

# STATE EXPERT APPRAISAL COMMITTEE (SEAC)

**::MEGHALAYA::**

Silviculture Building Adjacent to 'SYLVAN' House,  
Lower Lachumiere, East Khasi Hills, Shillong – 793001.

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## MINUTES OF 68<sup>th</sup> MEETING OF THE STATE EXPERT APPRAISAL COMMITTEE, MEGHALAYA SHILLONG HELD ON 14<sup>th</sup> July 2023, FOR ENVIRONMENTAL APPRAISAL OF NON-COAL MINING PROJECTS

### Members of the Committee present:

Sl.No	Name	Designation	Signature
1	Shri. Nababrata Bhattacharjee	Chairman SEAC	-Sd-
2	Shri. Millanburg R. Sangma	Member	
3	Dr. Highland Kayang	Member	-Sd-
4	Shri. Gideon Lamborlang Kharkongor	Member	-Sd-
5	Shri. Pynbiang Singh Nongbri	Member	-Sd-
6	Dr. Shiva Shankar Chaturvedi	Member	-Sd-
7	Dr. (Mrs) Van Jennifer Joan Wallang	Member	
8	Smti. Evansara Shullai, MFS Deputy Conservator of Forest (SF & Env.)	Member Secretary SEAC	-Sd-

The 68<sup>th</sup> meeting of State Expert Appraisal Committee (SEAC), Meghalaya, Shillong, held on 14<sup>th</sup> July 2023 from 2:00 P.M. on ward in the Conference Hall, office of the Principal Chief Conservator of Forests & HoFF, Meghalaya, Lower Lachumiere, Shillong – 793001, through offline method. At the outset the Chairman Shri. Nababrata Bhattacharjee, welcomed all the members of the Committee present and called the meeting to order. He requested the Member Secretary to initiate the discussion as per the agenda circulated vide letter No.ML/SEAC/Meeting/Vol-V/1/2023/11 dated the 12<sup>th</sup> July 2023, accordingly. All proposed mining areas are cross checked through google earth.

### 1. Confirmation of the minutes of the 67<sup>th</sup> Meeting held on 21<sup>st</sup> June 2023.

The minutes were confirmed.

### 2. Action taken report as per the decision taken in the 67<sup>th</sup> Meeting.

As per the decision taken in the 67<sup>th</sup> Meeting of the State Expert Appraisal Committee held on 21<sup>st</sup> June 2023, (7) seven proposals for Environmental Clearance, (2) two Terms of Reference and (2) two ADS and were recommended to the State Environment Impact Assessment Authority, Meghalaya.



### 3. ENVIRONMENTAL CLEARANCE

#### I. Proposal No.SIA/ML/MIN/424191/2023 submitted by Shri. Salseng K. Marak

The Project Proponent, Shri. Salseng K. Marak submitted 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 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/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 Rs.117.70 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 6.5 years or say 7 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. The committee unanimously recommended for grant of Environment Clearance 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 Rs. 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 Rs 1 lakh annually.
9. Boundary pillars with the height not less than 2.5 feet above the ground level and 1.5 feet below ground and minimum 8 inches on all face of pillar should be erected.
10. GPS coordinates of each pillar should be carved/painted clearly on the pillars with Red colour.



11. A board highlighting the name of project and project proponent, location name, total area of the mine, date of issue of EC by SEIAA and CTO & CTE by MSPCB should be installed at the entrance to the mining site and clearly visible.
12. Fencing of the boundary of site with minimum two strands of barbed wire or ordinary split bamboo fencing is to be erected all around the periphery of the approved mining area.
13. Storing and collection of water through rainwater harvesting for dust sprinkling and recharging of the aquifers.

