

STATE EXPERT APPRAISAL COMMITTEE (SEAC)

:: MEGHALAYA ::

**'SYLVAN' House, Lower Lachumiere,
East Khasi Hills, Shillong – 793 001.**

**PROCEEDING RECORD OF 31ST MEETING OF THE STATE EXPERT APPRAISAL COMMITTEE,
MEGHALAYA HELD ON 26th, 27th & 28th MAY 2020 FOR ENVIRONMENTAL APPRAISAL OF
NON-COAL MINING PROJECTS**

Members of the Committee and Supporting Staff present:

| Sl.No | Name | Designation | Signature |
|-------|---|-----------------------|-----------|
| 1 | Shri. Nababrata Bhattacharjee | Chairman SEAC | -Sd- |
| 2 | Shri. Puhran M. Sangma | Member | -Sd- |
| 3 | Prof. Donkumar Syiem, | Member | -Sd- |
| 4 | Shri. Phngain Singh Giri Lyngdoh | Member | -Sd- |
| 5 | Shri. Hamklet Suchiang, MFS Deputy Conservator of Forest (SF & Env.) | Member Secretary SEAC | -Sd- |
| 6 | Shri. Boney Soanes | Supporting Staff | sd |

The 31th meeting of State Expert Appraisal Committee (SEAC), Meghalaya, Shillong, held on three days, one seating per day, from 26th May 2020 till 28th May 2020 from 10:00 am onward in the conference hall, Sylvan House, Meghalaya Shillong. At the outset the Chairman Shri. Nababrata Bhattacharjee, welcome all the members of the Committee present and called the meeting into order as per the agenda circulated vide letter no. No.ML/SEAC/Meeting/Vol- II/2/2018/26, dated Shillong, the 25th May 2020. Site inspection of proposed mining areas could not be undertaken due to the National/State Lock down on account of covid-19 pandemic protocol issued by Govt. of India/Govt. of Meghalaya from time to time since end of March 2020, however all proposed mining area are cross checking through google earth.

DAY 1

26th May 2020

ENVIRONMENTAL CLEARANCE

1.1. Confirmation of the minutes of the 30th Meeting held on 8th May 2020.

Since there is no more clarification from all the members, the committee unanimously confirmed the minutes of the 30th meeting of SEAC held on 8th May 2020.

1.2. Action taken report as per the decision taken in the 30th Meetings.

As per decision taken on the 30th meeting held on 8th May 2020, the same has been communicated to SEIAA grant of Environmental Clearance in respect of Online Proposal No.SIA/ML/MIN/49376/2018 submitted by Smti. Evalyni Kharbani.

1.3. Proposal No.SIA/ML/MIN/43588/2019 submitted by Banroilang Wahlang

The Project Proponent Shri. Banroilang Wahlang, submitted online application vide **proposal No. SIA/ML/MIN/43588/2019** for Environmental Clearance for mining of boulderstone for an area of 1.12 hectare. The proposal is for mining of boulder stone use for construction purposes and hence the project fall under Schedule 1(a) of category B2 of EIA Notification 2006. The area located at Kynrem, Mawlong 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° 13' 21.89"N | 91° 43' 09.20"E |
| 2 | 25° 13' 23.90"N | 91° 43' 10.22"E |
| 3 | 25° 13' 23.36"N | 91° 43' 11.79"E |
| 4 | 25° 13' 20.14"N | 91° 43' 15.48"E |
| 5 | 25° 13' 19.86"N | 91° 43' 12.22"E |
| 6 | 25° 13' 21.20"N | 91° 43' 10.47"E |

The proposed land measuring for 1.12 hectare is on lease for 20 years which was executed on 10th December 2018 at Shillong as certified by the Notary Officer, East Khasi Hills District.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, East Khasi Hill & Ri Bhoi Territorial Division, Shillong vide letter No.KH/9/NOC/Stone/41/Pt.V/6924 dated Shillong the 13th February 2019 and letter of Intent vide No.KH/8/Quarry permit/Stone/6962 dated Shillong, the 15th February 2019.

The project proponent has obtained a cluster certificate from the office of the Director of Mineral Resources, Government of Meghalaya, Shillong, vide letter No.DMR/MM/39/2019/1712 dated Shillong the 21st January 2020. Where it is mentioned that there is no approved mining plan located within 500 metres.

The project proponent submitted approved mining plan by the office of the Director of Mineral Resources, Government of Meghalaya, Shillong vide letter Memo No.DMR/MM/39/2019/275 dated Shillong, the 20th May 2019. The Mining Plan has been prepared to extract boulder stone at an annual rate of 45,000 MT with a project cost of Rs23,00,000 and the operations will be open cast, semi-mechanized method of mining.


Total geological reserve including safety barrier is 690655 MT and the mineable reserves of boulder stone are of the order 472757 MT but after leaving residual benches, the net total mineable reserves comes to 224709 with a production target to 45000 MT of boulder stone per annum and taking 250 as the average number of working days per annum, the anticipated life of the quarry will be 4.99 years, say 5 years, fall within the parameter of the District survey report related to East Khasi Hills District.

Recommendation

After due screening and examination of all the documents submitted by the Project Proponent, the committee unanimously recommended for grant of Environmental Clearance.

1.4. Proposal No.SIA/ML/MIN/42917/2019 submitted by Alfreda Khylllep

The Project Proponent Smt. Alfreda Khylllep, submitted online application vide **proposal No. SIA/ML/MIN/42917/2019** for Environmental Clearance for mining of limestone for an area of 2.595 hectare. The proposal is for mining of limestone use for construction purposes and for export to Bangladesh. Hence the project fall under Schedule 1(a) of category B2 of EIA Notification 2006. The applied area located at Mawlong Village, Mawlong Sirdarship District- East Khasi Hills Meghalaya and toposheet Survey of India No.780/12 within the following GPS Coordinates:



| Pillar No | GPS Coordinates | |
|-----------|-----------------|---------------|
| | Latitude | Longitude |
| 1 | 25° 11'57.21"N | 91°41'28.75"E |
| 2 | 25° 11'57.79"N | 91°41'26.80"E |
| 3 | 25° 11'57.64"N | 91°41'22.70"E |
| 4 | 25° 11'52.16"N | 91°41'22.95"E |
| 5 | 25° 11'52.67"N | 91°41'28.37"E |

It is a Non Forest Land which was confirmed by the Divisional Forest Officer, East Khasi Hill & Ri Bhoi Territorial Division, Shillong vide letter No.KH/8/NOC/LimeStone/41/Pt.IV/2710 dated Shillong the 19th July 2019 and letter of Intent vide letter No.KH/8/ML/Limestone/68/2776 dated Shillong the 22nd July 2019 which subsequently renew for another four months vide letter No.KH/8/ML/LimeStone/68/6156 dated Shillong the 28th January 2020.

The project proponent has obtained a cluster certificate from the office of the Director of Mineral Resources, Government of Meghalaya, Shillong, vide letter No. DMR/MM/56/2019/, Dated Shillong, the 30th August 2019. As per the cluster certificate the mining area of Smt. Arbibora Chyne (mining of limestone for 2 hectare) located within 500 metres. Hence the proposed mining area fall under cluster category with a total area of 4.595 hectare and as per appendix – XI of the

Ministry of Environment, Forest and Climate Change Notification No.S.O.3977(E) dated New Delhi, the 14th August 2018, the area of cluster is under 5 hectare. Hence, the Environment Management Plan is not required.

As per the approved mining plan vide letter Memo.No.DMR/MM/56/2019/842 dated Shillong, the 9th August 2019 submitted by the PP the total geological reserve 33,53,800 mt and total production in 5 years 3,66,500 tones and the peak production is 87,870 MT/annum with a project cost of Rs 16,50,000.00. The mineable reserve of limestone are of the order of 1620400 tones with the production in the period of mining plan will be around 366500 tonnes in 5 years. Balance reserve: $1620400 - 366500 = 1253900$ tones with production targets is of 87870 tones. The balance reserves will sufficient for $1253900 / 87870 = 14.27$ years. Thus the total life of the mine is $5 + 14.27 = 19.27$ say 20 years fall within the parameter of the District survey report related to East Khasi Hills District.

