 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 four mines is summed up to 16.65 hectares.

The project proponent submitted mining plan approved by the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/132/2021/2 dated Shillong, the 23rd September 2021. The Mining Plan has been prepared to extract limestone at 310165Tonnes with a project cost of Rs. 24.8 Lakhs and the operations will be open cast, semi-mechanized method of mining.

As per the mining plan, the mineable reserves would be 4650537 Tonnes with an average annual production of 310036 (4650537/15=310036) Tonnes. The average annual production of limestone may be different from annual production of five years plan period. Thus, 1550401 Tonnes of the total mineable reserve will be worked out in first five years and the rest quantity of mineable reserve i.e. (4650537-1550401) = 3100136 Tonnes would be exhausted in further 10 years @ 310014 Tonnes per annum. Therefore, the life of the mine will be 15 years (five years in plan period + ten years in conceptual period).

Decision:

The State Environment Impact Assessment Authority, Meghalaya, in its meeting 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 Terms of Reference 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 Terms of Reference to this project, with the terms and conditions as stipulated in "Standard TOR 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 vide Ministry' OM No.22-34/2018-IA-III dtd 16.01.2020;

- 1) No blasting shall be involved for extraction of limestone.

- 2) Operational Area shall be restricted at a distance of 100 meters from the Border Road and additional Pillars shall be erected along with GPS Coordinates marking the 100 meters distance from the said road.
- 3) LOI ought to be renewed as the validity has expired.
- 4) 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.
- 5) A Comprehensive Environment Management Plan and Regional Environment Management Plan is to be furnished in the EIA/EMP.
- 6) Source of data taken from external sources is to be mentioned clearly.

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.

3.4 Proposal No. SIA/ML/MIN/70323/2021 submitted by Shri. Donkumar Massar (M/s Borsora Limestone Mine Block IV).

The Project Proponent, Shri Donkumar Massar submitted online application for Term of Reference vide proposal No.SIA/ML/MIN/70323/2021 for Borsora Limestone Mine (Block IV) for mining of Lime stone for an area of 4.96 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 Borsora, 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°12'27.200" N	91°11'11.500" E
2	25°12'30.700" N	91°11'21.800" E
3	25°12'27.530" N	91°11'25.330" E
4	25°12'22.210" N	91°11'13.260" E

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

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, SF & Territorial Division, West & South West Khasi Hills, vide letter No. T/W&SW/20/NOC (L)/163 dated Nongstoin, the 9th February, 2021 and Letter of Intent vide No.T/W&SW/20-21/ML/LS/145/366 dated Nongstoin the 12th March, 2021.

The project proponent has obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, vide letter No.DMR/MM/133/2021/07 dated Shillong, the 9th November 2021 where it is mentioned that that there are two (2) 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 14.59 hectares.

The project proponent submitted mining plan approved by the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/133/2021/2 dated Shillong, the 23rd

September 2021. The Mining Plan has been prepared to extract limestone at 263655 Tonnes with a project cost of Rs. 24.6 Lakhs and the operations will be open cast, semi-mechanized method of mining.

As per the mining plan, the mineable reserves would be 3949830 Tonnes with an average annual production of 263322 ($3949830/15=263322$) Tonnes. The average annual production of limestone may be different from annual production of five years plan period. Thus 1317150 Tonnes of the total mineable reserve will be worked out in first five years and the rest quantity of mineable reserve i.e. ($3949830-1317150$)= 2632680 Tonnes would be exhausted in further 10 years @ 263268 Tonnes. Therefore, the life of the mine will be 15 years (five years in plan period + ten years in conceptual period).

Decision:

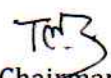
The State Environment Impact Assessment Authority, Meghalaya, in its meeting noted the recommendation in the above said SEAC's Minutes relating to this project and accepted the recommendation of the SEAC and unanimously resolved to grant Terms of Reference to this project.

Accordingly, on recommendation of the SEAC and as per the EIA Notification- 2006 and its subsequent amendments, the SEIAA in the meeting unanimously grant Terms of Reference to this project, with the terms and conditions as stipulated in "Standard TOR 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 vide Ministry' OM No.22-34/2018-IA-III dtd 16.01.2020;

- 1) No blasting shall be involved for extraction of limestone.
- 2) Operational Area shall be restricted at a distance of 100 meters from the Border Road and additional Pillars shall be erected along with GPS Coordinates marking the 100 meters distance from the said road.
- 3) LOI ought to be renewed as the validity has expired.
- 4) 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.
- 5) A Comprehensive Environment Management Plan and Regional Environment Management Plan is to be furnished in the EIA/EMP.
- 6) Source of data taken from external sources is to be mentioned clearly.

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.

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


Chairman
State Environment Impact Assessment Authority
Meghalaya, Shillong.