

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 51st MEETING OF THE STATE EXPERT APPRAISAL COMMITTEE, MEGHALAYA
SHILLONG HELD ON 5th November 2021, 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	Prof. Donkumar Syiem	Member	-Sd-
3	Shri Toiler H.S. Bonney (Rtd) IFS	Member	-Sd-
4	Shri. Puhran M. Sangma	Member	-Sd-
5	Shri. Phngain Singh Giri Lyngdoh	Member	-Sd-
6	Shri. Shekhar K. Sangma	Member	-Sd-
7	Shri. F.S Wann, MFS Deputy Conservator of Forest (SF & Env.)	Member Secretary SEAC	-Sd-

The 51st meeting of State Expert Appraisal Committee (SEAC), Meghalaya, Shillong, held on 5th November 2021 from 11:00 A.M. on ward in the Conference Hall, Sylvan House, Meghalaya, Shillong through blended mode method i.e. online and offline. 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-III/121/2020/34 dated the 3rd November 2021, accordingly. All proposed mining areas are cross checked through google earth.

1. Confirmation of the minutes of the 50th Meeting held on 19th October 2021.

The minutes were confirmed.

2. Action taken report as per the decision taken in the 50th Meeting.

As per the decision taken in the 50th Meeting of the State Expert Appraisal Committee held on 6th September 2021, (5) Five project proposals were recommended for grant Terms of Reference, (3) Three project proposals were recommended for Environmental Clearance and



(1) One project proposal were recommended for ADS to the State Environment Impact Assessment Authority, Meghalaya.

3. ENVIRONMENTAL CLEARANCE

I. Proposal No:SIA/ML/MIN/232460/2021 submitted by Shri. Proman Khriam (M/S Rusaw limestone mine)

The Project Proponent, Shri Proman Khriam submitted online application vide proposal No.SIA/ML/MIN/232460/2021 for Environmental Clearance for Rusaw Limestone Mine of for an area of 0.8354 hectares. The proposal for mining of limestone will be used in kilns for manufacturing of lime used as building material and hence the project fall under Schedule 1(a) of category B2 of EIA Notification 2006. The area is located at Rusaw, Nongjri Elaka, P.O Pynursla, East Khasi Hills District, Meghalaya and toposheet Survey of India No. 780/16 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25°10'51.40"N	91°46'03.04" E
2	25°10'51.47"N	91°46'04.78" E
3	25°10'46.66"N	91°46'02.45" E
4	25°10'47.03"N	91°46'00.14" E

The proposed mining area is on lease for a period of 30 years vide Lease Agreement certified by Public Notary, East Khasi Hills, Meghalaya on the 26th February 2021.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, East Khasi Hills & Ri Bhoi (T) Division, Shillong, vide letter No.KH/8/NOC/limestone/41/Pt.IV/1810 dated Shillong the 23rd July, 2021 and Letter of Intent vide No.KH/8/ML/limestone/68/1854 dated Shillong the 27th July 2021.

The project proponent has obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, vide letter No.DMR/MM/136/2021/07 dated Shillong, the 28th September 2021 where it is mentioned that that there is no other mine lying within 500 metres from the applied mining lease area. Hence, the Environment Management Plan is not required.



The project proponent submitted mining plan approved by the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No. DMR/MM/136/2021/02 dated Shillong, the 2nd September 2021. The Mining Plan has been prepared to extract limestone at 33675 MTPA with a project cost of Rs. 22.00 Lakhs and the operations will be open cast, semi mechanized method of mining.

As per the mining plan, the mineable reserves would be 33675 Tonnes with an average annual production of 33675 ($33675/10=33675$) Tonnes. The average annual production of limestone may be different from annual production of five years plan period. Thus 168197 Tonnes of the total mineable reserve will be worked out in first five years and the rest quantity of mineable reserve i.e. ($336751-168197$)=168554 Tonnes would be exhausted in further 5 years @ 33711 Tonnes. Therefore, the life of the mine will be 10 years (five years in plan period + five 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, the committee unanimously recommended for grant of Environment Clearance with the following conditions.