The mining will be done by opencast semi mechanized method and transport will be done by trucks/tippers. Hydraulic breakers for stone breaking. Drilling will be done for blasting the stone out of the strata. Manual/pneumatic hammering for stone breaking will also be done.

Recommendation

After due screening and examination of all the documents submitted by the Project Proponent, the committee unanimously recommended for Environmental Clearance subject to submission by PP the duly registered land document by competent authority of Government to SEIAA.

1.5. Proposal No.SIA/ML/MIN/38845/2019 submitted by Rocky Dhar

The Project Proponent Shri. Rocky Dhar, submitted online application vide **proposal No.SIA/ML/MIN/38845/2019** for Environmental Clearance for mining of boulderstone for an area of 2.0 hectare. 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 applied area located at **Mawlynggad District- East Khasi Hills Meghalaya** and toposheet Survey of India No.780/14 within the following GPS Coordinates:

| Pillar No | GPS Coordinates | |
|-----------|-----------------|----------------|
| | Latitude | Longitude |
| 1 | 25°32'14.64" N | 91°55'32.16" E |
| 2 | 25°32'16.01" N | 91°55'34.43" E |
| 3 | 25°32'16.19" N | 91°55'35.98" E |
| 4 | 25°32'13.81" N | 91°55'40.40" E |
| 5 | 25°32'12.84" N | 91°55'39.68" E |
| 6 | 25°32'12.01" N | 91°55'37.96" E |

| | | |
|---|----------------|----------------|
| 7 | 25°32'11.80" N | 91°55'35.33" E |
| 8 | 25°32'12.62" N | 91°55'33.53" E |

The applied area belongs to the Project Proponent as per registered sale deed dated 20th May 2013 submitted by the PP

It is a Non Forest Land which was confirmed by the Divisional Forest Officer, East Khasi Hill & Ri Bhoi Territorial Division, Shillong vide letter No.KH/9/NOC/Stone/41/Pt.V/4319 dated Shillong the 01st October 2018 and letter of intent vide letter No.KH/8/ML/Stone/69/5152 dated Shillong the 08th November 2018 and subsequently renewed for another four months vide letter No.KH/8/ML/Stone/69/6171 dated Shillong the 29th January 2020.

The applied area not fall under a cluster category as per a cluster certificate issued vide letter No. DMR/MM/40/2019/ 958Dated Shillong, the 30th August 2019 by the office of the Director of Mineral Resources, Government of Meghalaya, Shillong.

The PP submitted the approved mining plan by the office of the Director of Mineral Resources, Government of Meghalaya, Shillong vide letter memo No.DMR/MM/40/2019/406 dated Shillong the 6th June 2019, the mineable reserve of boulderstone are of the order of 1480530 tones with the rate of production per year is 100320 with the project cost of Rs20,00,000.00. Thus the reserves are sufficient for $1480530/100320 = 14.75$ years or say for 15 years fall within the parameter of the District survey report related to East Khasi Hills District.

The mining will be done by opencast semi mechanized method and transport will be done by trucks/tippers. Hydraulic breakers for stone breaking. Drilling will be done for blasting the stone out of the strata. Manual/pneumatic hammering for stone breaking will also be done.

Recommendation

After due screening and examination of all the documents submitted by the Project Proponent, the committee unanimously recommended for grant of Environmental Clearance.

1.6. Proposal No.SIA/ML/MIN/42826/2019 submitted by Mark Andy Laloo

The Project Proponent Shri. Mark Andy Laloo, submitted online application vide **proposal No.SIA/ML/MIN/42826/2019** for Environmental Clearance for mining of limestone for an area of 2.10 hectare. The proposal is for mining of limestone use for construction purposes. Hence the project fall under Schedule 1(a) of category B2 of EIA Notification 2006.The applied area located at Umsong, Sandi Mustoh Village, Shella, 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° 11' 11.6"N | 91° 38' 36.9"E |
| 2 | 25° 11' 11.4"N | 91° 38' 35.9"E |
| 3 | 25° 11' 12.6"N | 91° 38' 33.8"E |
| 4 | 25° 11' 17.4"N | 91° 38' 38.7"E |
| 5 | 25° 11' 15.3"N | 91° 38' 41.8"E |

The proposed mining area is on agreement as per deed of agreement executing on 18th December 2017 as certified by the Notary, Eask Khasi Hills District, Shillong.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, East Khasi Hill & RiBhoi Territorial Division, Shillong vide letter No.KH/8/NOC/Limestone/41/Pt.IV/363 dated Shillong the 20th April 2018 and letter of intent vide letter No.KH/8/ML/limestone/68/411 dated Shillong the 23rd April 2018 which subsequently renewed for another four months vide letter No.KH/8/ML/limestone/68/6620 dated Shillong the 18th January 2020.

The applied area does not fall under a cluster category as per a cluster certificate vide letter No. DMR/MM/213/2018/1696 dated Shillong, the 21st January 2020 issued by the office of the Director Mineral Resources Meghalaya Shillong where it mentioned that one approved mining plan of Shri. Astarland Khylllep with an area of 1.22 hectare located within 500 metre. Hence the applied mining area fall under cluster category with a total area of 3.32 hectare and as per appendix – XI of the Ministry of Environment, Forest and Climate Change Notification No.S.O.3977(E) dated New Delhi, the 14th August 2018, the area of cluster is under 5 hectare. Hence, the Environment Management Plan is not required.

The project proponent submitted the approved mining plan by the office of the Director of Mineral Resources, Government of Meghalaya, Shillong vide letter memo No.DMR/MM/213/2018/587-A dated Shillong the 5th July 2019. The mineable reserve of limestone are of the order of 1338104 MT with 50000 MT production target per annum taking the production as 178 TPD taking 280 as the average working days per annum. On this basis the anticipated life of the mine will be 26.7, say 27 years which fall within the parameter of the District survey report related to East Khasi Hills District.

The mining will be done by opencast semi mechanized method loading and transport will be done by trucks/tippers. Hydraulic breakers for stone breaking. Drilling will be done for blasting the stone out of the strata. Manual/pneumatic hammering for stone breaking will also be done. Blasting of the shot holes will be done using explosive cartridges of size 25 mm x 200 mm and detonation of the charges will be carried out using detonators with safety fuse or by the use of exploder.

As per project feasibility report submitted by the pp the project cost of Rs.68,00,000.00 and about 1.68 KLD water requirement will be met from nearby existing sources, Wah Umiam, located more than 600 m away from the mining area. The project proponent submitted that under Environment Management plan an amount of Rs.5,90,000 for Environmental Protection Measures such as monitoring of Atmospheric Air, Surface water, Noise levels (By External Agency), Soil Management, Greenbelt development and maintenance, Reclamation of degraded land, etc and Rs 1.40 lakhs means for occupational health and medical expenditure of employee.

The project proponent submitted the disaster management plan and the risk assessment report to mitigate any hazards occur during blasting, movement of vehicle etc in the mining process.

Recommendation

After due screening and examination of all the documents submitted by the Project Proponent, the committee unanimously recommended for grant of Environmental Clearance.

1.7. Proposal No.SIA/ML/MIN/39260/2019submitted by Bateinam S L Nongbri

The Project Proponent Shri. Bateinam S. L Nongbri, submitted online application vide **proposal No.SIA/ML/MIN/39260/2019**for Environmental Clearance for mining of boulder stone for an area of 2.40 hectare. 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 applied area located at Thangsning Village, Maweitning, East Khasi Hills District, Meghalaya and toposheet Survey of India No.780/14 within the following GPS Coordinates:

| Pillar No | GPS Coordinates | |
|-----------|-----------------|--------------|
| | Latitude | Longitude |
| 1 | 25°29'37.62" | 91°55'46.54" |
| 2 | 25°29'41.95" | 91°55'46.10" |
| 3 | 25°29'43.29" | 91°55'52.06" |
| 4 | 25°29'39.12" | 91°55'52.33" |

The proposed mining area is on agreement as per lease agreement executing on 30thJanuary 2017 as certified by the Notary East Khasi Hills District, Shillong.

The project proponent submitted that the Period of Mining Lease is of 14 years from the date of executing a lease with a project cost of Rs.65 lakhs and about 1.55 KLD water requirement will be met from nearby existing sources, like Thangsning River, located around 1.4 kms.

