



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

‘Silviculture Building’, Lower Lachumtere, Shillong - 793 001  
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**MINUTES OF THE MEETING OF THE SEIAA, MEGHALAYA,**

**HELD ON 1<sup>st</sup> November, 2021, AT 1:00 PM,**

**VENUE: OFFICE CHAMBER OF THE CHAIRMAN.**

**Members present in the Meeting:**

1. Shri T.T.C. Marak, IFS (Retd.).....Chairman, SEIAA
2. Dr. H.J. Syiemlieh, Professor, Dept. of Geography, NBHU .....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 16<sup>th</sup> September, 2021 and circulated the Minutes of the said meeting. The meeting approved the actions taken and confirmed the proceedings.

**Agenda 2 : Grant of Term of Reference (TOR)**

**2.1 Proposal No. SIA/ML/MIN/66818/2021 submitted by Shri. Leaderly Kharbani.**

The Project Proponent, Shri. Leaderly Kharbani submitted online application for Term of Reference vide proposal No.SIA/ML/MIN/66818/2021 for Umtingaw Limestone Mine for mining of Lime stone for an area of 3.95 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 Umtingaw, Mawlong, Mawlong Sirdarship, East Khasi Hills, Meghalaya and toposheet Survey of India No.78 O/12 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 10.709'N	91° 40.914'E
2	25° 10.710' N	91° 40.954'E
3	25° 11.043 'N	91° 41.007'E
4	25° 11.043'N	91°40.970' E

The proposed mining area is on lease for a period of 50 years vide Deed of Lease executed on the 31<sup>st</sup> August 2020 certified by Notary, East Khasi Hills, Meghalaya.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, East Khasi Hills & Ri Bhoi (T) Division vide letter No.KH/8/NOC/Limestone/41/Pt.IV/4541, dated Shillong, the 21<sup>st</sup> December 2020 and letter of Intent vide letter No.KH/8/ML/Limestone/68/ 4577 dated Shillong, the 21<sup>st</sup> December 2020 respectively.

The project proponent obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/109/2021/18 dated Shillong, the 10<sup>th</sup> August 2021 which states 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 11.01 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/109/2021/13 dated Shillong, the 7<sup>th</sup> July 2021. The Mining Plan has been prepared to extract lime stone at the rate of 201790 MTPA with a project cost of Rs.29.00 lakhs and the operations will be open cast, semi-mechanized method of mining.

The mineable reserves would be 2017900 Tonnes with an average annual production of 201790 (2017900/10=201790) Tonnes. The average annual production of limestone may be different from annual production of five years plan period. Thus, 1008625 Tonnes of the total mineable reserve will be worked out in first 5 years and the rest quantity of mineable reserve i.e. (2017900-1008625)= 1009275 Tonnes would be exhausted in further 5 years @201855 tonnes per annum. Therefore, the life of the mine will be 10 years (five years in plan period + 5 years in conceptual period). An unknown river is flowing about 1 km away from the area.



**Recommendation:**

After due screening and examination of all the documents submitted by the Project Proponent and site cross checking and deliberation by using kml file through Google earth, as site visit could not be undertaken due to COVID 19 lockdown; the committee unanimously recommended for standard Terms of Reference (ToR) with the following additional conditions:

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

Member Secretary shall prepare the draft Term of Reference for this project and circulate the same to all Members of the Authority for views/comments/corrections, if any, and then after approval of the Chairman, the Member Secretary shall issue the final Environment Clearance.

**Agenda 3 : Grant of Environmental Clearance (EC)****3.1 Proposal SIA/ML/MIN/218801/2021 submitted by Shri. Sotneng M. Marak**

The Project Proponent, Shri. Sotneng M. Marak submitted online application vide proposal No.SIA/ML/MIN/218801/2021 for Environmental Clearance for Wakrugre Stone Mine for mining of boulder stone for an area of 3.4 hectares. The proposal for mining of boulder stone is to be for various construction purposes and hence the project fall under Schedule 1(a) of category B2 of EIA Notification 2006. The area located at Wakrugre, P.O. Zekabari 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°38'22.48"N	89°58'54.21" E
2	25°38'24.32"N	89°58'57.40" E
3	25°38'28.12"N	89°58'57.93" E
4	25°38'29.79"N	89°58'53.11" E
5	25°38'27.44"N	89°58'49.62" E

