



# STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA)

:: MEGHALAYA ::

'Silviculture Building', Lower Lachumiere, Shillong - 793 001

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## **MINUTES OF THE MEETING OF THE SEIAA, MEGHALAYA.**

**HELD ON 8<sup>th</sup> AUGUST, 2023, AT 3:00 p.m.**

**VENUE: OFFICE CHAMBER OF THE CHAIRMAN**

### **Members present in the Meeting:**

1. Shri T.T.C. Marak, IFS (Retd.) .....Chairman, SEIAA
2. Dr. H.J. Syiemlieh, Professor, Dept. of Geography, 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 19<sup>th</sup> July, 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/424191/2023 submitted by Shri. Salseng K. Marak**

#### **Deliberation:**

The Project Proponent, Shri. Salseng K. Marak submitted an online application vide proposal No. SIA/ML/MIN/424191/2023 for Environmental Clearance for Manggapara Stone Mine for mining of boulder stone for an area of 1.96 hectares. 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 Manggapara, P.O Selsella, P.S Garobadha, West Garo Hills District, Meghalaya and toposheet No. G46M2 with the following GPS Coordinates:

Pillar No.	GPS Coordinates	
	Latitude	Longitude
1	25° 36' 43.06"N	90° 01' 43.21"E
2	25° 36' 40.10"N	90° 01' 41.18"E
3	25° 36' 37.71"N	90°01' 40.95"E
4	25° 36' 36.68"N	90° 01' 38.74"E
5	25° 36' 38.95"N	90° 01' 37.26"E
6	25° 36' 42.79"N	90° 01' 37.82"E

The proposed land is on lease for a period of 20 years vide Deed of Lease which was executed on the 20<sup>th</sup> December, 2021 and certified by the District Registrar, Tura, 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/1794-96 dated Tura, the 17<sup>th</sup> June, 2022 and Letter of Intent vide letter No.B/16/VII/3659, dated Tura, the 15<sup>th</sup> November, 2022 respectively.

The project proponent obtained a cluster certificate from the Division Mining Officer, East Garo Hills, Williamnagar vide letter No.DMO-W/MP/15/2019/265 dated Williamnagar, the 22<sup>nd</sup> March, 2023 which states that there is no approved mining plan lying within 500 meters 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/88/22/116 dated Williamnagar, the 6<sup>th</sup> December 2022. The Mining Plan has been prepared to extract boulder stone at the rate of 134851 TPA with a project cost of ₹ 117.70 lakhs and the operations will be open cast, mechanised method of mining.

As per the approved mining plan, the estimated life of the mine is 6.5 years or say 7 years.

### **Decision:**

The State Environment Impact Assessment Authority, Meghalaya, in the meeting held on 8<sup>th</sup> August, 2023 noted and accepted the recommendation in the above said SEAC's Minutes relating to this project 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. 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 ₹1 lakh per annum and double the number of plants to be planted. Nurseries of approved species 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 1<sup>st</sup> and 2<sup>nd</sup> year of the planed period.
8. CER should be included in the capital cost and it should be increased to a minimum of ₹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 faces of the 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.

## 2.2. Proposal No. SIA/ML/MIN/434854/2023 submitted by Smti. Ruthina D. Marak (Amania Enterprise)

### Deliberation:

The Project Proponent, Smti. Ruthina D. Marak submitted an online application vide proposal No.SIA/ML/MIN/434854/2023 for Environmental Clearance for (Genggandi) Manggapara Stone Mine for mining of boulder stone for an area of 1.92 hectare. The proposal is for mining of boulderstone use for construction purposes, hence the project fall under Schedule I(a) of category B2 of EIA Notification 2006. The area is located at located at (Genggandi) Manggapara, West Garo Hills District, Meghalaya and toposheet No. G46M2 with the following GPS Coordinates:

Pillar No.	GPS Coordinates	
	Latitude	Longitude
1	25° 37' 43.95"N	90° 00' 35.63"E
2	25° 37' 42.22"N	90° 00' 40.93"E
3	25° 37' 47.55"N	90°00' 42.01"E
4	25° 37' 48.63"N	90° 00' 40.00"E
5	25° 37' 46.58"N	90° 00' 38.07"E

The proposed land is on lease for a period of 15 years vide Deed of Rectification which was executed on the 2nd August 2021 and certified by the District Registrar, Tura, 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/3545-47 dated Tura, the 8th September, 2021 and Letter of Intent vide letter No.B/16/VII/758, dated Tura, the 14th March, 2022 respectively.