The project proponent submitted the approved mining plan by the office of the Director of Mineral Resources, Government of Meghalaya, Shillong vide letter memo No.DMR/MM/210/2018/2143 dated Shillong the 18thMarch 2019. The mine has a proved

geological reserve of 1233033 MT. The mine is targeted to produce 80000 MT of stone per annum taking the production as 267 TPD taking 300 as the average working days per annum. On this basis, the anticipated life of the mine will be 15.4 years. But after leaving residual benches to prevent a vertical face around the mined out area, the reserves of boulder stone that will be blocked in the residual benches will be 125504 tonnes. The mineable reserve therefore comes to only 1107529 tonnes. Accordingly, the actual anticipated life of the mine will be 13.8 say 14 years which fall within the parameter of the District survey report related to East Khasi Hills District.

The mining will be done by opencast semi mechanized method loading and transport will be done by trucks/tippers. Hydraulic breakers for stone breaking. Drilling will be done for blasting the stone out of the strata. Manual/pneumatic hammering for stone breaking will also be done. Blasting of the shot holes will be done using explosive cartridges of size 25 mm x 200 mm and detonation of the charges will be carried out using detonators with safety fuse or by the use of exploder.

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/9/NOC/Stone/41/Pt.III/11586-A dated Shillong the 22nd March 2018 and letter of intent vide letter No.No.KH/8/ML/Stone/69/132-A dated Shillong, the 11th April 2018 which subsequently renewed for another four months vide letter No.No.KH/8/ML/Stone/69/6765 dated Shillong, the 25th February 2020.

The project proponent has obtained a cluster certificate from the office of the Director of Mineral Resources, Government of Meghalaya, Shillong, vide letter No. DMR/MM/210/2018/1711, Dated Shillong, the 21st January 2020. As per the cluster certificate the mining area of Smti.Shimhok Lyngdoh Nongbri (mining of boulderstone for 2.50 hectare) located within 500 metres. Hence the proposed mining area fall under cluster category with a total area of 4.9 hectare and as per Ministry of Environment, Forest and Climate Change Notification No.S.O.3977(E) dated New Delhi, the 14th August 2018 in appendix – XI, the area of the project fall under category B2 less than 5 hectare. Hence, the Environment Management Plan is not required.

The project proponent submitted that an amount of Rs 7,25,000.00 for Environmental Protection Measures such as monitoring of Atmospheric Air, Surface water, Noise levels (By External Agency), Soil Management, Greenbelt development and maintenance, Reclamation of degraded land etc and Rs 1.40 lakhs means for occupational health and medical expenditure of employee.

The project proponent submitted the disaster management plan and the risk assessment report to mitigate any hazards occur during blasting, movement of vehicle etc in the mining process.

Recommendation

After due screening and examination of all the documents submitted by the Project Proponent, the committee unanimously recommended for grant of Environmental Clearance.


DAY 2

27th May 2020

ENVIRONMENTAL CLEARANCE

2.1. Proposal No.SIA/ML/MIN/151483/2020 submitted by Eurica Tariang.

The Project Proponent Smti Eurica Tariang, submitted online application vide **proposal No.SIA/ML/MIN/151483/2020** for Environmental Clearance for mining of limestone for an area of 3.55 hectare. The proposal is for mining of limestone use for construction purposes and export to Bangladesh. Hence the project fall under Schedule 1(a) of category B2 of EIA Notification 2006. The applied area located at Amtapoh, West Jaintia Hills, Meghalaya and toposheet Survey of India No 83C/4 within the following GPS Coordinates:



| Pillar No | GPS Coordinates | |
|-----------|-----------------|--------------|
| | Latitude | Longitude |
| 1 | N25°13'39.01" | E92°4'3.23" |
| 2 | N25°13'37.71" | E92°4'8.23" |
| 3 | N25°13'34.33" | E92°4'6.49" |
| 4 | N25°13'30.79" | E92°4'4.57" |
| 5 | N25°13'32.62" | E92°3'59.22" |
| 6 | N25°13'36.11" | E92°4'1.39" |

The applied area is on lease for 20 years as per registered lease agreement submitted by the PP.

The PP submitted mining plan approved by the office of the Divisional Mining Officer, West Jaintia Hills Jowai vide letter No.DMO-J/14/MM/Mining Plan/2019-20/89 dated Jowai, the 17th March 2020. The mineable reserve would be 4526799 tonnes with an average annual production of (4526799/20=226340) Tonnes per year with a project cost of Rs.32,00,000.00 lakhs and production of limestone in first five years will be 1129795 Tonnes. The average annual production of limestone may be different from the annual production of first five years. The balance mineable reserve, 3397004 Tonnes will be worked out in the subsequent 15 years. So life of the mine will be 20 years (first five years in plan period + 15 years in conceptual period) which fall within the parameter of the District survey report related to West Jaintia Hills District.

The mining will be done by opencast semi mechanized method and transport will be done by trucks/tippers. Hydraulic breakers for stone breaking. Drilling will be done for blasting the stone out of the strata. Blasting of the shallow holes will be done using jackhammer drill having

diameter from 39 mm to 34 mm the hole are generally made up to 3.3m (including 10% sub-grade) depth.

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/S.Q uarry12009-10/476/B/459 dated Jowai, the 21st May, 2018 and letter of intent vide letter No. JH/MMMCR-2016/2016-17/869/B/499 dated 28th May 2017.

The project proponent has obtained a cluster certificate from the office of the Divisional Mining Officer, Directorate of Mineral Resources, Government of Meghalaya, Jowai, vide letter No. DMO-J/14/MM/Mining Plan/2019-20/103 dated Jowai the 8th April 2020 where its mention that there is no approved mining plan located within a distance of 500 metres. Hence the applied mining area does not fall under cluster category.

The project proponent submitted that under Environment Management plan an amount of Rs.211250.00 for Environmental Protection Measures such as monitoring of Atmospheric Air, Surface water, Noise levels (By External Agency), Soil Management, Greenbelt development and maintenance, Reclamation of degraded land etc. The project proponent submitted the disaster management plan and the risk assessment report to mitigate any hazards occur during blasting, movement of vehicle etc in the mining process.

Recommendation

After due screening and examination of all the documents submitted by the Project Proponent, the committee unanimously recommended for grant of Environmental Clearance.

2.2. Proposal No.SIA/ML/MIN/149885/2020 submitted by Joiram Limestone Mine

The Project Proponent Smt. Streamlet Merry Syiem, submitted online application vide **proposal No.SIA/ML/MIN/149885/2020** for Environmental Clearance for mining of limestone for an area of 4.84 hectare. The proposal is for mining of limestone use for construction purposes and export to Bangladesh. Hence the project fall under Schedule 1(a) of category B2 of EIA Notification 2006. The applied area located at Joiram, Bhowal Syiemship, East Khasi Hills District, Meghalaya and toposheet Survey of India No 780/8 within the following GPS Coordinates:

| Pillar No | GPS Coordinates | |
|-----------|-----------------|---------------|
| | Latitude | Longitude |
| 1 | 25°12'34.98"N | 91°24'56.52"E |
| 2 | 25°12'29.46"N | 91°24'53.76"E |
| 3 | 25°12'30.36"N | 91°25'05.52"E |
| 4 | 25°12'35.58"N | 91°25'06.12"E |

The project proponent submitted that the Period of Mining Lease is of 20 years from the date of executing a lease with a project cost of Rs.35 lakhs and the water requirement for the proposed project for drinking use, dust suppression and other use will be 5 KLPD, which will be taken from nearby sources.

The project proponent submitted the approved mining plan by the office of the Director of Mineral Resources, Government of Meghalaya, Shillong vide letter memo No.DMR/MM/62/2019/956 dated Shillong the 30th August 2019. The mineable reserve would be 3737005 tonnes with an average annual production of 186850 ($3737005/20= 186850$) Tonnes. The average annual production of limestone may be different from the annual production of first five years. Thus 933606 tonnes of the total mineable reserve will be worked out in the first 5 years and the balance mineable reserve i.e 2803399 tonnes will be mined out in subsequent 15 years at the rate of 186893 tonnes per year. Therefore, the life of the mine will be 20 years (five years in plan period + fifteen years in conceptual period) which fall within the parameter of the District survey report related to East Khasi Hills District.