1. A settling Tank is to be constructed, at a suitable site within the mining area for collection of debris, sediment, silt, fragmented stones etc carried by surface water channelized through the Curtain drain. The deposited debris, spoils etc are to be removed/cleared, both from the tank and drain as and when required. Overflowing water that flows downhill shall be dispersed but precautions to be taken that spoils etc. generated from mining are not carried along.
2. 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.
3. 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.
4. 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.
5. To increase the allocation for plantation and maintenance to a minimum of Rs. 1 lakh per annum and double the number of plants to be planted.



6. CER should be included in the capital cost and it should be increased to a minimum of Rs 1 lakh annually.
7. 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.
8. GPS coordinates of each pillars should be carved/painted clearly on the pillars with Red colour.
9. 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.

II. Proposal No:SIA/ML/MIN/232466/2021 submitted by Shri Micky Passah (M/S Shyntusorha Limestone Mine)

The Project Proponent, Shri Micky Passah submitted online application vide proposal No.SIA/ML/MIN/232466/2021 for Environmental Clearance for Shyntu sorha Limestone Mine of for an area of 4.96 hectares. The proposal for mining of limestone will be used in kilns for manufacturing of lime used as building material and hence the project fall under Schedule 1(a) of category B2 of EIA Notification 2006. The area is located at Shyntusorha/Alekwareng Langrin Syiemship, South West Khasi Hills, Meghalaya and toposheet Survey of India No. 780/4 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25°12'45.89"N	91°13'46.89" E
2	25°12'44.40"N	91°13'52.80" E
3	25°12'51.60"N	91°13'56.16" E
4	25°12'54.12"N	91°13'52.56" E
5	25°12'53.54"N	91°13'49.31" E

The proposed mining area is on lease for a period of 25 years vide Lease Deed certified by Public Notary, East Khasi Hills, Meghalaya on the 2nd day of July 2019.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, SF & Territorial Division, West & South West Khasi Hills, vide letter



No.T/WSW/20/NOC(L)/644-648 dated Nongstoin the 8th October, 2020 and Letter of Intent vide No.T/W&SW/20-21/LS/ML/116/679 dated Nongstoin the 16th October, 2020.

The project proponent has obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, vide letter No.DMR/MM/124/2021/13 dated Shillong, the 29th September 2021 where it is mentioned that that there is no other mine lying within 500 metres from the applied mining lease area. Hence, the Environment Management Plan is not required.

The project proponent submitted mining plan approved by the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/124/2021/08 dated Shillong, the 11th August 2021. The Mining Plan has been prepared to extract limestone at 290138 MTPA with a project cost of Rs. 29.6 Lakhs and the operations will be open cast, semi-mechanized method of mining.

As per the mining plan, the mineable reserves would be 4352063 Tonnes with an average annual production of 290138 ($4352063/15=290138$) Tonnes. The average annual production of limestone may be different from annual production of five years plan period .Thus 1451318 Tonnes of the total mineable reserve will be worked out in first five years and the rest quantity of mineable reserve i.e.($4352063-1451318$)= 2900745 Tonnes would be exhausted in further 10 years with an average production of 290075 Tonnes/Annum. Therefore, the life of the mine will be 15 years (five years in plan period + ten years in conceptual working period).

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 reconsideration, since the matter regarding the mining lease area of the project proponent is under court case, hence no EC can be considered till the Hon'ble Court dispose off the case).

III. Proposal No:SIA/ML/MIN/232486/2021 submitted by Shri. Eric Stone Laso (M/S Lurksiar-Tembah Limestone mine)

The Project Proponent, Shri Eric Stone Laso submitted online application vide proposal No.SIA/ML/MIN/232486/2021 for Environmental Clearance for Lurksiar-Tembah Limestone Mine of for an area of 1.53 hectares. The proposal for mining of limestone will be used in kilns for manufacturing of lime used as building material and hence the project fall under Schedule 1(a) of category B2 of EIA Notification 2006. The area is located at Lurksiar Tembah, Nongjri



Sirdarship, East Khasi Hills District, Meghalaya and toposheet Survey of India No. 78O/16 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25°11'12.60"N	91°46'11.87" E
2	25°11'14.10"N	91°46'19.30" E
3	25°11'08.80"N	91°46'12.30" E
4	25°11'08.90"N	91°46'10.60" E