The proposed mining area is on lease for a period of 10 years vide Deed of Lease certified by District registrar, Tura made on 21<sup>st</sup> November 2019.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, West and South-West Garo Hills (T) Division, Tura, vide letter No.B/16/VII/NOC/MMMCR/2323-25 dated Tura the 12th June, 2020 and letter of Intent vide Memo No.B/16/VII/2356-59 dated Tura, the 12<sup>th</sup> June 2020.

The project proponent has obtained a cluster certificate from the Divisional Mining Officer, East Garo Hills District, Meghalaya vide letter No.DMO-W/MP/15/2019/25 dated Williamnagar, the 2<sup>nd</sup> July 2021 where it is mentioned that that there is another mine of different owner lying within 500 metres from the applied mining lease area and the total of these two mines is summed up to 4.69 Ha. which is less than 5 Ha. Hence, the Environment Management Plan is not required.

The project proponent submitted mining plan approved by the Divisional Mining Officer, East Garo Hills, Meghalaya vide letter No.DMO-W/MP/63/2020/336 dated Williamnagar, the 25th March 2021. The Mining Plan has been prepared to extract boulder stone at 449453 TPA with a project cost of Rs.95.19 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 2,082,558.60 MT. The production in the period of this mining plan will be around 2,05,8815 MT in 5 years. Based on the product the anticipated life of the mine is  $(771318/762524) \times 5 = 5.06$  years.

**Recommendation:**

After due screening and examination of all the documents submitted by the Project Proponent and site cross checking and deliberation by using kml file through google earth, as site visit could not be undertaken due to COVID 19 lockdown; the committee unanimously recommended for Grant of Environment Clearance with the following additional conditions:

1. LOI ought to be renewed as the validity has been expired.
2. The Project Proponent has to construct a wall of requisite height along the periphery to ensure that no run off to the nearby agricultural land human settlement, water bodies takes place.
3. A settling Tank is to be constructed, at a suitable site within the mining area for collection of debris, sediment, silt, fragmented stones etc carried by surface water channelized through the



- Curtain drain. The deposited debris, spoils etc are to be removed/cleared, both from the tank and drain as and when required. Overflowing water, if any, flowing downhill shall be dispersed but precautions to be taken that spoils etc. generated from mining are not carried along.
4. Curtain Drain is to be constructed properly to intercept the surface water from flowing into the mining area and water flowing out of the mine channelized to the Settling tank.
  5. If any debris etc. overflows to adjoining land/agricultural field etc. during the mining operation, Monitoring Agency is to take necessary action as per relevant section(s) of Water (Prevention & Control of Pollution) Act, 1974.
  6. In annual EMP budget under GREEN BELT, creation of plantations including nursery cost, fencing etc the notified norms of Forest and Environment Department, Govt of Meghalaya is to be followed strictly, including financial cost. Budget under said head stands revised accordingly.
  7. Provision of toilets under the scheme must be avoided except for providing bio-toilets. Providing toilet facilities are covered under various schemes of Central/State govt of which the most popular is the Swachh Bharat Mission. This will eliminate scope of duplication/overlap.
  8. Health camps can be organized once a year. However it is mandatory under Occupational Health & Safety to provide personal protective and safety equipment like helmet, specified shoes/boots; for mining activities, dust proof mask, gloves, medical kit etc to the workers engaged in mining site.

Member Secretary shall prepare the draft Environmental Clearance for this project and circulate the same to all Members of the Authority for views/comments/corrections, if any, and then after approval of the Chairman, the Member Secretary shall issue the final Environment Clearance.