The mining will be done by opencast semi mechanized method loading will be done tire mounted hydraulic loaders and transport will be done by trucks/tippers. Hydraulic breakers for stone breaking. Drilling will be done for blasting the stone out of the strata. Blasting of the shallow holes will be done using jackhammer drill having diameter from 39 mm to 34 mm the hole are generally made up to 3.3m (including 10% sub-grade) depth.

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.VI/2966 dated Shillong the 01st August 2019 and letter of intent vide letter no .KH/8/ML/Limestone/68/3156 dated Shillong the 6th August 2019 which subsequently renewed for another four months vide letter No .KH/8/ML/Limestone/68/6733 dated Shillong the 25thFebruary 2020.

The project proponent has obtained a cluster certificate from the office of the Director of Mineral Resources, Government of Meghalaya, Shillong, vide letter No.DMR/MM/62/2019/1626 dated Shillong, the 16thDecember 2019 where it is mention that there is no approved mining plan located within a distance of 500 metres. Hence the applied mining area does not fall under cluster category.

The project proponent submitted that under Environment Management plan an amount of Rs1,60,000/- for Environmental Protection Measures such as monitoring of Atmospheric Air, Surface water, Noise levels (By External Agency), Soil Management, Greenbelt development and maintenance, Reclamation of degraded land etc and an amount of Rs 1,75,000/- to be spent under Corporate Social Responsibility plan annually. The project proponent submitted the disaster


management plan and the risk assessment report to mitigate any hazards occur during blasting, movement of vehicle etc in the mining process. The land document submitted is duly certified by Notary, Government of Meghalaya.

Recommendation

After due screening and examination of all the documents submitted by the Project Proponent, the committee unanimously recommended for grant of Environmental Clearance.

2.3. Proposal No.SIA/ML/MIN/150167/2020 submitted by Jojeng Marak

The Project Proponent Shri Jojeng Marak, submitted online application vide **proposal No. SIA/ML/MIN/150167/2020** for Environmental Clearance for mining of limestone for an area of 1.10 hectare. The proposal is for mining of boulder stone use for construction purposes and export to Bangladesh. Hence the project fall under Schedule 1(a) of category B2 of EIA Notification 2006. The applied area located at Bollonggre, P.O. Zikabari District- West Garo Hills Meghalaya and toposheet Survey of India No 78G/14 within the following GPS Coordinates:



| Pillar No | GPS Coordinates | |
|-----------|-----------------|---------------|
| | Latitude | Longitude |
| 1 | 25°38'49.1"N | 089°58'10.6"E |
| 2 | 25°38'51.4"N | 089°58'11.6"E |
| 3 | 25°38'53.5"N | 089°58'12.3"E |
| 4 | 25°38'54.7"N | 089°58'08.6"E |
| 5 | 25°38'51.5"N | 089°58'07.9"E |
| 6 | 25°38'51.2"N | 089°58'09.6"E |

The applied area is on lease for a period of 10 years as per registered lease deed executed on 22nd July 2019 at DC office Tura.

The project proponent submitted that the Period of Mining Lease is of 6 years from the date of executing a lease with a project cost of Rs.13,75,000.00 and the water requirement for the proposed project for drinking use, dust suppression and other use will be is made available from nearby existing bore well/ponds/river. Total geological reserve 12,94,830 MT and total production in 5 years 3,38,740 MT and a maximum of 68,200 MT/annum and the mineable reserves of boulder stone are of the order of 355000 tones with the production period of this mining plan will be around 338740 tons in 5 years. The balance reserve come to 355000-338740= 16260 tons. The balance reserves will be sufficient for 16260/68200=0.24 years. Thus, total life of the mine is 5+0.24=5.24 or say 6 years which fall within the parameter of the District survey report related to West Garo Hills District.

Boulder stone in the Mine area is to be excavated by conventional method of opencast mining through the formation of safe benches which will be semi mechanized and on single shift basis. Benches are to be formed and worked in a top to downward manner. Because of presence of hard rock mass, drilling for blasting is to be performed for loosening of the rock mass. The rock will be mostly excavated and broken by hydraulic excavators and rock breakers respectively.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, West and South West Garo Hills Territorial Division, Tura vide letter No.B/16/VII/NOC/MMMCR/3615-617 dated Tura the 17th September 2019 and letter of intent vide letter No.B/16/VII/5746 dated Tura the 25th November 2019.

The project proponent has obtained a cluster certificate from the office of the Divisional Mining Officer, East Garo Hills, Williamnagar, Directorate of Mineral Resources, Government of Meghalaya, vide letter No.DMO-W/MP/15/2019/161 dated Williamnagar the 12th February 2020 where it is mentioned that there is no approved mining plan located within a distance of 500 metres. Hence the applied mining area does not fall under cluster category.

The project proponent submitted that an amount of Rs3.1325 lakhs for Environmental Protection Measures such as monitoring of Atmospheric Air, Surface water, Noise levels (By External Agency), Soil Management, Greenbelt development and maintenance, Reclamation of degraded land etc. The PP submitted that green belt will be developed for 0.27 ha with multi-species bio-diversified sapling planted will ensure the development of green covers that will match the natural vegetation around.

Recommendation

After due screening and examination of all the documents submitted by the Project Proponent, the committee unanimously recommended for grant of Environmental Clearance.

2.4. Proposal No.SIA/ML/MIN/128952/2019 submitted by Shelina Nongbri

The Project Proponent Smti. Shelina Nongbri, submitted online application vide **proposal No.SIA/ML/MIN/128952/2019** for Environmental Clearance for mining of limestone for an area of 1.50 hectare. The proposal is for mining of boulder stone use for construction purposes. Hence the project fall under Schedule 1(a) of category B2 of EIA Notification 2006. The applied area located at Umeit Village, Raid Mawbuh, Myllem Syiemship, Ri Bhoi District, Meghalaya and toposheet Survey of India No 780/14 within the following GPS Coordinates:

| Pillar No | GPS Coordinates | |
|-----------|-----------------|----------------|
| | Latitude | Longitude |
| 1 | 25° 42' 28.9"N | 91° 56' 33.1"E |

| | | |
|---|----------------|----------------|
| 2 | 25° 42' 29.8"N | 91° 56' 31.6"E |
| 3 | 25° 42' 31.9"N | 91° 56' 30.5"E |
| 4 | 25° 42' 36.0"N | 91° 56' 33.2"E |
| 5 | 25° 42' 32.2"N | 91° 56' 35.3"E |

The PP submitted the registered land document made on the 15th January 2015 at Nongpoh.

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/9/NOC/Stone/41/Pt.V/5365 dated Shillong the 20th November 2018 and letter of intent vide letter No.KH/8/ML/Stone/69/5405 dated 21st November 2018.

The project proponent has obtained a cluster certificate from the office of the Director, Directorate of Mineral Resources, Government of Meghalaya, vide letter No.DMR/MM/73/2019/1485 dated Shillong, the 27th November 2019 where it is mention that the applied mining area of Smt. Banrisha Malngiangat Umeit village, Raid Mawbuh, Myllem Syiemship, Ri Bhoi District, Meghalaya located at a distance of 390 metres from the mining area of Smt. Shelina Nongbri. Hence the applied mining area fall under cluster category with a total area of 3.78 ha and as per Ministry of Environment, Forest and Climate Change Notification No.S.O.3977(E) dated New Delhi, the 14th August 2018 in appendix – XI, the area of the project fall under category B2 less than 5 hectare. Hence, the Environment Management Plan is not required.

The project proponent submitted the approved mining plan by the office of the Director of Mineral Resources, Government of Meghalaya, Shillong vide letter No.DMR/MM/19/2019/239 dated Shillong the 16th May 2019. Total geological reserve 7,58,260 MT with mineable reserve (excluding safety barrier) of 583341 MT but after leaving residual benches, the net total mineable reserves come to 315735 MT. the mine is targeted to produce 30000 MT of boulder per annum and taking 300 as the average number of working days per annum, the anticipated life of the mine will be 10.5 years, say 11 years with a project cost of Rs27, 00,000.00 and the water requirement for the proposed project for drinking use, dust suppression and other use will be is made available from nearby existing bore well/ponds/river. The applied mining area fall within the parameter of the District survey report related to Ri Bhoi District.