The project proponent obtained a cluster certificate from the Divisional Mining Officer, East Garo Hills, Williamnagar vide letter No.DMO-W/MP/15/2019/268 dated Williamnagar, the 22<sup>nd</sup> March 2023 which states that there are two approved mining plan lying within 500 meters from the applied mining lease area and the total area of three mines is summed up to 3.85 hectares. 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/79/2022/105 dated Williamnagar, the 17th November 2022. The Mining Plan has been prepared to extract boulder stone at the rate of 68414.4 TPA with a project cost of ₹ 90.64 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 5 years.

**Decision:**

The State Environment Impact Assessment Authority, Meghalaya, in the meeting held on 8<sup>th</sup> August, 2023 noted and accepted the recommendation in the above said SEAC's Minutes relating to this project 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) 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 ₹1 lakh per annum and double the number of plants to be planted. Plantation should be done in the 1<sup>st</sup> and 2<sup>nd</sup> year of the planed period.
- 8) CER should be included in the capital cost and it should be increased to a minimum of ₹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.

**2.3. Proposal No. SIA/ML/MIN/407232/2022 submitted by Green Valliey Industries Limited (M/s) GVIL Ordinary Clay Mine).**

**Deliberation:**

The Project Proponent, Green Valliey Industries Limited submitted an online application for Environmental Clearance vide proposal No.SIA/ML/MIN/407232/2022 for GVIL Ordinary Clay Mine for mining of clay for an area of 3.52 hectares. The proposal is for mining of clay to be used as additive in cement making. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The mining lease area is located at Nongsning Village, Elaka Sutnga, East Jaintia Hills District, Meghalaya and toposheet Survey of India No. G4608 within the following GPS Coordinates:

GPS Coordinates					
Pillar No.	Latitude	Longitude	Pillar No.	Latitude	Longitude
1	25° 14'30.8"N	92° 23'54.2"E	17	25° 14'41.0"N	92° 23'58.0"E
2	25° 14'31.8"N	92° 23'53.8"E	18	25° 14'41.0"N	92° 23'58.3"E
3	25° 14'32.1"N	92° 23'53.5"E	19	25° 14'40.2"N	92° 23'58.8"E
4	25° 14'32.8"N	92° 23'52.6"E	20	25° 14'39.6"N	92° 23'59.0"E
5	25° 14'33.3"N	92° 23'52.1"E	21	25° 14'38.9"N	92° 23'59.0"E
6	25° 14'34.9"N	92° 23'54.1"E	22	25° 14'38.3"N	92° 23'59.1"E
7	25° 14'35.7"N	92° 23'54.6"E	23	25° 14'37.1"N	92° 23'59.0"E
8	25° 14'36.5"N	92° 23'54.7"E	24	25° 14'36.2"N	92° 23'58.8"E
9	25° 14'38.4"N	92° 23'55.0"E	25	25° 14'35.3"N	92° 23'58.6"E
10	25° 14'39.2"N	92° 23'55.2"E	26	25° 14'35.0"N	92° 23'58.8"E
11	25° 14'39.8"N	92° 23'55.2"E	27	25° 14'34.3"N	92° 23'58.8"E
12	25° 14'40.3"N	92° 23'55.6"E	28	25° 14'33.5"N	92° 23'58.3"E
13	25° 14'40.8"N	92° 23'56.4"E	29	25° 14'33.0"N	92° 23'57.8"E
14	25° 14'40.8"N	92° 23'56.4"E	30	25° 14'32.6"N	92° 23'57.5"E
15	25° 14'40.8"N	92° 23'56.8"E	31	25° 14'31.7"N	92° 23'57.9"E
16	25° 14'41.0"N	92° 23'57.4"E	32	25° 14'31.3"N	92° 23'55.5"E

The proposed mining area is on lease for a period of 25 years vide Lease Agreement made on the 8<sup>th</sup> day of September 2020 certified by the Public Notary, East Jaintia Hills District, Meghalaya.

The applied area is a Non-Forest Land which was confirmed by the Conservator of Forests (T), Khasi & Jaintia Hills, Meghalaya, Shillong, vide letter No.MFG.22/385/Vol-II/9588, dated Shillong, the 8<sup>th</sup> November 2021 and Letter of Intent confirmed by the Divisional Mining Officer, Directorate of Mineral Resources, Meghalaya, Jowai, vide letter DMO-J/ML-MM/4/2020-21/05 dated Jowai the 8<sup>th</sup> October, 2020.