### 3.2 Proposal No.SIA/ML/MIN/219348/2021submitted by Shri. Esing Ch Sangma

The Project Proponent, Shri. Esing Ch Sangma submitted online application vide proposal No.SIA/ML/MIN/219348/2021for Environmental Clearance for Tekring Darengre Stone Mine of M/S Meghna Stone Quarry for an area of 1.75 hectares. The proposal for Quarrying of stone is to be for various construction purposes and hence the project fall under Schedule 1(a) of category B2 of EIA Notification 2006. The area located at Tekring Darengre, P.O. & P.S. Hallidayganj, West Garo Hills District, Meghalaya and toposheet Survey of India No. 78 G/14 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25°42'49.90"N	89°55'20.30" E
2	25°42'48.40"N	89°55'24.50" E
3	25°42'52.30"N	89°55'27.30" E
4	25°42'54.00"N	89°55'23.90" E

The proposed mining area is on lease for a period of 15 years vide Deed of Lease made on 13<sup>th</sup> day of January 2020 certified by District Registrar, Tura, Meghalaya.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, West and South-West Garo Hills (T) Division, Tura, vide letter No.B/16/VII/NOC/MMMCR/4376-78 dated Tura the 23<sup>rd</sup> October, 2020 and letter of Intent vide letter Memo No.B/16/VII/4720 dated Tura, the 27<sup>th</sup> November 2020.

The project proponent has obtained a cluster certificate from the Divisional Mining Officer, East Garo Hills District, Meghalaya vide letter No.DMO-W/MP/15/2019/27 dated Williamnagar, the 2<sup>nd</sup> July 2021 where it is mentioned that that there is no other mine lying within 500 metres from the applied mining lease area of 1.75 hectares which is less than 5 Ha. Hence, the Environment Management Plan is not required.

The project proponent submitted mining plan approved by the Divisional Mining Officer, East Garo Hills, Williamnagar, Meghalaya vide letter No.DMO-W/MP/62/2021/337 dated Williamnagar, the 25<sup>th</sup> March 2021. The Mining Plan has been prepared to extract boulder stone at 143360 MTPA with a project cost of Rs. 92.14 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 7, 12,670.4 MT. The production period of this mining plan will be around 7, 02,438 MT in 5 years. Base on the product the anticipated life of the mine is  $(263952/260162) = 1.0145 \times 5 = 5.07$  years.

### Recommendation

After due screening and examination of all the documents submitted by the Project Proponent and site cross checking and deliberation by using kml file through google earth, as site



visit could not be undertaken due to COVID 19 lockdown; the committee unanimously recommend for grant of Environment Clearance with the following conditions.

1. LOI ought to be renewed as the validity has been expired.
2. The Project Proponent has to construct a wall of requisite height along the periphery to ensure that no run off to the nearby agricultural land human settlement, water bodies takes place.
3. A settling Tank is to be constructed, at a suitable site within the mining area for collection of debris, sediment, silt, fragmented stones etc carried by surface water channelized through the Curtain drain. The deposited debris, spoils etc are to be removed/cleared, both from the tank and drain as and when required. Overflowing water if any flowing downhill shall be dispersed but precautions to be taken that spoils etc. generated from mining are not carried along.
4. Curtain Drain is to be constructed properly to intercept the surface water from flowing into the mining area and water flowing out of the mine channelized to the Settling tank.
5. If any debris etc. overflows to adjoining land/agricultural field etc. during the mining operation, Monitoring Agency is to take necessary action as per relevant section(s) of Water (Prevention & Control of Pollution) Act, 1974.
6. In annual EMP budget under GREEN BELT, creation of plantations including nursery cost, fencing etc the notified norms of Forest and Environment Department, Govt of Meghalaya is to be followed strictly, including financial cost. Budget under said head stands revised accordingly.
7. Provision of toilets under the scheme must be avoided except for providing bio-toilets. Providing toilet facilities are covered under various schemes of Central/State govt of which the most popular is the Swachh Bharat Mission. This will eliminate scope of duplication/overlap.
8. Health camps can be organized once a year. However it is mandatory under Occupational Health & Safety to provide personal protective and safety equipment like helmet, specified shoes/boots; for mining activities, dust proof mask, gloves, medical kit etc to the workers engaged in mining site.