.The project proponent submitted that an amount of Rs4,90,000.00for five years for Environmental Protection Measures such as monitoring of Atmospheric Air, Surface water, Noise levels (By External Agency), Soil Management, Greenbelt development and maintenance, Reclamation of degraded land etc. The PP submitted that green belt will be developed for 0.27 ha with multi-species bio-diversified sapling planted will ensure the development of green covers that will match the natural vegetation around. The PP submitted that an amount of Rs.45,000 for Occupational health and medical expenditure of employee.

The two mines in the cluster are proposed to be worked by opencast semi-mechanized mining operations. Approach roads, removal of soil and proper stacking of the same for use in future reclamation work shall be done before commencement of production. For the Shelina Stone Mine, the soil as well as overburden that will be generated will be around 5,770 m³. It will be removed as and when the development of the benches proceed to the lower benches and it will be stored in a specific stack-yard on the western side of the safety barrier. Also for Umeit Boulder Stone Mine, the gritty soil that will be generated will be dumped on the west zone of the applied area.

After the development stage, benches will be formed and worked in a top to downward manner. The bench height in the cluster is 5-6 m and width will vary accordingly but will not be less than the height. Also, excavation of the boulder stone will be carried out by both drilling and blasting and the use of other standard equipment like loader, dumpers, etc. The bench faces will be kept nearly vertical (75°-85°) and overall pit slope angle will be around 45° with the horizontal.

Recommendation

After due screening and examination of all the documents submitted by the Project Proponent, the committee unanimously recommended for grant of Environmental Clearance.

OFFLINE APPLICATION

2.5. Offline application for Environmental Clearance submitted by Shri Bidonbor Manik Syiem for mining of boulder stone located at Mawlynrei, East Khasi Hills District for an area of 0.66 hectare.

The project proponent submitted that the mining lease area is a Non Forest Land, the same has been confirmed by the Divisional Forest Officer, Khasi Hills (T) Division, Shillong vide letter No.KH/9/NOC/STONE/41/Pt.III/9425 dated 09.11.2017. The PP also submitted the approved Mining Plan including Progressive Mine Closure Plan by the Director of Mineral Resources vide letter No. DMR/MM/146/2017 dated 10.4.2018.

The Project Proponent submitted that the Environmental clearance was granted by the DEIAA vide letter No.EKJ.20/1/2018/11/45/150 dated Shillong the 26th April 2019 which was subsequently **upheld by the SEIAA vide letter No.ML/SEIAA/DEIAA/EKH/PT/08/2019/16-A/315-322 dated 30.04.2019** in pursuance to the Office Memorandum F.No.L-11011/175/2018-IA-II (M) dated 12th December 2018 issued by the MoEF& CC, IA Division in view of the Hon'ble NGT order dated 13th September 2018 in O.A No. 186 of 2016 (Satendra Pandey vs Ministry of EF & CC &Anr. In this connection, the matter was transfer to SEIAA by the Member Secretary DEIAA vide letter No. EKH.20/1/2018/11/56/824 dated 29.11.2019 which

was subsequently forwarded to SEAC, Meghalaya for necessary recommendation vide letter No.ML/SEIAA/EKH/PT/08/2019/870 dt Shillong, the 14th January 2020.

The above proposal was placed on the 29th meeting of the State Expert Appraisal Committee held on 25th February 2020. After deliberately examined the documents submitted by the PP. The committee recommended that the PP to submit the correct GPS Coordinates. In compliance to the recommendation of the committee, the project proponent submitted the correct GPS Coordinates of Non Forest Land Certificate mention below:

| Pillar No | GPS Coordinates | |
|-----------|-----------------|--------------|
| | Latitude | Longitude |
| 1 | N25°35'43.1" | E91°57'16.2" |
| 2 | N25°35'42.1" | E91°57'16.2" |
| 3 | N25°35'42.0" | E91°57'16.5" |
| 4 | N25°35'40.6" | E91°57'16.5" |
| 5 | N25°35'41.3" | E91°57'20.9" |
| 6 | N25°35'42.5" | E91°57'20.5" |

Recommendation:

After due screening and examination of all the documents submitted by the Project Proponent, the committee unanimously recommended that clarification on the Forest Clearance Certificate, from the concerned Divisional Forest Officer, then after offline recommendation will be communicated accordingly.

2.6. Proposal for mining of boulder submitted by Ngaitlang Dhar

The SEAC received the proposal vide letter No.ML/SEIAA/Corrigendum/DEIAA/24/2020/40/1046/dated Shillong 19th March 2020 from SEIAA for correction of GPS Coordinates of Environmental Clearance as per Non Forest Land Certificate issued by the Divisional Forest Officer, East Khasi Hills & Ri Bhoi District Territorial Division, Shillong vide letter No.KH/9/NOC/STONE/41/Pt.VI/5306 dated Shillong the 25th November 2019 for the applied lease area of 4.5 hectares for mining of boulder stone located at Umduba, Killing Ri Bhoi District located within the following GPS Coordinates:

| Pillar No | GPS Coordinates | |
|-----------|-----------------|---------------|
| | Latitude | Longitude |
| 1 | 26°03'30.87"N | 91°49'34.66"E |
| 2 | 26°03'36.25"N | 91°49'33.34"E |
| 3 | 26°03'37.19"N | 91°49'27.45"E |

| | | |
|---|---------------|---------------|
| 4 | 26°03'36.56"N | 91°49'24.40"E |
| 5 | 26°03'30.36"N | 91°49'24.73"E |

As per record available, the Environmental Clearance was granted by DEIAA Ri Bhoi District vide letter No.DCRB(LR)4/2018/Rev/386/459 dated Nongpoh the 11th April 2018 with the following GPS Coordinates:

| Pillar No | GPS Coordinates | |
|-----------|-----------------|---------------|
| | Latitude | Longitude |
| A | 26°03'33.59"N | 91°49'27.10"E |
| B | 26°03'36.16"N | 91°49'28.97"E |
| C | 26°03'37.89"N | 91°49'20.45"E |
| D | 26°03'34.77"N | 91°49'20.17"E |

Recommendation:

After due screening and examination of all the documents submitted by the Project Proponent, the committee unanimously recommended that clarification on the Forest Clearance Certificate, from the concerned Divisional Forest Officer, then after offline recommendation will be communicated accordingly.

2.7. Proposal for mining of boulder submitted by M/s Uranus Stone Products & Co.

The SEAC received the proposal vide letter No.ML.SEIAA/Corrigendum/DEIAA/24/2020/42/1051 dated Shillong 23rd March 2020 from SEIAA for correction of GPS Coordinates of Environmental Clearance as per Non Forest Land Certificate issued by the Divisional Forest Officer, East Khasi Hills & Ri Bhoi District Territorial Division, Shillong vide letter No.KH/9/NOC/STONE/41/Pt.VI/5531 dated Shillong the 16th December 2019 for the applied lease area of 4.96 hectares for mining of boulder stone at Umduba, Raid Marwet, Ri Bhoi District located within the following GPS Coordinates:

| Pillar No | GPS Coordinates | |
|-----------|-----------------|---------------|
| | Latitude | Longitude |
| 1 | 26°04'16.59"N | 91°49'35.66"E |
| 2 | 26°04'16.56"N | 91°49'34.26"E |
| 3 | 26°04'15.30"N | 91°49'29.25"E |
| 4 | 26°04'13.62"N | 91°49'29.92"E |
| 5 | 26°04'12.54"N | 91°49'31.33"E |
| 6 | 26°04'10.49"N | 91°49'32.21"E |
| 7 | 26°04'08.98"N | 91°49'33.38"E |

| | | |
|----|---------------|---------------|
| 8 | 26°04'08.49"N | 91°49'35.66"E |
| 9 | 26°04'09.32"N | 91°49'37.13"E |
| 10 | 26°04'11.51"N | 91°49'38.45"E |
| 11 | 26°04'13.38"N | 91°49'39.47"E |
| 12 | 26°04'12.92"N | 91°49'37.42"E |
| 13 | 26°04'15.78"N | 91°49'36.85"E |

As per record available the Environmental Clearance was granted by DEIAA Ri Bhoi District vide letter No.DCRB(LR)4/2017/Rev/573/1832 dated Nongpoh the 18th October 2017 as per GPS Coordinates mentioned in the Non Forest Land Certificate issued by the Divisional Forest Officer, East Khasi Hills & Ri Bhoi District Territorial Division, Shillong vide letter No.KH/9/NOC/STONE/41/Pt.II/2104 dated Shillong the 6th July 2017:

| Pillar No | GPS Coordinates | |
|-----------|-----------------|--------------|
| | Latitude | Longitude |
| 1 | 26°04'13.3"N | 91°49'38.1"E |
| 2 | 26°04'13.1"N | 91°49'36.8"E |
| 3 | 26°04'12.0"N | 91°49'36.9"E |
| 4 | 26°04'11.5"N | 91°49'38.3"E |

Recommendation:

After due screening and examination of all the documents submitted by the Project Proponent, the committee unanimously recommended that clarification on the Forest Clearance Certificate, from the concerned Divisional Forest Officer, then after offline recommendation will be communicated accordingly.

