

STATE EXPERT APPRAISAL COMMITTEE (SEAC)

::MEGHALAYA::

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

MINUTES OF 72nd MEETING OF THE STATE EXPERT APPRAISAL COMMITTEE, MEGHALAYA SHILLONG HELD ON 30th NOVEMBER 2023, FOR ENVIRONMENTAL APPRAISAL OF NON-COAL MINING PROJECTS

Members of the Committee present:

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

The 72nd meeting of State Expert Appraisal Committee (SEAC), Meghalaya, Shillong, held on 30th November 2023 from 10:00 A.M. onwards in the Conference Hall, office of the Principal Chief Conservator of Forests & HoFF, Meghalaya, Lower Lachumiere, Shillong – 793001, through offline method. At the outset the Chairman Shri. Nababrata Bhattacharjee, welcomed all the members of the Committee present and called the meeting to order. He requested the Member Secretary to initiate the discussion as per the agenda circulated vide letter No.ML/SEAC/Meeting/Vol-V/1/2023/20 dated Shillong, the 24th November, 2023, accordingly. All proposed mining areas are cross checked through google earth.

1. Confirmation of the minutes of the 71st Meeting held on 31st October 2023.

The minutes were confirmed.

2. Action taken report as per the decision taken in the 71st Meeting.

As per the decision taken in the 71st Meeting of the State Expert Appraisal Committee held on 31st October 2023, (6) six proposals for Environmental Clearance, (1) one proposal for Terms of Reference (TOR) and (1) Rejected proposal were recommended to the State Environment Impact Assessment Authority, Meghalaya.

ENVIRONMENTAL CLEARANCE

I. Proposal No.SIA/ML/MIN/446812/2023 submitted by Smt. Promilla Marak

The Project Proponent, Smt. Promilla Marak submitted online application vide proposal No. SIA/ML/MIN/446812/2023 for Environmental Clearance Ghasuragao Brick Earth Earth Quarry Permit for mining of Brick Earth for an area of 1.11 hectares. The proposal for mining of brick earth is for making bricks for construction purposes. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The mining lease area is located at Ghasuragao area, P.O. Ampati, South West Garo Hills District, Meghalaya and top sheet No. G45R14 within the following GPS Coordinates

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 28' 41.3"N	89° 55' 14.4"E
2	25° 28' 43.6"N	89° 55' 16.0"E
3	25° 28' 43.5"N	89° 55' 16.3"E
4	25° 28' 42.5"N	89° 55' 16.6"E
5	25° 28' 42.5"N	89° 55' 17.0"E
6	25° 28' 41.7"N	89° 55' 16.9"E
7	25° 28' 39.8"N	89° 55' 20.4"E
8	25° 28' 37.7"N	89° 55' 19.1"E
9	25° 28' 38.3"N	89° 55' 18.0"E
10	25° 28' 40.1"N	89° 55' 16.5"E

The proposed land belongs to the project proponent vide Affidavit which was executed on the 28th August 2019 and certified by the Sub-Registrar, South West Garo Hills, Meghalaya.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, West, & South-West Garo Hills (T) Division, Tura vide letter No.B/16/VII/NOC/MMMCR/3074-76 dated Tura, the 7th September, 2021 and Renewed Letter of Intent vide letter No.B/16/VII/3054, dated Tura, the 27th September, 2023 respectively. The Project Proponent also obtained the 'No Objection Certificate' issued by the District Agriculture Officer, South West Garo Hills, Ampati vide letter No.AGRI/SWGH/DAO/NOC-22/2023-24/525 dated Ampati, the 19th October 2023.



The project proponent obtained a cluster certificate from the Divisional Mining Officer, East Garo Hills, Williamnagar vide letter No.DMO-W/MP/15/2019/85 dated Williamnagar, the 11th October 2022 which states that there is no approved mining plan lying within 500 metres from the applied mining lease area. Hence, the Environment Management Plan is not required.

The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Divisional Mining Officer, East Garo Hills District, Williamnagar vide letter No.DMO-W/MP/70/2021/184 dated Williamnagar, the 7th January 2022. The Mining Plan has been prepared to produce 2500 TPA of brick earth or 10 lakhs brick per year with a project cost of Rs.6.5 lakhs and the operations will be open cast, mechanized method of mining.

As per the approved mining plan, the mineable reserves are of the order of 35,680 MT. The production in the period of this mining plan will be around 12,500 MT in 5 years. Therefore, the balance reserves will be $(35,680 - 12,500)$ or 23,180 MT. If the production target is 2500 MT, the balance reserve will be sufficient for $(23,180 / 2500)$ or 9.27 years. Thus, the total life of the mine is $5 + 9.27 = 14.27$ years.

Recommendation

After due screening and examination of all the documents submitted by the Project Proponent and deliberation as well as observation using kml file through google earth, the committee unanimously recommended for grant of Environment Clearance with the following conditions.