## **II. Proposal No.SIA/ML/MIN/429368/2023 submitted by Shri. Tiwin B. Marak**

The Project Proponent, Shri. Tiwin B. Marak submitted online application for Environmental Clearance vide proposal No:SIA/ML/MIN/429368/2023 for Samanda A. King Boulder Stone for mining of boulder stone for an area of 1.81 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 Samanda Warima A. king, East Garo Hills District, Meghalaya and toposheet No.G46M10 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 34'6.14"N	90° 30'18.96"E
2	25° 34'8.86"N	90° 30'19.57"E
3	25° 34'11.19"N	90° 30'26.04"E
4	25° 34'7.03"N	90° 30'25.32"E

The proposed mining area belongs to the Project Proponent vide Affidavit/Declaration made on the 24<sup>th</sup> February 2023 certified by Public Notary, East Garo Hills, Meghalaya.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, East & North Garo Hills Territorial Division, Williamnagar vide letter No.B/16/IV/Z-A/7-14 dated Williamnagar, the 6<sup>th</sup> January, 2023 and Letter of Intent vide letter No.B/16/IV/Z-A/91, dated Williamnagar, the 23<sup>rd</sup> January, 2023 respectively.

The project proponent obtained a cluster certificate from the Division Mining Officer, East Garo Hills, Williamnagar vide letter No.DMO-W/MP/15/2023/19 dated Williamnagar, the 5<sup>th</sup> May 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 approved Mining Plan with Progressive Mine Closure Plan approved by the Divisional Mining Officer, East Garo Hills, Williamnagar, Meghalaya vide letter No.DMO\_W/MP/94/2023/121 dated Williamnagar the 25<sup>th</sup> April, 2023. The Mining Plan has been prepared to extract boulder stone at the rate of 150020 MTPA with a project cost of Rs.17.00 lakhs and the operations will be open cast, semi-mechanized method of mining.

The mineable reserves of stone are of the order of 610370 Tons. The production in the period of the mining plan will be around 600050 MT in 5 years. Therefore, the balance reserves will be (610370-600050) or 10320 MT. If the production target is 150020 MT, the balance reserve will be sufficient for  $(10320 / 150020) = 0.06$  years. Thus, the total life of the mine is  $5 + 0.06 = 5.06$  or say 5 years.

### **Recommendation**

After due screening and examination of all the documents submitted by the Project Proponent and deliberation by using kml file through google earth, the committee unanimously recommended for ADS (From google earth it shows that the water bodies is less than 50 meters from the proposed mining site. As per the Amended Notification of MMMCR 2016, dated 21.09.2020, Amendment Rule 4.1.(b): It is stated that no mining lease and quarry permit shall be granted in respect of any land within a distance of 100 m from any village, water source, bridges, dams, reservoirs and from the edge of the State Highways and any other roads when blasting is not involved and 200 metres restriction when blasting is involved. Hence, Project Proponent to obtain written justification from concerned departments like Forest & Environment, Mining & Geology/DMR in approving the mining lease, mining plan which is at variance with specifications of Meghalaya Minor Minerals Concession Rules, 2016, amended 21<sup>st</sup> September, 2020).

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

The Project Proponent, Smti. Ruthina D. Marak submitted 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 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 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 2<sup>nd</sup> 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 8<sup>th</sup> September, 2021 and Letter of Intent vide letter No.B/16/VII/758, dated Tura, the 14<sup>th</sup> 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 metres 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 17<sup>th</sup> November 2022. The Mining Plan has been prepared to extract boulder stone at the rate of 68414.4 TPA with a project cost of Rs.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.

### 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. The committee unanimously recommended for grant of Environment Clearance 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 Rs. 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 Rs 1 lakh annually.
  9. Boundary pillars with the height not less than 2.5 feet above the ground level and 1.5 feet below ground and minimum 8 inches on all face of pillar should be erected.
  10. GPS coordinates of each pillar should be carved/painted clearly on the pillars with Red colour.
  11. A board highlighting the name of project and project proponent, location name, total area of the mine, date of issue of EC by SEIAA and CTO & CTE by MSPCB should be installed at the entrance to the mining site and clearly visible.
  12. Fencing of the boundary of site with minimum two strands of barbed wire or ordinary split bamboo fencing is to be erected all around the periphery of the approved mining area.
  13. Storing and collection of water through rainwater harvesting for dust sprinkling and recharging of the aquifers.