The project proponent obtained a cluster certificate from the Division Mining Officer, Directorate of Mineral Resources, Meghalaya, Jowai vide letter No.DMO-J/68/MM/Mining Plan/2021-22/06 dated Jowai, the 4<sup>th</sup> April 2022 which states that there no approved mining plan lying within 500 meters 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, Directorate of Mineral Resources, Meghalaya, Jowai vide letter No.DMO-J/68/MM/MiningPlan/2021-22/02 dated Jowai, the 4<sup>th</sup> April 2022. The Mining Plan has been prepared to clay at the rate of 60000 Cm per annum with a project cost of ₹16.50 lakhs and the operations will be open cast, mechanized method of mining.

The mineable reserves of clay are of the order of 569713 M<sup>3</sup>. The production in the period of the mining plan will be around 2,55,000 M<sup>3</sup> in 5 years. Therefore, the balance reserves will be  $569713 - 255000 = 314713$  M<sup>3</sup>. If the yearly production target is 60000 M<sup>3</sup>, the balance reserve will be sufficient for  $(314713 / 60000) = 5.24$  years. Thus, the total life of the mine is  $5 + 6 = 11$  years.

#### **Decision:**

The State Environment Impact Assessment Authority, Meghalaya, in the meeting held on 8<sup>th</sup> August, 2023 noted and accepted the recommendation in the above said SEAC's Minutes relating to this project 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) 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 ₹1 lakh per annum and double the number of plants to be planted. Plantation should be done in the 1<sup>st</sup> and 2<sup>nd</sup> year of the planed period.
- 8) CER should be included in the capital cost and it should be increased to a minimum of ₹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.

**2.4 Proposal No. SIA/ML/MIN/416574/2023 submitted by Shri. Kaldok Ch.Sangma (M/s Dura Bija Bisik Stone Mine)**

**Deliberation:**

The Project Proponent, Shri. Kaldok Ch. Sangma submitted an online application for Environmental Clearance vide proposal No.SIA/ML/MIN/416574/2023 for Dura Bija Bisik Stone Mine for an area of 2.00 hectares. The proposal is for mining of boulder stone 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 Dura Bija Bisik, P.O. Dhanua, P.S. Garobadha, Selsella, West Garo Hills District, Meghalaya and toposheet Survey of India No.78G/14 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 44' 37.260"N	91° 39' 24.540"E
2	25° 44' 43.200"N	91° 39' 28.140"E
3	25° 44' 41.580"N	91° 39' 35.640"E
4	25° 44' 35.700"N	91° 39' 32.880"E

The proposed mining area is on lease for a period of 20 years vide Deed of Lease made on the 8<sup>th</sup> August 2019 at Tura certified by District Registrar, Tura, Meghalaya.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, West & South-West Territorial Division, Tura vide letter No.B/16/VII/NOC/MMMCR/3872-74 dated Tura, the 28<sup>th</sup> September, 2020 and Letter of Intent vide letter No.B/16/VII/4860, dated Tura, the 7<sup>th</sup> December, 2020 respectively.

The project proponent obtained a cluster certificate from the Division Mining Officer, East Garo Hills, Williamnagar vide letter No.DMO-W/MP/15/2019/28 dated Williamnagar, the 2<sup>nd</sup> July 2021 which states that there are six (6) 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 seven mines is summed up to 17.28 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/61/2020/335 dated Williamnagar, the 25<sup>th</sup> March 2021. The Mining Plan has been prepared to extract lime stone at the rate of 132124 TPA with a project cost of ₹ 83.44 lakhs and the operations will be open cast, mechanized method of mining.

As stated in the mining plan, the anticipated life of the mine is 5.14 years.

The project was already awarded Term of Reference by the State Environment Impact Assessment Authority, Meghalaya vide letter No.ML/SEIAA/MIN/WGH/P-214/2021/1267 dated Shillong the 26<sup>th</sup> November 2021 and submitted the final EIA/EMP for the proposed Mining of Lime stone where the project proponent complied all the points in compliance to the Term of Reference prepared by Sathi Planners Pvt. Ltd., Lake Avenue, Kanke Road, Ranchi – 834 008.

The public hearing was held on 11<sup>th</sup> October 2022 which was conducted by the Meghalaya State Pollution Control Board and presided over by Shri. T. R. Marak, MCS, ADC, West Garo Hills District, Tura.