DAY 3

28th May 2020

TERM OF REFERENCE

3.1. Proposal No.SIA/ML/MIN/49825/2020 submitted by Falguni Warisa

The Project Proponent Smt. Falguni. Warisa, submitted online application vide **proposal No.SIA/ML/MIN/49825/2020** for Term of Reference for mining of boulderstone for an area of 2.61 hectare. The proposal is for mining of boulder stone use for construction purposes. Hence the project fall under Schedule 1(a) of category B2 of EIA Notification 2006.The applied area

located at Umduba, Raid Marwet District- Ri-Bhoi, Meghalaya and toposheet Survey of India No 78N/16 within the following GPS Coordinates:

| Pillar No | GPS Coordinates | |
|-----------|-----------------|---------------|
| | Latitude | Longitude |
| 1 | 26°03'42.69"N | 91°49'34.94"E |
| 2 | 26°03'40.75"N | 91°49'34.13"E |
| 3 | 26°03'40.65"N | 91°49'31.20"E |
| 4 | 26°03'41.53"N | 91°49'28.15"E |
| 5 | 26°03'44.02"N | 91°49'25.30"E |
| 6 | 26°03'46.18"N | 91°49'26.37"E |
| 7 | 26°03'45.57"N | 91°49'30.23"E |
| 8 | 26°03'44.14"N | 91°49'31.26"E |
| 9 | 26°03'43.06"N | 91°49'33.30"E |

The PP submitted that the total geological reserve 36,55,260 MT and total production in 5 years 12,72,900 MT and peak production of 2,80,260 MT/annum. The mineable reserves of boulder stone are of the order of 1655400 tons with the production period as per mining plan will be around 1272900 tons in 5 years. The balance reserve $1655400 - 1272900 = 382500$ tons with production target of 280260 tons. The balance reserves will sufficient for $382500 / 280260 = 1.36$ years. Thus the total life of the mine is $5 + 1.36 = 6.36$ years with a project cost of Rs24,50,000.00 and the water requirement for the proposed project for drinking use, dust suppression and other use will be is made available from nearby existing bore well/ponds/river.

The PP submitted that 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/9/NOC/Stone/41/Pt.V/514 dated Shillong, the 02nd May 2019 and No.KH/8/ML/Stone/69/560 dated Shillong, the 21st May 2019.

The project proponent has obtained a cluster certificate from the office of the Director, Directorate of Mineral Resources, Government of Meghalaya, vide letter No.DMR/MM/45/2019/1122 dated Shillong, the 24th September 2019 where its mention that nine approved mining plan of different project proponent located within 500 metres. Hence the applied mining area fall under cluster category with a total area of 24.99 ha and as per Ministry of Environment, Forest and Climate Change Notification No.S.O.3977(E) dated New Delhi, the 14th August 2018 in appendix – XI, the project fall under category B2. Hence, the project proponent needs to prepare Environment Management Plan.

Recommendation

After due screening and examination of all the documents submitted by the Project Proponent, the committee unanimously recommended for Standard Term of Reference.

3.2. Proposal No.SIA/ML/MIN/52917/2020 submitted by Arbibora Chyne.

The Project Proponent Smt. Arbibora Chyne, submitted online application vide **proposal No.SIA/ML/MIN/52917/2020** for Term of Reference for mining of limestone for an area of 2 hectare. The proposal is for mining of limestone use for construction purposes. Hence the project fall under Schedule 1(a) of category B2 of EIA Notification 2006. The applied area located at Mawlong Sohpieng, Mawlong 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°11'34.7"N | 91°41'39.1"E |
| 2 | 25°11'36.2"N | 91°41'23.1"E |
| 3 | 25°11'37.8"N | 91°41'23.1"E |
| 4 | 25°11'36.3"N | 91°41'39.1"E |

The project proponent submitted that the Period of Mining Lease is of 7 years from the date of executing a lease with a project cost of Rs85.00 lakhs.

The PP submitted approval of the Mining Plan and Progressive Mine Closure Plan from Department of Mineral Resources, Meghalaya vide letter no. DMR/MM/228/2018/2100-A dated Shillong, the 14/03/2019. The Mining plan has been prepared to extract limestone deposits at an annual rate of 70,000 MT. The mine has been planned for a production of 280 TPD and the mine working will be based on opencast, semi-mechanized method of mining. Total geological reserve 8,01,949 MT with mineable reserves of limestone are of the order of 590501 mt with the target production of 70000 MT per annum taking 250 as the average number of working days per annum, the anticipated life of the mine will be 5.15 years say 6 years.

The PP submitted that that the applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, East Khasi Hill & Ri Bhoi Territorial Division, Shillong vide letter No.KH/8/NOC/limestone/41/Pt.IV/3357 dated Shillong the 03rd August 2018 and letter of intent vide letter No.KH/8/ML/Limestone/68/9986 dated Shillong the 14th December 2017 which subsequently renewed vide letter No.KH/8/ML/Limestone/68/6975 dated Shillong the 11th March 2020.

The project proponent has obtained a cluster certificate from the office of the Director, Directorate of Mineral Resources, Government of Meghalaya, vide letter

No.DMR/MM/228/2018/1710 dated Shillong, the 21st January 2020 where it is mention that four approved mining plan of different project proponent located within 500 metres. Hence the applied mining area fall under cluster category with a total area of 9.938 hectare and as per Ministry of Environment, Forest and Climate Change Notification No.S.O.3977(E) dated New Delhi, the 14th August 2018 in appendix – XI, the project fall under category B2. Hence, the project proponent need to prepare Environment Management Plan.

Recommendation

After due screening and examination of all the documents submitted by the Project Proponent, the committee unanimously recommended for Standard Term of Reference.

3.3. Proposal No.SIA/ML/MIN/49844/2020 submitted by Promilla R Marak

The Project Proponent Smt. Promilla R Marak, submitted online application vide **proposal No.SIA/ML/MIN/49844/2020** for Term of Reference for mining of boulderstone for an area of 1.33 hectare. 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 applied area located at Near Village Maraka Chiring, Manggapara P.O.-Zekabari District- West Garo Hills, Meghalaya and toposheet Survey of India No 78K/2 within the following GPS Coordinates:

| Pillar No | GPS Coordinates | |
|-----------|-----------------|---------------|
| | Latitude | Longitude |
| 1 | 25°36'42.97"N | 90°01'06.66"E |
| 2 | 25°36'43.97"N | 90°01'03.73"E |
| 3 | 25°36'47.43"N | 90°01'06.44"E |
| 4 | 25°36'46.13"N | 90°01'08.35"E |

The project proponent submitted that the Period of Mining Lease is of 7 years from the date of executing a lease with a project cost of Rs.20,00,000.00. Total geological reserve 12,76,790 MT with mineable reserves of boulderstone are of the order of 752900 tons with the target production of 535920 tones in 5 years. The balance reserves is $752900 - 535920 = 216980$ tones with production target of 127250 tones. The balance reserves will sufficient for $216980/127250 = 1.7$ years. Thus the total life of the mine is $5 + 1.7 = 6.7$ say 7 years.