#### 4. TERM OF REFERENCE

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

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 hectares .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°12'5.00"N	92°21'24.99"E
10	25°12'5.57"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°21'29.92385"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 Jaintia Hills district, Khliehriat, 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.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 (Incharge), 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 Rs.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.

#### **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, the committee unanimously recommended for standard Terms of Reference (ToR) with the following additional 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. 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.
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.

#### **II. Proposal No.SIA/ML/MIN/427258/2023 submitted by Shri. Jengna Marak**

The Project Proponent, Shri. Jengna Marak submitted online application vide proposal No. SIA/ML/MIN/427258/2023 for Terms of Reference for Wakrugre Stone Mine for mining of boulder stone for an area of 7.13 hectares. The proposal is for mining of boulder stone use for construction purposes; hence the project fall under Schedule 1(a) of category B1 of EIA Notification 2006. The area is located at located at Wakrugre, P.O. Zikabari, West Garo Hills District, Meghalaya and toposheet No.G46M2 with the following GPS Coordinates:



Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 38' 11.70"N	89° 59' 03.20"E
2	25° 38' 13.30"N	89° 59' 00.70"E
3	25° 38' 16.80"N	89° 59' 00.40"E
4	25° 38' 19.10"N	89° 58' 58.56"E
5	25° 38' 20.10"N	89° 58' 55.60"E
6	25° 38' 22.30"N	89° 59' 01.50"E
7	25° 38' 25.70"N	89° 59' 02.30"E
8	25° 38' 21.90"N	89° 59' 06.80"E
9	25° 38' 18.70"N	89° 59' 08.40"E
10	25° 38' 17.00"N	89° 59' 08.20"E
11	25° 38' 14.20"N	89° 59' 05.20"E

The proposed land belongs to the project proponent vide Gift Deed of Land which was executed on the 27<sup>th</sup> August 2020 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/189-91 dated Tura, the 24<sup>th</sup> January, 2022 and Letter of Intent vide letter No.MFG.39/42/LOI/MMMCR/2016/7652, dated Shillong, the 30<sup>th</sup> September, 2021 respectively.

The project proponent obtained a cluster certificate from the Divisional Mining Officer, East Garo Hills, Williamnagar vide letter No.DMO-W/MP/15/2019/266 dated Williamnagar, the 22<sup>nd</sup> March 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/84/2022/07 dated Williamnagar, the 17<sup>th</sup> November 2022. The Mining Plan has been prepared to extract boulder stone at the rate of 650261.5 TPA with a project cost of Rs. 197.45 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 12.78 years.



## Recommendation

After due screening and examination of all the documents submitted by the Project Proponent and deliberation by using kml file through google earth, the committee unanimously Rejected (As per the letter from the project proponent, Shri. Jengna Marak vide letter No.Nil. Dated 12.07.2023 wanted to review the approved mining plan as the per day production in the present approved mining plan is not viable).

### III. Proposal No.SIA/ML/MIN/435674/2023 submitted by Smti. Marsilla Ch. Sangma

The Project Proponent, Smti. Marsilla Ch. Sangma submitted online application vide proposal No. SIA/ML/MIN/435674/2023 for Terms of Reference for Rochonpara Stone Mine for mining of boulder stone for an area of 1.10 hectares. The proposal is for mining of boulder stone use for construction purposes; hence the project fall under Schedule 1(a) of category B1 of EIA Notification 2006. The area is located at located at Rochonpara, P.O. Dhanua, West Garo Hills District, Meghalaya and toposheet No. G45R14 with the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 41' 14.62"N	89° 56' 24.14"E
2	25° 41' 13.59"N	89° 56' 25.07"E
3	25° 41' 12.04"N	89° 56' 26.23"E
4	25° 41' 11.33"N	89° 56' 24.67"E
5	25° 41' 09.85"N	89° 56' 23.47"E
6	25° 41' 11.04"N	89° 56' 22.51"E
7	25° 41' 11.71"N	89° 56' 22.07"E
8	25° 41' 12.61"N	89° 56' 21.20"E
9	25° 41' 13.72"N	89° 56' 22.21"E