Member Secretary shall prepare the draft Environmental Clearance for this project and circulate the same to all Members of the Authority for views/comments/corrections, if any, and then after approval of the Chairman, the Member Secretary shall issue the final Environment Clearance.

### 3.3 Proposal No.SIA/ML/MIN/221662/2021 submitted by Shri. Raj Kumar Shaw

The Project Proponent Shri Raj Kumar Shaw, M/s PKS Bricks Industry submitted online application for Environmental Clearance vide proposal No.SIA/ML/MIN/221662/2021 for quarry permit for mining of Brick Earth for an area of 0.987 hectares. The proposal for mining of brick earth is for making bricks for construction purposes. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The mining lease area is located at Adanggre, Chandabhoi, South West Garo Hills District, Meghalaya and toposheet Survey of India No.78K/4 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 13' 40.4"N	90° 10' 25.3"E
2	25° 13' 40.6"N	90° 10' 25.4"E
3	25° 13' 40.9"N	90° 10' 24.1"E
4	25° 13' 43.0"N	90° 10' 24.5"E
5	25° 13' 45.1"N	90° 10' 24.6"E
6	25° 13' 46.1"N	90° 10' 24.7"E
7	25° 13' 45.3"N	90° 10' 27.4"E

The proposed mining area is on lease for a period of 5 years vide Deed of Lease made on the 15<sup>th</sup> February 2019 at Tura, certified by Notary, West Garo Hills.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, West, South and South West Garo Hills (T) Division, Tura vide letter No. B/16/VII/NOC/MMMCR/4065-66, dated Tura, the 30<sup>th</sup> October 2018 and letter of Intent vide letter No.B/16/VII/1767 dated Tura, the 7<sup>th</sup> May 2019. The Project Proponent also obtained the 'No Objection Certificate' issued by the District Agriculture Officer, West Garo Hills, Tura vide letter No.AGRI/WGH/NOC/2018-19/1150 dated Tura, the 5<sup>th</sup> October 2018 for clay excavation only and not for any other purpose that may make it unfit for cultivation of agricultural crops.

The Project Proponent obtained a cluster certificate from the Divisional Mining Officer, EastGaro Hills, Williamnagar vide letter No.DMO-W/MP/15/2019/46 dated Williamnagar, the 3rd July, 2020 which states that there is another mine of different owner lying within 500 metres from

the applied mining lease area and the total of these two mines is summed up to 2.487 Ha which is less than 5 Ha.

The Project Proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Divisional Mining Officer, East Garo Hills, Meghalaya, vide letter No.DMO-W/MP/21/2019/77, dated Williamnagar, the 7<sup>th</sup> August 2019. The Mining Plan has been prepared to extract brick earth at an average annual production of 4680 TPA or 12 lakhs bricks per year with a project cost of Rs. 8.00 lakh and the operations will be open cast, semi-mechanized method of mining.

As per the Mining Plan, the mineable reserves would be 28055 Tonnes/ 6859231 Nos. of bricks. But the permit holder has obtained the quarry permit only for 3 years with the production capacity of 12 lakh bricks or 4680 Tonnes of brick earth per year and thus total 14040 Tonnes of Brick Earth will be mined out during mining period of 3 years. So, the life of the mine will be 3 years.

#### Recommendation:

After due screening and examination of all the documents submitted by the Project Proponent and site cross checking and deliberation by using kml file through Google earth, as site visit could not be undertaken due to COVID 19 lockdown; the committee unanimously recommend for grant of Environment Clearance with the following conditions.

1. LOI ought to be renewed as the validity has been expired.
2. Curtain drains to be constructed to intercept the surface water runoff, if any, including debris etc. overflowing to the 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.

Member Secretary shall prepare the draft Environmental Clearance for this project and circulate the same to all Members of the Authority for views/comments/corrections, if any, and then after approval of the Chairman, the Member Secretary shall issue the final Environment Clearance.