The proposed mining area is on lease for a period of 40 years vide Lease Deed certified by Public Notary, East Khasi Hills, Meghalaya on the 28th day of April 2021.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, East Khasi Hills & Ri Bhoi (T) Division, Shillong, vide letter No.KH/8/NOC/Limestone/41/Pt.IV/393 dated Shillong the 21st April, 2021 and Letter of Intent vide No.KH/8/ML/Limestone/68/406 dated Shillong the 21st April, 2021.

The project proponent has obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, vide letter No.DMR/MM/128/2021/07 dated Shillong, the 29th September 2021 where it is mentioned that there is no other mine lying within 500 metres from the applied mining lease area. Hence, the Environment Management Plan is not required. The project proponent submitted mining plan approved by the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No. DMR/MM/128/2021/2 dated Shillong, the 8th September 2021. The Mining Plan has been prepared to extract limestone at 86814 MTPA with a project cost of Rs.25.00 Lakhs and the operations will be open cast, semi-mechanized method of mining.

As per the mining plan, the mineable reserves would be 434071 Tonnes with an average annual production of 86814 ($434071/5=86814$) Tonnes. The average annual production of limestone may be different from annual production of five years plan period .Thus 433946 Tonnes of the total mineable reserve will be worked out in first five years and the rest quantity of mineable reserve i.e.($434071 - 433946$)=125 Tonnes would be Mining Loss. Therefore, the life of the mine will be 5 years (five years in plan period).



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 (As per verification shown in google earth the road is less than 200 m from the mining site. As per PFR, chapter 3: para 3.6 of PP, blasting will be undertaken for loosening and excavation of limestone. As per the Amended Notification of MMMCR 2016 dated 21.09.2020 Amendment Rule 4(c): within a distance of 200 m from any village, water source, Bridges, Dams, Reservoirs and from the edge of the State Highways and any other roads when blasting is involved. Hence rectification is sought from project proponent).

IV. Proposal No:SIA/ML/MIN/233119/2021 submitted by Shri. Bat Osborn Rynjah (M/S Phudphanblei Limestone Mine)

The Project Proponent, Shri Bat Osborn Rynjah submitted online application vide proposal No.SIA/ML/MIN/233119/2021 for Environmental Clearance for Phudphanblei Limestone Mine of for an area of 1.29 hectares. The proposal for mining of limestone will be used in kilns for manufacturing of lime used as building material and hence the project fall under Schedule 1(a) of category B2 of EIA Notification 2006. The area is located at Phudphanblei Village, Mawsynram, East Khasi Hills District, Meghalaya and toposheet Survey of India No. 780/12 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25°16'39.641"N	91°34'19.658" E
2	25°16'37.654"N	91°34'20.405" E
3	25°16'35.420"N	91°34'21.539" E
4	25°16'33.248"N	91°34'23.207" E
5	25°16'32.640"N	91°34'22.190" E
6	25°16'34.060"N	91°34'19.520" E
7	25°16'37.400"N	91°34'17.800" E

The proposed mining area is on lease for a period of 30 years vide Lease Agreement certified by Sub Registrar, Shillong, East Khasi Hills, Meghalaya on the 7th day of November 2017.



The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, East Khasi Hills & Ri Bhoi (T) Division, Shillong, vide letter No.KH/8/NOC/limestone/41/Pt.IV/5729 dated Shillong the 9th March, 2021 and Letter of Intent vide No.KH/8/ML/limestone/68/4161 dated Shillong the 21st September 2018.

The project proponent has obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, vide letter No.DMR/MM/126/2021/07 dated Shillong, the 15th July 2021 where it is mentioned that there is no other mine lying within 500 metres from the applied mining lease area. Hence, the Environment Management Plan is not required. The project proponent submitted mining plan approved by the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No. DMR/MM/126/2021/02 dated Shillong, the 29th June 2021. The Mining Plan has been prepared to extract limestone at 38819 MTPA with a project cost of Rs.23.00 Lakhs and the operations will be open cast, semi-mechanized method of mining.