The proposed land is on lease for a period of 30 years vide Deed of Lease which was executed on the 22<sup>nd</sup> March 2022 and certified by the 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/3100-102 dated Tura, the 16<sup>th</sup> August, 2022 and Letter of Intent vide letter No.B/16/VII/469, dated Tura, the 14<sup>th</sup> 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/15/2019/267 dated Williamnagar, the 22<sup>nd</sup> March



2023 which states that there are two (2) approved mining plan lying within 500 metres from the applied mining lease area. Hence the applied mining area falls under cluster category.

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/89/22/115 dated Williamnagar, the 6<sup>th</sup> December 2022. The Mining Plan has been prepared to extract boulder stone at the rate of 59145.4 TPA with a project cost of Rs. 77 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.

### **Recommendation**

After due screening and examination of all the documents submitted by the Project Proponent and deliberation by using kml file through google earth, the committee unanimously recommended for ADS (From google earth it shows that the road is less than 100 meters from the proposed mining site. As per the Amended Notification of MMMCR 2016, dated 21.09.2020, Amendment Rule 4.1.(b): It is stated that no mining lease and quarry permit shall be granted in respect of any land within a distance of 100 m from any village, water source, bridges, dams, reservoirs and from the edge of the State Highways and any other roads when blasting is not involved and 200 metres restriction when blasting is involved. Hence, Project Proponent to obtain written justification from concerned departments like Forest & Environment, Mining & Geology/DMR in approving the mining lease, mining plan which is at variance with specifications of Meghalaya Minor Minerals Concession Rules, 2016, amended 21<sup>st</sup> September, 2020).

### **5. ADDITTON DETATLS SOUGHT (ADS):**

#### **I. Proposal No.SIA/ML/MIN/71169/2021 submitted by Smt. Preciously Bareh (MIS Korpet limestone Mine).**

Environmental Clearance for mining of Lime stone for an area of 1.56 hectares located at Korpet, Nongtalang, West Jaintia Hills District, Meghalaya.

The Proposal was given ADS in the 62<sup>nd</sup> Meeting of the SEAC held on 29<sup>th</sup> November 2022, as per verification, the project proponent was to furnish the following

- From google earth it shows that the road is less than 100 metres from the proposed mining site. As per the Amended Notification of MMMCR 2016, dated 21.09.2020, Amendment Rule 4.1.(b): It is stated that no mining lease and quarry permit shall be granted in respect of any land within a distance of 100 m from any village, water source, bridges, dams, reservoirs and from the edge of the State Highways and any other roads when blasting is not involved and 200 metres restriction when blasting is involved. Hence, Project Proponent to obtain written



justification from concerned departments like Forest & Environment, Mining & Geology/DMR in approving the mining lease, mining plan which is at variance with specifications of Meghalaya Minor Minerals Concession Rules, 2016, amended 21<sup>st</sup> September, 2020).

- The Classification of land use and land cover map.

In response to the ADS raised by the committee in the 62<sup>nd</sup> meeting of the State Expert Appraisal Committee, the project proponent has furnished a written justification from Divisional Forest Officer regarding the Non-Forest Land Certificate and Letter of Intent with specifications of Meghalaya Minor Minerals Concession Rules, 2016, amended 21<sup>st</sup> September, 2020. The project proponent has also furnished a new land use and land cover map.