#### 3.4 Proposal No.SIA/ML/MIN/215045/2021 submitted by Shri Ruther D. Sangma

The Project Proponent Shri Ruther D. Sangma, submitted online application for Environmental Clearance for Bolgange Brick Earth Mine vide proposal No.SIA/ML/MIN/215045/2021 for mining of Brick earth for an area of 2.86 hectares. The proposal for mining of brick earth is for making bricks for construction purposes. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The mining lease area is located at Bolgange, South West Garo Hills District, Meghalaya and toposheet Survey of India No.78K/2 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 33' 47.61"N	90° 05' 02.45"E
2	25° 33' 46.39"N	90° 05' 00.47"E
3	25° 33' 44.58"N	90° 05' 02.59"E
4	25° 33' 42.43"N	90° 05' 00.46"E
5	25° 33' 43.50"N	90° 04' 59.30"E
6	25° 33' 40.36"N	90° 04' 56.07"E
7	25° 33' 38.69"N	90° 04' 57.45"E
8	25° 33' 42.07"N	90° 05' 01.19"E
9	25° 33' 41.31"N	90° 05' 02.77"E
10	25° 33' 41.71"N	90° 05' 03.20"E
11	25° 33' 40.78"N	90° 05' 04.95"E
12	25° 33' 42.14"N	90° 05' 07.27"E

The proposed mining area is on lease for a period of 20 years vide Deed of Lease executed on the 9<sup>th</sup> May 2019, certified by Sub-Registrar, South West Garo Hills, Ampati.

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/428-430, dated Tura, the 4<sup>th</sup> February 2020 and letter of Intent vide letter No.B/16/VII/431 dated Tura, the 4<sup>th</sup> February 2020. The Project Proponent also obtained the 'No Objection Certificate' issued by the District Agriculture Officer, South West Garo Hills, Tura vide letter No.AGRI/SWGH/DAO/NOC-22/2020-21/446 dated Ampati, the 14<sup>th</sup> December 2020.



The project proponent obtained a cluster certificate from the Divisional Mining Officer, East Garo Hills, Williamnagar vide letter No.DMO-W/MP/15/2019/51 dated Williamnagar, the 28<sup>th</sup> April 2021 which states that there is another mine of different owner lying within 500 metres from the applied mining lease area and the total of these two mines is summed up to 3.485 Ha which is less than 5 Ha.

The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Divisional Mining Officer, East Garo Hills District, Meghalaya, vide letter No.DMO-W/MP/50/2020/121, dated Williamnagar, the 27<sup>th</sup> October 2020. The Mining Plan has been prepared to extract brick earth at an average annual production of 2250 TPA with a project cost of Rs. 7.05 lakh and the operations will be open cast, semi-mechanized method of mining.

As per the Mining Plan, the mineable reserves are of the order of 1,87,560 Tons. The production in the period of the mining plan will be around 11,250 Tons in 5 years. The balance reserves will be  $(187560 - 11250) = 1,76,310$  tons. If the production target is 2250 Tons, the balance reserve will be sufficient for  $(176310/2250) = 78.36$  years. Thus total life of the mine is  $(5 + 78.36) = 83.36$  say 84 years (base on the reserve).

#### Recommendation:

After due screening and examination of all the documents submitted by the Project Proponent and site cross checking and deliberation by using kml file through google earth, as site visit could not be undertaken due to COVID 19 lockdown; the committee unanimously recommend for grant of Environment Clearance with the following conditions.

- LOI ought to be renewed as the validity has been expired.
- Curtain drains to be constructed to intercept the surface water runoff, if any including debris etc. overflowing to the 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.

Member Secretary shall prepare the draft Environmental Clearance for this project and circulate the same to all Members of the Authority for views/comments/corrections, if any, and then after approval of the Chairman, the Member Secretary shall issue the final Environment Clearance.

#### 3.5 Proposal No.SIA/ML/MIN/216596/2021 submitted by Shri. Naresh Sangma

The Project Proponent Shri. Naresh Sangma, submitted online application for Environmental Clearance for RBI Bricks vide proposal No.SIA/ML/MIN/216596/2021 for mining of brick earth for an area of 2.00 hectares. The proposal for mining of brick earth is for making bricks for construction purposes. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The mining lease area is located at Kathalbari, P.O-P.S Garobadha, South West Garo Hills District, Meghalaya and topsheet Survey of India No.78G/14 within the following GPS Coordinates.