As per the mining plan, the mineable reserves would be 388193 Tonnes with an average annual production of 38819 ($388193/10=38819$) Tonnes. The average annual production of limestone may be different from annual production of five years plan period. Thus 193815 Tonnes of the total mineable reserve will be worked out in first five years and the rest quantity of mineable reserve i.e. ($388193-193815$)=194378 Tonnes would be exhausted in further 5 years @ 38876 Tonnes per annum. Therefore, the life of the mine will be 10 years (five years in plan period + five years in conceptual period).

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 (As per verification from google earth it shows that the Krem Puri Cave is located nearby. Hence, the distance and topography of the nearby Krem Puri cave is to be furnished. Krem Puri is the longest sand stone cave system in the world and bears bio-diversity heritage status and any potential danger to the cave system must be eliminated. Further, the distance from the road is 120 m and the same will be asked to clarify/rectify by PP).

V. Proposal No:SIA/ML/MIN/225520/2021 submitted by Shri. Markiroy Pdang (M/S Larung Limestone mine)

The Project Proponent, Shri Markiroy Pdang submitted online application vide proposal No.SIA/ML/MIN/225520/2021 for Environmental Clearance for Larung Limestone Mine of for an area of 1.97 hectares. The proposal for mining of limestone will be used in kilns for manufacturing of lime used as building material and hence the project fall under Schedule 1(a)



of category B2 of EIA Notification 2006. The area is located at Larung, Lumshnong, Elaka Narpuh, East Jaintia Hills District, Meghalaya and toposheet Survey of India No. 83C/8 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25°10'50.9"N	92°24'29.6" E
2	25°10'47.0"N	92°24'33.4" E
3	25°10'44.8"N	92°24'30.6" E
4	25°10'45.6"N	92°24'28.2" E
5	25°10'45.5"N	92°24'25.8" E

The proposed mining area is on lease for a period of 35 years vide Deed of Lease certified by Public Notary, East Jaintia Hills, Meghalaya on the 21st June 2021.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, Jaintia Hills Territorial Division, Jowai, vide letter No.JH/IR/F.C/RO/2019-20/985/B/287 dated Jowai the 17th May, 2021 and Letter of Intent vide No.JH/M.Pdang/M.L/LS/2021-22/26/B/362 dated Jowai the 30th June, 2021.

The project proponent has obtained a cluster certificate from the Divisional Mining Officer, Directorate of Mineral Resources, Meghalaya, Jowai vide letter No.DMO-J/48/MM/Mining plan/2021-22/143 dated Jowai, the 31st August 2021 where it is mentioned that there is no other mine lying within 500 metres from the applied mining lease area. Hence, the Environment Management Plan is not required.

The project proponent submitted mining plan approved by the Divisional Mining Officer, Directorate of Mineral Resources, Meghalaya, Jowai vide letter No. DMO-J/48/MM/Mining Plan/2021-22/142 dated Jowai, the 27th August 2021. The Mining Plan has been prepared to extract limestone at 199275 MTPA with a project cost of Rs. 20.00 Lakhs and the operations will be open cast, semi-mechanized method of mining.

As per the mining plan, the mineable reserves of limestone is of the order of 10, 50,000 MT. The production in the period of this mining plan will be around 9, 96,275 MT in 5 years. The balance reserves will be 10, 50,000-9,96,275=53,725 MT. If the yearly production target is 1,99,270 MT, then the balance reserves will be sufficient for 53,725/1, 99,270 = 0.27 years. Thus, total life of the mine is 5+0.27=5.27 or say 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. A settling Tank is to be constructed, at a suitable site within the mining area for collection of debris, sediment, silt, fragmented stones etc carried by surface water channelized through the Curtain drain. The deposited debris, spoils etc are to be removed/cleared, both from the tank and drain as and when required. Overflowing water that flows downhill shall be dispersed but precautions to be taken that spoils etc. generated from mining are not carried along.
2. 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.
3. 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.
4. 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.
5. To increase the allocation for plantation and maintenance to a minimum of Rs. 1 lakh per annum and double the number of plants to be planted.
6. CER should be included in the capital cost and it should be increased to a minimum of Rs 1 lakh annually.
7. 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.
8. GPS coordinates of each pillars should be carved/painted clearly on the pillars with Red colour.
9. A board contain 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 install in the entrance to the mining site.