### **Recommendation**

After due screening and examination of all the documents submitted by the Project Proponent and deliberation by using kml file through google earth, the committee unanimously Rejected (As per the letter furnished by the proponent vide letter No.JH/P.B/M.L/L.S/2022-21/1067/B/99 Dated 10.04.2023 stated that the Letter of Intent was issued by the office of the undersigned prior to the Amended Notification of MMMCR 2016, dated 21.09.2020. Whereas, the approved mining plan was issued after the Amended Notification of MMMCR 2016, dated 21.09.2020 vide Letter No.DMO-J/39/MM/Mining Plan/2020-21/122 Dated 05.10.2020.

As per the Amended Notification of MMMCR 2016, dated 21.09.2020, Amendment Rule 4.1.(b): It is stated that no mining lease and quarry permit shall be granted in respect of any land within a distance of 100 m from any village, water source, bridges, dams, reservoirs and from the edge of the State Highways and any other roads when blasting is not involved and 200 metres restriction when blasting is involved. From google earth it shows that the road is less than 100 meters from the proposed mining site. Hence, violated the Amended Notification of MMMCR dated 21.09.2020.

### **II. Proposal No. SIA/ML/MIN/407232/2022 submitted by Green Valley Industries Limited (M/S) GVIL Ordinary Clay Mine).**

Environmental for mining of clay for an area of 3.52 hectares located at Nongsning Village, Elaka Sutnga, East Jaintia Hills District, Meghalaya.

The Proposal was given ADS in the 64<sup>th</sup> Meeting of the SEAC held on 9<sup>th</sup> February 2023, as per verification the applicant's name is Green Valliey Industries Limited, whereas in the NOC



issued by the Chief Forest Officer, JHADC vide No.JHADC/FOR/13/2017/815-17 dated 29.03.2020 the name was given as Green Valley Industries Private Ltd. Hence the project proponent was to submit an Affidavit for clarifying the correct applicant's name.

In response to the ADS raised by the committee in the 64<sup>th</sup> meeting of the State Expert Appraisal Committee, the project proponent has furnished a corrigendum of the NOC provided from the office of the Jaintia Hills Autonomous District Council, Jowai vide letter no. No.JHADC/FOR/107/2007/272 dated Jowai the 27<sup>th</sup> March 2023.

### **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 and the project proponent has complied to the ADS. The committee unanimously recommended for grant of Environment Clearance 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 Rs. 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 Rs 1 lakh annually.
9. Boundary pillars with the height not less than 2.5 feet above the ground level and 1.5 feet below ground and minimum 8 inches on all face of pillar should be erected.
10. GPS coordinates of each pillar should be carved/painted clearly on the pillars with Red colour.
11. A board highlighting the name of project and project proponent, location name, total area of the mine, date of issue of EC by SEIAA and CTO & CTE by MSPCB should be installed at the entrance to the mining site and clearly visible.
12. Fencing of the boundary of site with minimum two strands of barbed wire or ordinary split bamboo fencing is to be erected all around the periphery of the approved mining area.
13. Storing and collection of water through rainwater harvesting for dust sprinkling and recharging of the aquifers.

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

Environmental Clearance for Dura Bija Bisik Stone Mine for an area of 2.00 hectares located at Dura Bija Bisik, P.O. Dhanua, P.S. Garobadha, Selsella, West Garo Hills District, Meghalaya.

The Proposal was given ADS in the 66<sup>th</sup> Meeting of the SEAC held on 24<sup>th</sup> May 2023, as per verification, the project proponent was to furnish the following:

- The Classification of land use and land cover map.
- Site photographs of Boundary pillars with coordinates of each pillar carved/painted clearly with Red colour, 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.





- The Proceedings and Notice of the Public Hearing issued by the Meghalaya State Pollution Control Board (MSPCB), Meghalaya.