Boulder stone in the Mine area is to be excavated by conventional method of opencast mining through the formation of safe benches which will be semi mechanized and on single shift basis. Benches are to be formed and worked in a top to downward manner. Because of presence of hard rock mass, drilling for blasting is to be performed for loosening of the rock mass. The rock will be mostly excavated and broken by hydraulic excavators and rock breakers respectively.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, West and South West Garo Territorial Division, Tura vide letter No.B/16/VII/NOC/MMMCR/5622-24 dated Tura 24th November 2019.

The project proponent has obtained a cluster certificate from the office of the Divisional Mining Officer, East Garo Hills Williamnagar, Directorate of Mineral Resources, Government of Meghalaya, vide letter No.DMO-W/MP/15/2019/103 dated Williamnagar, the 25th September 2019 where it mentions that five approved mining plans of different project proponents are located within 500 metres. Hence the applied mining area falls under cluster category with a total area of 5.53 hectare and as per Ministry of Environment, Forest and Climate Change Notification No.S.O.3977(E) dated New Delhi, the 14th August 2018 in appendix – XI, the project falls under category B2. Hence, the project proponent needs to prepare Environment Management Plan.

Recommendation

After due screening and examination of all the documents submitted by the Project Proponent, the committee unanimously recommended for Standard Term of Reference.

3.4. Proposal No.SIA/ML/MIN/50656/2020 submitted by Narsen Mawa

The Project Proponent Shri Narsen Mawa, submitted online application vide **proposal No.SIA/ML/MIN/50656/2020** for Term of Reference for mining of limestone for an area of 3.5 hectare. The proposal is for mining of limestone use for construction purposes. Hence the project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The applied area is located at Temjalong, Wahlong Sirdarship, District- East Khasi hills, Meghalaya and topographic Survey of India No 780/16 within the following GPS Coordinates:

| Pillar No | GPS Coordinates | |
|-----------|-----------------|---------------|
| | Latitude | Longitude |
| 1 | 25°11'00.03"N | 91°42'32.48"E |
| 2 | 25°10'58.40"N | 91°42'39.76"E |
| 3 | 25°10'55.08"N | 91°42'40.07"E |
| 4 | 25°10'53.30"N | 91°42'35.99"E |
| 5 | 25°10'56.17"N | 91°42'30.97"E |

The project proponent submitted that the Period of Mining Lease is of 15 years from the date of executing a lease with a project cost of Rs.17,50,000.00. Total geological reserve 50,52,370MT with mineable reserves of limestone are of the order of 2798600 tons with the target production of 827620 tones in 5 years. The balance reserves is $2798600 - 827620 = 1970980$ tones with production target of 198450 tones. The balance reserves will be sufficient for $1970980/198450 = 9.93$ years. Thus the total life of the mine is $5 + 9.93 = 14.93$ or 15 years.

Limestone in the Mine area is to be excavated by conventional method of opencast mining through the formation of safe benches which will be semi mechanized and on single shift basis. Benches are to be formed and worked in a top to downward manner. Because of presence of hard rock mass, drilling for blasting is to be performed for loosening of the rock mass. The rock will be mostly excavated and broken by hydraulic excavators and rock breakers respectively.

The proposed mining area is a Non Forest Land which was confirmed by the Divisional Forest Officer, East Khasi Hills and Ri Bhoi Territorial Division, Shillong vide letter No.KH/8/NOC/Limestone/41/Pt.IV/ dated Shillong 2019 and letter of intent vide letter No.KH/8/ML/Limestone/68/2775 dated Shillong the 22nd July 2019 which was subsequently renewed vide letter No.KH/8/ML/Limestone/68/6157 dated Shillong the 28th January 2020.

The project proponent has obtained a cluster certificate from the office of the Director, Directorate of Mineral Resources, Government of Meghalaya, vide letter No.DMR/MM/55/2019/1121 dated Shillong the 24th September where its mention that five approved mining plan of different project proponent located within 500 metres. Hence the applied mining area fall under cluster category with a total area of 14.7091 hectare and as per Ministry of Environment, Forest and Climate Change Notification No.S.O.3977(E) dated New Delhi, the 14th August 2018 in appendix – XI, the project fall under category B2. Hence, the project proponent need to prepare Environment Management Plan.


Recommendation

After due screening and examination of all the documents submitted by the Project Proponent, the committee unanimously recommended for Standard Term of Reference and with additional condition that the PP to submit registered land documents along with EMP.

3.5. Proposal No.SIA/ML/MIN/50779/2020 submitted by Kermiky Dkhar

The Project Proponent Shri Kermiky Dkhar, submitted online application vide **proposal No.SIA/ML/MIN/50779/2020** for Term of Reference for mining of limestone for an area of 4.58 hectare. The proposal is for mining of limestone use for construction purposes. Hence the project fall under Schedule 1(a) of category B2 of EIA Notification 2006. The applied area located at Wahlahthma, Lumshnong, District- East Jaintia Hills Meghalaya and within the following GPS Coordinates:

| Pillar No | GPS Coordinates | |
|-----------|-----------------|-------------|
| | Latitude | Longitude |
| 1 | 25°09'50.3" | 92°22'02.0" |
| 2 | 25°09'49.7" | 92°22'01.8" |
| 3 | 25°09'49.5" | 92°22'01.7" |



| | | |
|----|--------------|-------------|
| 4 | 25°09'49.3" | 92°22'01.6" |
| 5 | 25°09'48.7" | 92°22'01.4" |
| 6 | 25°09'48.3" | 92°22'01.5" |
| 7 | 25°09'47.8" | 92°22'01.4" |
| 8 | 25°09'45.9" | 92°22'00.7" |
| 9 | 25°09'45.1" | 92°21'59.8" |
| 10 | 25°09'44.8" | 92°21'59.7" |
| 11 | 25°09'44.6" | 92°21'59.3" |
| 12 | 25°09'44.3" | 92°21'58.7" |
| 13 | 25°09'43.0" | 92°21'58.7" |
| 14 | 25°09'42.6" | 92°21'59.5" |
| 15 | 25°09'42.4" | 92°21'59.6" |
| 16 | 25°09'42.2" | 92°21'59.7" |
| 17 | 25°09'41.8" | 92°21'59.2" |
| 18 | 25°09'39.7" | 92°21'58.0" |
| 19 | 25°09'39.6" | 92°21'56.5" |
| 20 | 25°09'39.7" | 92°21'55.5" |
| 21 | 25°09'40.1" | 92°21'54.6" |
| 22 | 25°09'41.0" | 92°21'54.5" |
| 23 | 25°09'41.7" | 92°21'52.3" |
| 24 | 25°09'43.3" | 92°21'52.5" |
| 25 | 25°09'45.1" | 92°21'54.6" |
| 26 | 25°09'46.0" | 92°21'56.4" |
| 27 | 25°09'46.9" | 92°21'57.2" |
| 28 | 25°09'48.6" | 92°21'57.2" |
| 29 | 25°09'49.3" | 92°21'57.4" |
| 30 | 25°09'50.1" | 92°21'57.0" |
| 31 | 25°09'50.43" | 92°21'57.1" |
| 32 | 25°09'50.4" | 92°21'58.1" |
| 33 | 25°09'50.7" | 92°22'00.0" |

The project proponent submitted that the Period of Mining Lease is of 16 years from the date of executing a lease with a project cost of Rs23,00,000.00. Total geological reserve 74,36,740MT with mineable reserves of limestone are of the order of 3200000 tons with the target production of 1000350 tons in 5 years. The balance reserves is $3200000 - 1000350 = 2199650$ tones with

production target of 200070 tones. The balance reserves will sufficient for $2199650/200070=10.997$ years. Thus the total life of the mine is $5+10.99=15.99$ say 16 years.

Limestone in the Mine area is to be excavated by conventional method of opencast mining through the formation of safe benches which will be semi mechanized and on single shift basis. Benches are to be formed and worked in a top to downward manner. Because of presence of hard rock mass, drilling for blasting is to be performed for loosening of the rock mass. The rock will be mostly excavated and broken by hydraulic excavators and rock breakers respectively.