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 35' 23.1"N	89° 59' 02.5"E
2	25° 35' 24.2"N	89° 59' 02.2"E
3	25° 35' 25.0"N	89° 58' 59.6"E
4	25° 35' 23.2"N	89° 58' 58.6"E
5	25° 35' 20.0"N	89° 58' 56.3"E
6	25° 35' 18.7"N	89° 58' 58.9"E
7	25° 35' 18.6"N	89° 59' 01.0"E
8	25° 35' 20.5"N	89° 59' 01.6"E

The proposed mining area is on lease for a period of 5 years vide Deed of Lease executed on the 6<sup>th</sup> December 2018 at Tura, certified by Sub-Registrar, South West Garo Hills, Ampati.

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/3281-83, dated Tura, the 24<sup>th</sup> August 2020 and letter of Intent vide letter No.B/16/VII/3284- 87 dated Tura, the 24<sup>th</sup> August 2020. The Project Proponent also obtained the 'No Objection Certificate' issued by the District Agriculture Officer, South West Garo Hills, Tura vide letter No.AGRI/SWGH/DAO/NOC-22/2018-19/249 dated Ampati, the 23<sup>rd</sup> July 2018.

The project proponent obtained a cluster certificate from the Divisional Mining Officer, East Garo Hills, Williamnagar vide letter No.DMO-W/MP/15/2019/51 dated Williamnagar, the 3<sup>rd</sup> July 2020 which states that there is no mining plan lying within 500 metres from the applied mining lease of an area 2.00 Ha. The project proponent submitted the Mining Plan with Progressive Mine



Closure Plan approved by the Divisional Mining Officer, East Garo Hills District, Meghalaya, vide letter No.DMO-W/MP/14/2019/38, dated Williamnagar, the 22<sup>nd</sup> May 2019.

The Mining Plan has been prepared to extract brick earth at an average annual production of 4680TPA with a project cost of Rs. 8.0 lakhs and the operations will be open cast, semi-mechanized method of mining.

The mineable reserve would be 69478 Tonnes/17815000 Nos. of Bricks. But the permit holder will have obtained the quarry permit only for 3 years with the production quantity of 12 lakh bricks or 4680 tonnes of brick earth per year and thus total 14040 tonnes of brick earth will be mined out during mining period of 3 years. So the life of the mine will be 03 years.

#### Recommendation:

After due screening and examination of all the documents submitted by the Project Proponent and site cross checking and deliberation by using kml file through google earth, as site visit could not be undertaken due to COVID 19 lockdown; the committee unanimously recommend for grant of Environment Clearance with the following conditions.

1. LOI ought to be renewed as the validity has been expired.
2. Curtain drains to be constructed to intercept the surface water runoff, if any, including debris etc. overflowing to the 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.

Member Secretary shall prepare the draft Environmental Clearance for this project and circulate the same to all Members of the Authority for views/comments/corrections, if any, and then after approval of the Chairman, the Member Secretary shall issue the final Environment Clearance.

#### 3.6 Proposal No.SIA/ML/MIN/206853/2021submitted by Shri. Kojendro D. Sangma

The Project Proponent, Shri. Kojendro D. Sangma submitted online application vide proposal No.SIA/ML/MIN/206853/2021for Environmental Clearance for Rochonpara Boulder Stone Mine for an area of 1.1 hectares. The proposal for mining of stone is to be for construction purposes and hence the project fall under Schedule 1(a) of category B2 of EIA Notification 2006. The area located at Rochonpara area, P.O. Dhanua & P.S. Tura, 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°41'36.45"N	89°56'10.82" E
2	25°41'39.89"N	89°56'09.39" E
3	25°41'40.35"N	89°56'07.43" E
4	25°41'36.66"N	89°56'05.76" E

The proposed mining area is on lease for a period of 20 years vide Mining Lease Agreement made on 11<sup>th</sup> day of August 2016 certified by District Registrar, Tura, Meghalaya. The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, West, South and South-West Garo Hills (T) Division, Tura, vide letter No.B/16/VII/NOC/MMMCR/3721-23 dated Tura the 13<sup>th</sup> September, 2018 and letter of Intent vide letter No.B/16/VII/4746 dated Tura, the 3<sup>rd</sup>December 2018.