#### **Decision:**

The State Environment Impact Assessment Authority, Meghalaya, in the meeting held on 8<sup>th</sup> August, 2023 noted and accepted the recommendation in the above said SEAC's Minutes relating to this project 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) 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 ₹1 lakh per annum and double the number of plants to be planted. Plantation should be done in the 1<sup>st</sup> and 2<sup>nd</sup> year of the planed period.
- 8) CER should be included in the capital cost and it should be increased to a minimum of ₹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: Term of Reference (ToR)**

#### **3.1 Proposal No. SIA/ML/MIN/433428/2023 submitted by Umtyra Limestone & Clay Deposit (Goldstone Cements Ltd.)**

##### **Deliberation:**

The Project Proponent, Goldstone Cements Ltd. submitted online application for Term of Reference vide proposal No.SIA/ML/MIN/433428/2023 for Umtyra Limestone and Clay Deposit for mining of limestone and clay for an area of 6.7892 hectare. The proposal is for mining of limestone and clay shall be used captively by the clinker manufacturing plant of the Lessee. The project falls under Schedule 1(a) of category B1 of EIA Notification 2006. The mining lease area is located at Umtyra area, Chiehruphi Village, Khliehriat Taluka, P.S. Lumshnong, East Jaintia Hills District, Meghalaya and toposheet Survey of India Toposheet No. 83C/8 within the following GPS Coordinates:

Pillar No.	GPS Coordinates	
	Latitude	Longitude
1	25°12'00.03965"N	92°21'31.59498"E
2	25°12'0.02"N	92°21'31.63"E

3	25°12'00.90"N	92°21'30.29"E
4	25°12'1.30"N	92°21'29.79"E
5	25°12'2.30"N	92°21'28.69"E
6	25°12'02.87"N	92°21'27.62"E
7	25°12'3.40"N	92°21'26.59"E
8	25°12'04.20"N	92°21'25.79"E
9	25°12'05.00"N	92°21'24.99"E
10	25°12'05.57"N	92°21'24.07"E
11	25°12'05.75"N	92°21'22.86"E
12	25°12'5.92"N	92°21'21.71"E
13	25°12'7.70"N	92°21'21.39"E
14	25°12'08.76"N	92°21'21.48"E
15	25°12'9.88"N	92°21'21.62"E
16	25°12'11.30"N	92°21'22.69"E
17	25°12'11.86"N	92°21'23.65"E
18	25°12'12.46"N	92°21'24.64"E
19	25°12'11.71"N	92°21'25.68"E
20	25°12'10.89"N	92°21'26.67"E
21	25°12'10.50"N	92°21'28.69"E
22	25°12'8.82"N	92°21'28.29"E
23	25°12'7.66"N	92°21'27.18"E
24	25°12'7.01"N	92°21'28.24"E
25	25°12'6.80"N	92°21'29.49"E
26	25°12'6.81"N	92°21'30.49"E
27	25°12'7.40"N	92°21'31.49"E
28	25°12'7.40"N	92°21'32.99"E
29	25°12'7.00"N	92°21'32.71"E
30	25°12'5.50"N	92°21'32.59"E
31	25°12'4.37"N	92°21'34.12"E
32	25°12'3.24"N	92°21'35.33"E
33	25°12'2.72"N	92°21'35.72"E
34	25°12'1.76"N	92°21'34.26"E
35	25°12'1.10"N	92°21'33.21"E
36	25°12'09.62086"N	92°21'22.69461"E
37	25°12'09.66930"N	92°21'25.96506"E
38	25°12'09.77218"N	92°21'27.94363"E

39	25°12'06.68663"N	92°21'23.58724"E
40	25°12'06.64074"N	92°21'26.15771"E
41	25°12'06.59665"N	92°21'29.72972"E
42	25°12'06.48134"N	92°21'31.62685"E
43	25°12'03.73822"N	92°21'28.02674"E
44	25°12'03.32586"N	92°21'31.57374"E
45	25°12'03.35705"N	92°21'34.32683"E
46	25°12'01.97478"N	92°21'29.92355"E
47	25°12'01.81966"N	92°21'32.99784"E

The proposed mining belongs to the Project Proponent vide Deed of Sale made on the 27<sup>th</sup> March, 2018 certified by District Registrar, East Jaiñtia Hills District, Khliehriat, Meghalaya.