4. TERM OF REFERENCE

I. Proposal No:SIA/ML/MIN/68783/2021 submitted by Shri. Tamdor Sing Nadon(M/S Sohmluh Limestone Mine)

The Project Proponent, Shri Tamdor Sing Nadon submitted online application for Term of Reference vide proposal No:SIA/ML/MIN/68783/2021 for Term of Reference for Sohmluh Limestone Mine for mining of Lime stone for an area of 2.1 hectares. The proposal is for mining of lime stone to be used in kilns for construction purposes. The project falls under Schedule 1(a) of category B1 of EIA Notification 2006. The mining lease area is located at Sohmluh, Tempohreng Village, Wahlong Sirdarship, East Khasi Hills District, Meghalaya and toposheet Survey of India No.78O/12 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 10'36.9''N	91° 43'11.4''E
2	25° 10'38.5''N	91° 43'04.5''E
3	25° 10'42.0''N	91° 43'03.3''E
4	25° 10'41.1''N	91° 43'10.2''E

The proposed mining area is on lease for a period of 30 years vide Lease Deed made on the 18th day of June 2019 certified by Sub-Registrar, Sohra, East Khasi Hills District, Meghalaya. The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, East Khasi Hills & Ri-Bhoi (T) Division, Shillong vide letter No.KH/8/NOC/Limestone/41/Pt.IV/585 dated Shillong, the 30th April, 2021 and letter of Intent vide letter No.KH/8/ML/Limestone/68/591, dated Shillong, the 30th April, 2021 respectively.

The project proponent obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, vide letter No.DMR/MM/138/2021/07 dated Shillong, the 7th October 2021 which states that there are ten (10) approved mining plan lying within 500 metres from the applied mining lease area. Hence the applied mining area falls under cluster category since the total area of twelve mines is summed up to 26.04 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/138/2021/2 dated Shillong, the 28th September 2021. The Mining Plan



has been prepared to extract lime stone at the rate of 98,318 TPA with a project cost of Rs.24.8 lakhs and the operations will be open cast, semi-mechanized method of mining.

As per the mining plan, the mineable reserve would be 983183 Tonnes with an average annual production of 98318 (983183/10=98318) Tonnes. The average annual production of limestone may be different from annual production of five years plan period. Thus 492219 Tonnes of the total mineable reserve will be worked out in first 5 years and the rest quantity of mineable reserve i.e. (983183-492219) = 490964 Tonnes would be worked out in further 5 years @98193 Tonnes. Therefore, the life of the mine will be 10 years (five years in plan period + five 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, 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.
3. A Comprehensive Environment Management Plan and Regional Environment Management Plan is to be furnished in the EIA/EMP.

II. Proposal No:SIA/ML/MIN/68793/2021 submitted by Shri. Tamdor Sing Nadon (M/S Tyngwai Bah Limestone Mine)

The Project Proponent, Shri Tamdor Sing Nadon submitted online application for Term of Reference vide proposal No:SIA/ML/MIN/68793/2021 for Term of Reference for Tyngwai Bah Limestone Mine for mining of Lime stone for an area of 1.18 hectares. The proposal is for mining of lime stone to be used in kilns for construction purposes. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The mining lease area is located at Tyngwai Bah, Sohbar village, Elaka Sohbar Sirdarship, East Khasi Hills District, Meghalaya and toposheet Survey of India No.780/12 within the following GPS Coordinates:



Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 10'37.48''N	91° 43'37.94''E
2	25° 10'37.38''N	91° 43'36.02''E
3	25° 10'40.98''N	91° 43'35.69''E
4	25° 10'44.30''N	91° 43'36.40''E
5	25° 10'44.49''N	91° 43'37.95''E

The proposed mining area is on lease for a period of 30 years vide Lease Deed made on the 8th day of July 2019 certified by Sub-Registrar, Sohra, East Khasi Hills District, Meghalaya.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, East Khasi Hills & Ri-Bhoi (T) Division, Shillong vide letter No.KH/8/NOC/Limestone/41/Pt.IV/2099 dated Shillong, the 6th August, 2021 and letter of Intent vide letter No.KH/8/ML/Limestone/68/2098, dated Shillong, the 6th August, 2021 respectively.