The proposed mining area is a Non Forest Land which was confirmed by the Divisional Forest Officer, Jaintia Hills Territorial Division, Jowai vide letter No.JH/S.Quary/2009-10/476/B/1737 dated Jowai the 19th June 2019 and letter of intent vide letter No.JH/MMMCR-2016/2016-17/869/B/2009 dated Jowai 30th July 2019 which subsequently renewed vide letter No.JH/MMMCR-2016/2016-17/869/B/2126 dated Jowai, the 30th January 2020.

The project proponent has obtained a cluster certificate from the office of the Divisional Mining Officer West Jaintia Hills District vide letter No.DMO-J/23/MM/Mining Plan/2019/34 dated Jowai, the 19th September 2019 where it is mention that two approved mining plan are located within 500 metres. Hence the applied mining area fall under cluster category with a total area of 12.053 hectare and as per Ministry of Environment, Forest and Climate Change Notification No.S.O.3977(E) dated New Delhi, the 14th August 2018 in appendix – XI, the project fall under category B2. Hence, the project proponent need to prepare for Environment Management Plan.

Recommendation

After due screening and examination of all the documents submitted by the Project Proponent, the committee unanimously recommended for Standard Term of Reference.

3.6. Proposal No.SIA/ML/MIN/52732/2020 submitted by Arjust Limestone Mine

The Project Proponent Shri. Arjust Nongtraw, submitted online application vide **proposal No.SIA/ML/MIN/52732/2020** for Term of Reference for mining of limestone for an area of 0.7162 hectare. The proposal is for mining of limestone use for construction purposes. Hence the project fall under Schedule 1(a) of category B2 of EIA Notification 2006.The applied area located at Khlieh Parmaw, Tyngwai Area, 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°10'39.5"N | 91°43'20.1"E |
| 2 | 25°10'41.2"N | 91°43'19.9"E |

| | | |
|---|--------------|--------------|
| 3 | 25°10'43.4"N | 91°43'20.5"E |
| 4 | 25°10'42.8"N | 91°43'22.6"E |
| 5 | 25°10'40.8"N | 91°43'22.0"E |
| 6 | 25°10'38.8"N | 91°43'21.7"E |

The approved Mining Plan and Progressive Mine Closure Plan from Directorate of Mineral Resources, Meghalaya vide letter No.DMR/MM/21/2019/2019/01-A, dated Shillong, the 3rd April 2019. The Mining plan has been prepared to extract limestone deposits at an annual rate of 50,000 MT. The mine has been planned for a production of 200 TPD and the mine working will be based on open cast, semi-mechanized method of mining.

The project proponent submitted that the Period of Mining Lease is of 15 years from the date of executing a lease with a project cost of Rs70 lakhs. Total geological reserve 6,01,075MT with mineable reserves of limestone are of the order of 419941 tons with the target production of 50000 MT per year and taking 250 as average number of working days per annum, the anticipated life of the mine will be 4.01 years say 4 years.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, East Khasi Hills and Ri Bhoi Territorial Division, Shillong vide letter No.KH/8/NOC/Limestone/41/Pt.IV/6170 dated Shillong, the 11th January 2019 and letter of intent vide letter No.KH/8/ML/Limestone/68/6235 dated Shillong the 14th January 2019.

The project proponent has obtained a cluster certificate from the office of the Director, Directorate of Mineral Resources, Government of Meghalaya, vide letter No.DMR/MM/21/2019/1536 dated Shillong the 6th December 2019 where its mention that two approved mining plan of different project proponent located within 500 metres. Hence the applied mining area fall under cluster category with a total area of 7.1162 hectare and as per Ministry of Environment, Forest and Climate Change Notification No.S.O.3977(E) dated New Delhi, the 14th August 2018 in appendix – XI, the project fall under category B2. Hence, the project proponent need to prepare Environment Management Plan.

Recommendation

After due screening and examination of all the documents submitted by the Project Proponent, the committee unanimously recommended for Standard Term of Reference.

3.7. Proposal No.SIA/ML/MIN/52741/2020 submitted by Pirtimai Limestone Mine

The Project Proponent Smt. Pirtimai Lyngdoh Synrem, submitted online application vide **proposal No.SIA/ML/MIN/52741/2020** for Term of Reference for mining of limestone for an area of 2.449 hectare. The proposal is for mining of limestone use for construction purposes.

Hence the project fall under Schedule 1(a) of category B2 of EIA Notification 2006.The applied area located Ri Laingut, Tyngwai Area, Sohbar Sirdarshhip& East Khasi Hills District and toposheet Survey of India No 780/12 within the following GPS Coordinates:

| Pillar No | GPS Coordinates | |
|-----------|-----------------|---------------|
| | Latitude | Longitude |
| 1 | 25°11'26.82"N | 91°44'49.39"E |
| 2 | 25°11'26.50"N | 91°44'50.55"E |
| 3 | 25°11'26.20"N | 91°44'51.28"E |
| 4 | 25°11'25.95"N | 91°44'52.07"E |
| 5 | 25°11'23.59"N | 91°44'53.49"E |
| 6 | 25°11'21.35"N | 91°44'53.24"E |
| 7 | 25°11'18.56"N | 91°44'52.48"E |
| 8 | 25°11'18.18"N | 91°44'50.05"E |
| 9 | 25°11'19.88"N | 91°44'49.51"E |
| 10 | 25°11'22.25"N | 91°44'49.70"E |
| 11 | 25°11'24.29"N | 91°44'49.13"E |
| 12 | 25°11'26.13"N | 91°44'48.23"E |

The PP submitted the approved Mining Plan and Progressive Mine Closure Plan from the Directorate of Mineral Resources, Meghalaya vide letter No.DMR/MM/239 /2018/2145-A, dated Shillong, the 19th March 2019. She had been mining on this area till a ban on mining activities has been imposed in the state on mines without valid License from the competent authority.

The mine has been planned for a production of 50000 TPD and the mine working will be based on opencast, semi-mechanized method of mining.

The project proponent submitted that the Period of Mining Lease is of 7 years from the date of executing a lease with a project cost of Rs29.87 Lakhs.

Boulder stone in the Mine area is to be excavated by conventional method of opencast mining through the formation of safe benches which will be semi mechanized and on single shift basis. Benches are to be formed and worked in a top to downward manner. Because of presence of hard rock mass, drilling for blasting is to be performed for loosening of the rock mass. The rock will be mostly excavated and broken by hydraulic excavators and rock breakers respectively.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, East Khasi Hills and Ri Bhoi Territorial Division, Shillong vide letter No.KH/8/NOC/Limestone/41/Pt.III/10309-8 dated Shillong, the 16th Jan 2018 and the Letter of

Intent for mining lease of limestone (minor mineral) mining in favour of Smt. Pirtimai Lyngdoh Synrem vide letter no.KH/8/ML/Limestone/68/4266 dated Shillong, the 27th September,2018.

The project proponent has obtained a cluster certificate from the office of the Director, Directorate of Mineral Resources, Government of Meghalaya, vide letter No.DMR/MM/239/2018/1746 dated Shillong, the 22nd January 2020 where it is mentioned that four approved mining plan of different project proponent located within 500 metres. Hence the applied mining area fall under cluster category with a total area of 13.464 hectare and as per Ministry of Environment, Forest and Climate Change Notification No.S.O.3977(E) dated New Delhi, the 14th August 2018 in appendix - XI, the project fall under category B2. Hence, the project proponent need to prepare Environment Management Plan.

Recommendation

After due screening and examination of all the documents submitted by the Project Proponent, the committee unanimously recommended for Standard Term of Reference.


Chairman

State Expert Appraisal Committee
Meghalaya, Shillong.

Copy for information and necessary action to:

1. Shri Nababrata Bhattacharjee, Chairman
2. Shri Shekhar K. Sangma, Member
3. Shri Toiler H.S. Bonney IFS (Retd.), Member
4. Shri Puhran M. Sangma. Member
5. Shri Phngain Singh Giri Lyngdoh, Member
6. Prof. Donkumar Syiem, Member ,
- ✓ 7. The Member Secretary, State Environment Impact Assessment Authority, Meghalaya



Member Secretary
State Expert Appraisal Committee,
Meghalaya, Shillong.