The applied area is a Non-Forest Land which was confirmed by the Conservator of Forests (T), Khasi & Jaiñtia Hills, Meghalaya, Shillong, vide letter No.MFG.16/50/Goldstone/183, dated Shillong, the 4<sup>th</sup> April, 2022 and the Letter of Intent (LoI) for Grant of Mining Lease (ML) was issued by State Government under sub-rule (3) of Rule 27 of the Minerals (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016, Grant Order No. MG. 72/2022/242, dated 28.09.2022.

The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Deputy Controller of Mines (In-charge), Ministry of Mines, Indian Bureau of Mines, O/o the Regional controller of Mines, Guwahati vide letter No. MCDR-MPC0LST/2/2023-GUH-IBM\_RO GUH dated 6<sup>th</sup> June, 2023. The Mining Plan has been prepared to extract clay and limestone at the rate of 121908.59 MTPA and 358369.01 MTPA respectively, with a project cost of ₹ 804.5 lakhs and the operations will be open cast, mechanized method of mining.

As per the mining plan, the life of the mine will be 15 years including the plan period.

**Decision:**

The State Environment Impact Assessment Authority, Meghalaya, in the meeting held on 8<sup>th</sup> August, 2023 noted and accepted the recommendation of the SEAC and unanimously resolved to grant Term 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:

- 1) LOI ought to be renewed as the validity has expired.
- 2) Site photographs together with photographs and other related details of site visits by resource persons of NABET accredited consultant of project proponent, with their names and profession/designation, together with date(s) of visit, date(s) of data collection including names of instrument/machine actually used in the field, during preparation of EIA report, is to be clearly highlighted in the EIA/EMP report.
- 3) 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.

- 4) GPS coordinates of each pillar should be carved/painted clearly on the pillars with Red colour.
- 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/76255/2022 submitted by Shri. Kingkong Ch. Marak (M/s Manggapara Stone Mine).**

#### **Deliberation:**

The Project Proponent, Shri. Kingkong Ch. Marak submitted an online application for Term of Reference vide proposal No.SIA/ML/MIN/76255/2022 for Manggapara Stone Mine for an area of 1.00 hectares. The proposal is for mining of boulder stone 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 Manggapara, P.O. Zekabari, West Garo Hills District, Meghalaya and toposheet Survey of India No.78 K/2 within the following GPS Coordinates:

Pillar No.	GPS Coordinates	
	Latitude	Longitude
1	25° 37'34.92"N	90° 00'38.70"E
2	25° 37'35.08"N	90° 00'41.54"E
3	25° 37'35.11"N	90° 00'43.59"E
4	25° 37'32.20"N	90° 00'46.03"E
5	25° 37'32.60"N	90° 00'42.55"E
6	25° 37'32.84"N	90° 00'41.23"E

The proposed mining area is on lease for periods of 25 years vide Deed of Lease Agreement made on the 12<sup>th</sup> May 2017 certified by District Registrar, Tura, 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/556-58 dated Tura, the 4<sup>th</sup> February, 2021 and Letter of Intent vide letter No.B/16/VII/551, dated Tura, the 4<sup>th</sup> February, 2021 respectively.

The project proponent obtained a cluster certificate from the Division Mining Officer, East Garo Hills, Williamnagar vide letter No.DMO-W/MP/15/2019/172 dated Williamnagar, the 15<sup>th</sup> December 2021 which states that there are five (5) 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 six mines is summed up to 6.657 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/66/2021/156 dated Williamnagar, the 3<sup>rd</sup> November 2021. The Mining Plan has been prepared to extract stone at the rate of 38750 TPA with a project cost of ₹ 51.70 lakhs and the operations will be open cast, mechanized method of mining.

As stated in the mining plan, the anticipated life of the mine is 5.4 years.

**Decision:**

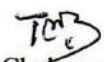
The State Environment Impact Assessment Authority, Meghalaya, in the meeting held on 8<sup>th</sup> August, 2023 noted and accepted the recommendation of the SEAC and unanimously resolved to grant Term of Reference to this project.

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:

- 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) A Comprehensive Environment Management Plan and Regional Environment Management Plan is to be furnished in the EIA/EMP.
- 3) 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.
- 4) GPS coordinates of each pillar should be carved/painted clearly on the pillars with Red colour.
- 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.

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

  
Chairman  
State Environment Impact Assessment Authority  
Meghalaya, Shillong.