The project proponent obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, vide letter No.DMR/MM/137/2021/07 dated Shillong, the 19th October 2021 which states that there are five (5) approved mining plan lying within 500 metres from the applied mining lease area. Hence the applied mining area falls under cluster category since the total area of six mines is summed up to 7.24 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/137/2021/2 dated Shillong, the 28th September 2021. The Mining Plan has been prepared to extract lime stone at the rate of 25,027 TPA with a project cost of Rs.21.00 lakhs and the operations will be open cast, semi-mechanized method of mining.

As per the mining plan, the mineable reserve would be 250266 Tonnes with an average annual production of 25027 ($250266/10=25027$) Tonnes. The average annual production of limestone may be different from annual production of five years plan period. Thus 125742 Tonnes of the total mineable reserve will be worked out in first 5 years and the rest quantity of mineable reserve i.e. ($250266-125742$) = 124524 Tonnes would be worked out in further 5 years @24905 Tonnes. Therefore, the life of the mine will be 10 years (five years in plan period + five years in conceptual period).

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, 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.

III. Proposal No:SIA/ML/MIN/68515/2021 submitted by Shri. Stanshon Nongrum (M/S Umswiah Limestone Mine)

The Project Proponent, Shri Stanshon Nongrum submitted online application for Term of Reference vide proposal No:SIA/ML/MIN/68515/2021 for Term of Reference for Umswiah Limestone Mine for mining of Lime stone for an area of 1.08 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 Umswiah (Parmawshun), Mawlong Sirdarship, East Khasi Hills District, Meghalaya and toposheet Survey of India No.78O/12 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 10' 46.569''N	91° 40' 38.545'' E
2	25° 10' 46.564''N	91° 40' 37.694''E
3	25° 11' 1.260''N	91° 40' 35.250''E
4	25° 11' 1.272''N	91° 40' 36.098''E

The proposed mining area is on lease for 30 years vide Deed of Lease Agreement made on the 26th day of October 2021, certified by Notary, Govt of Meghalaya, East Khasi Hills District. The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, East Khasi Hills & Ri Bhoi Territorial Division, Shillong, vide letter NO.KH/8/NOC/Limestone/41/Pt.IV/284, dated Shillong, the 14th April 2021 and Letter of



Intent vide letter No.KH/8/ML/Limestone/68/293, dated Shillong, the 14th April, 2021 respectively.

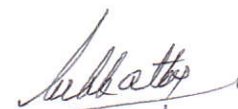
The project proponent obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/121/2021/10 dated Shillong, the 29th September 2021 which states that there are three (3) approved mining plan lying within 500 metres from the applied mining lease area. Hence the applied mining area falls under cluster category since the total area of four mines is summed up to 12.81 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/127/2021/5 dated Shillong, the 8th September 2021. The Mining Plan has been prepared to extract lime stone at the rate of 12,417 TPA with a project cost of Rs.7.00 lakhs and the operations will be open cast, semi-mechanized method of mining.

The mineable reserve would be 62024 Tonnes with an average annual production of 12405(62024/5 = 12405) Tonnes. The average annual production of limestone may be different from annual production of five years plan period. Thus 61999 Tonnes of the total mineable reserve i.e. (62024 – 61999) = 25 Tonnes would be mining loss. Therefore, the life of the mine will be 5 years (Five years in plan period).

Recommendation

After due screening and examination of all the documents submitted by the Project Proponent and deliberation by using kml file through google earth, and verification on actual site visit the committee unanimously recommended for ADS (As per verification, it was observed that the road present near the project site is less than 200 metres. Hence, the distance from road to the mining site is to be furnished in Form 2).

The meeting ended with a vote of thanks to the Chair



Chairman
State Expert Appraisal Committee
Meghalaya Shillong