The project proponent has obtained a cluster certificate from the Divisional Mining Officer, East Garo Hills District, Meghalaya vide letter No.DMO-W/MP/15/2019/167 dated Williamnagar, the 24<sup>th</sup>February 2021 where it is mentioned that that there are three other mines lying within 500 metres from the applied mining lease area of 1.1 hectares in which the total area is less than 5 Ha. Hence, the Environment Management Plan is not required.

The project proponent submitted mining plan approved by the Divisional Mining Officer, East Garo Hills, Williamnagar, Meghalaya vide letter No.DMO-W/MP/18/2019/70 dated Williamnagar, the 2<sup>nd</sup>August 2019. The Mining Plan has been prepared to extract boulder stone at 41474 MTPA with a project cost of Rs.12.00 Lakhs and the operations will be open cast, semi-mechanized method of mining.

As per the mining plan, the mineable reserves would be 623380Tonnes with an average annual production of 41559 (623380/15=41559) Tonnes and production of boulder stone in first five years will be 206518 Tonnes. The average annual production of boulder stone may be different from the annual production of each of the first five years. The balance mineable reserve, 416862 Tonnes will be worked out in the subsequent 10 years @ 41686 Tonnes per annum. Therefore, the life of the mine will be 15 years (first five years in plan period + 10 years in conceptual period).

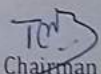
**Recommendation:**

After due screening and examination of all the documents submitted by the Project Proponent and site cross checking and deliberation by using kml file through Google earth, as site visit could not be undertaken due to COVID 19 lockdown; the committee unanimously recommend for grant of Environment Clearance with the following conditions.

1. LOI ought to be renewed as the validity has been expired.
2. The Project Proponent has to construct a wall of requisite height along the periphery to ensure that no run off to the nearby agricultural land human settlement, water bodies takes place.
3. A settling Tank is to be constructed, at a suitable site within the mining area for collection of debris, sediment, silt, fragmented stones etc carried by surface water channelized through the Curtain drain. The deposited debris, spoils etc are to be removed/cleared, both from the tank and drain as and when required. Overflowing water that flows downhill shall be dispersed but precautions to be taken that spoils etc. generated from mining are not carried along.
4. Curtain Drain is to be constructed properly to intercept the surface water from flowing into the mining area and water flowing out of the mine channelized to the Settling tank.
5. If any debris etc. overflows to adjoining land/agricultural field etc. during the mining operation, Monitoring Agency is to take necessary action as per relevant section(s) of Water (Prevention & Control of Pollution) Act, 1974.
6. In annual EMP budget under GREEN BELT, creation of plantations including nursery cost, fencing etc the notified norms of Forest and Environment Department, Govt. of Meghalaya is to be followed strictly, including financial cost. Budget under said head stands revised accordingly.
7. Provision of toilets under the scheme must be avoided except for providing bio-toilets. Providing toilet facilities are covered under various schemes of Central/State govt of which the most popular is the Swachh Bharat Mission. This will eliminate scope of duplication/overlap.
8. Health camps can be organized once a year. However it is mandatory under Occupational Health & Safety to provide personal protective and safety equipment like helmet, specified shoes/boots; for mining activities, dust proof mask, gloves, medical kit etc to the workers engaged in mining site.

Member Secretary shall prepare the draft Environmental Clearance for this project and circulate the same to all Members of the Authority for views/comments/corrections, if any, and then after approval of the Chairman, the Member Secretary shall issue the final Environment Clearance.

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

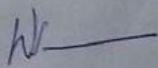
  
 Chairman  
 SEIAA  
 Meghalaya, Shillong.

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

Dated Shillong the Nov' 2021

Copy to :

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

  
 Member Secretary  
 SEIAA  
 Meghalaya, Shillong