In response to the ADS raised by the committee in the 66<sup>th</sup> meeting of the State Expert Appraisal Committee, the project proponent has made corrections in the classification of land use and land cover map as well as furnished the site photographs of Boundary pillars with coordinates of each pillar carved/painted clearly with Red colour, together with photographs and other related details of site visits by resource persons of NABET accredited consultant together with the dates of visit and data collection including names of instrument/machine actually used in the field. The project proponent has also furnished the Proceedings and Notice of the Public Hearing issued by the Meghalaya State Pollution Control Board (MSPCB), Meghalaya.

### **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, the presentation of the EIA/EMP and the project proponent has complied to the ADS. The committee unanimously recommended for grant of Environment Clearance 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 Rs. 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 Rs 1 lakh annually.
9. Boundary pillars with the height not less than 2.5 feet above the ground level and 1.5 feet below ground and minimum 8 inches on all face of pillar should be erected.
10. GPS coordinates of each pillar should be carved/painted clearly on the pillars with Red colour.
11. A board highlighting the name of project and project proponent, location name, total area of the mine, date of issue of EC by SEIAA and CTO & CTE by MSPCB should be installed at the entrance to the mining site and clearly visible.
12. Fencing of the boundary of site with minimum two strands of barbed wire or ordinary split bamboo fencing is to be erected all around the periphery of the approved mining area.
13. Storing and collection of water through rainwater harvesting for dust sprinkling and recharging of the aquifers.

**IV. Proposal No. SIA/ML/MIN/76255/2022 submitted by Shri. King kong Ch. Marak (M/S Manggapara Stone Mine).**

Term of Reference for Manggapara Stone Mine for an area of 1.00 hectares located at Manggapara, P.O. Zekabari, West Garo Hills District, Meghalaya.

The Proposal was given ADS in the 66<sup>th</sup> Meeting of the SEAC held on 24<sup>th</sup> May 2023, as per verification, from google earth from google earth it was observed the proposed mining site appears to be worked out/operated within part of the proposed area. Hence, Project Proponent was to obtain a written justification from concerned department like Mining & Geology/DMR in approving the mining lease.



In response to the ADS raised by the committee in the 66<sup>th</sup> meeting of the State Expert Appraisal Committee, the project proponent has provided a statement of payment of Government dues and compounding fees as fine amounting to 3 lakhs in response to the order given by the office of the Divisional Forest Officer, West & South-West Garo Hills (T) Division, Tura.

**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, the committee unanimously recommended for standard Terms of Reference (ToR) with the following additional 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. 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.
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.

**6. RE-CONSIDERATION**

**I. Proposal No.SIA/ML/MIN/406170/2022 submitted by Shri. Khrikshon Lyngkhohi**

Environmental clearance for Khrikshon Lyngkhohi's boulder Stone Mine for mining of boulder stone for an area of 4.45 hectares located at Umduba, Raid Marwet, RiBhoi District, Meghalaya.

The Proposal was deferred for further reconsideration in the 63<sup>rd</sup> Meeting of the SEAC held on 16<sup>th</sup> and 17<sup>th</sup> January 2023, as per the Hon'ble National Green Tribunal vide final judgement dated 27.05.2022 in the matter of Jitul Deka Vs Union of India & Ors, where all Environmental Clearances granted by DEIAA has been terminated due to cluster situation. In relation to this, the Government of Meghalaya, Forest and Environment Department has issued a termination order of the earlier mining lease granted to Shri Khrikshon lyngkhohi at



Umduba, Raid Marwet Ri Bhoi District, Meghalaya vide order No.FOR/CC/26/2019/pt-IV/1299 dated Shillong the 18th January 2023.

**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. The committee unanimously Rejected (as per the termination order of the earlier mining lease granted to Shri Khrikshon lyngkhoi at Umduba, Raid Marwet Ri Bhoi District, Meghalaya vide order No.FOR/CC/26/2019/pt-IV/1299 dated Shillong the 18th January 2023).

The meeting ended with a vote of thanks to the chair.



Chairman  
State Expert Appraisal Committee  
Meghalaya Shillong