1. Curtain drains to be constructed to intercept the surface water runoff, if any, including debris etc. overflowing to the adjoining land/agricultural field etc. during the mining operation; Monitoring Agency is to take necessary action as per relevant section(s) of Water (Prevention & Control of Pollution) Act, 1974.
2. GPS coordinates of each pillar should be carved/painted clearly on the pillars with red colour.
3. 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/451575/2023 submitted by Smt. Duwanrikynti Puwein

The Project Proponent, Smt.Duwanrikynti Puwein submitted online application vide proposal No. SIA/ML/MIN/451575/2023 for Environmental Clearance for Shngi Ramshiang Boulder Stone Mine for mining of boulder stone for an area of 1.50 hectares. The proposal is for mining of boulder stone to be used for construction of buildings & making/dressing of roads. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The mining lease area is located at Shngi Ramshiang Mawkynrew, Umsohpieng village, West Khasi Hills District, Meghalaya and toposheet No. G46N1 within the following GPS Coordinates

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 46' 45.71"N	91° 6' 28.56"E
2	25° 46' 47.28"N	91° 6' 23.63"E
3	25° 46' 45.35"N	91° 6' 21.32"E
4	25° 46' 42.72"N	91° 6' 26.39"E

The proposed land is on lease for a period of 29 years vide Deed of Lease which was executed on the 19th July 2023 at Nongstoin and certified by the District Registrar, West Khasi Hills District, Meghalaya.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, Social Forestry & Territorial Division, West & South West Khasi Hills, Nongstoin vide letter No.T/WSW/21/NOC(S)/697 dated Nongstoin, the 7th August, 2023 and Letter of Intent vide letter No.T/W&SW/SQ/20-21/259/698, dated Nongstoin, the 8th August, 2023 respectively.

The project proponent obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya vide letter No.DMR/MM/187/2023/07 dated Shillong, the 3rd November 2023 which states that there is no approved mining plan lying within 500 metres from the applied mining lease area. Hence, the Environment Management Plan is not required.

The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Mining Engineer, Directorate of Mineral Resources, Meghalaya vide letter No.DMR/MM/187/2023/04 dated Shillong, the 10th October 2023. The Mining Plan has been prepared to extract boulder stone at the rate of 40,130 MT per annum with a project cost of Rs.14.00 lakhs and the operations will be open cast, mechanized method of mining.



As per the approved mining plan, the mineable reserves of boulder stone are of the order of 3,95,260 Tonnes. The production in the period of this mining plan will be around 2,00,670 Tonnes in 5 years. Therefore, the balance reserves will be $(3,95,260 - 2,00,670)$ or 1,94,590 Tonnes. If the yearly production target is 40,150 Tonnes, the balance reserve will be sufficient for $(1,94,590 / 40,150)$ or 4.84 years. Thus, the total life of the mine is $5 + 4.84 = 9.84$ or say 10 years.

Recommendation

After due screening and examination of all the documents submitted by the Project Proponent and deliberation as well as observation 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. A retaining wall of adequate height not less than 6 ft above the ground level and 4-6 ft below the ground level is to be constructed within mining site for stacking of Over Burden (OB). Because of the steep gradient of the proposed mining site, the retaining wall, however, should be higher towards the southern part to ensure that no debris etc. overflows to adjoining land/agricultural field.
3. Garland drains is to be constructed along the periphery of the mining lease boundary to capture the storm water run-off from the mining area, all drains will link to a settling tank with compartments to check and arrest siltation in the mine water prior to discharge.
4. Curtain Drain is to be constructed properly to intercept the surface water from flowing into the mining area and water flowing out of the mine channelized to the Settling tank.
5. If any debris etc. overflows to adjoining land/agricultural field etc. during the mining operation, Monitoring Agency is to take necessary action as per relevant section(s) of Water (Prevention & Control of Pollution) Act, 1974.
6. In annual EMP budget under GREEN BELT, creation of plantations including nursery cost, fencing etc the notified norms of Forest and Environment Department, Govt of Meghalaya is to be followed strictly, including financial cost. Budget under said head stands revised accordingly.



7. To increase the allocation for plantation and maintenance to a minimum of Rs. 1 lakh per annum and increase the number of saplings to be planted. The Nurseries for the approved species as given in the EIA report should be created before commencement of the mining plan and the types of species should be according to the Forest Department Plantation Norms (Amended in 31.03.2023) & plantation should be done in the 1st and 2nd year of the planed period.
8. CER should be included in the capital cost and it should be increased to a minimum of Rs 1 lakh annually.
9. Boundary pillars with the height not less than 2.5 feet above the ground level and 1.5 feet below ground and minimum 8 inches on all face of pillar should be erected.
10. GPS coordinates of each pillar should be carved/painted clearly on the pillars with red colour.
11. A board highlighting the name of project and project proponent, location name, total area of the mine, date of issue of EC by SEIAA and CTO & CTE by MSPCB should be installed at the entrance to the mining site and clearly visible.
12. Fencing of the boundary of site with minimum two strands of barbed wire or ordinary split bamboo fencing is to be erected all around the periphery of the approved mining area.
13. Storing and collection of water through rainwater harvesting for dust sprinkling and recharging of the aquifers.



III. Proposal No.SIA/ML/MIN/433075/2023 submitted by Shri. Bullstarwell Marbaniang

The Project Proponent, Shri.Bullstarwell Marbaniang submitted online application vide proposal No. SIA/ML/MIN/433075/2023 for Environmental Clearance for Mawtynrong Boulder Stone Mine for mining of boulder stone for an area of 1.15 hectares. The proposal is for mining of boulder stone to be used for construction of buildings & making/dressing of roads. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The mining lease area is located at Mawtynrong, Rambrai Syiemship, West Khasi Hills District, Meghalaya and toposheet No. G46N6 within the following GPS Coordinates

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 41' 12.43"N	91° 19' 29.95"E
2	25° 41' 10.25"N	91° 19' 31.35"E
3	25° 41' 9.57"N	91° 19' 32.57"E
4	25° 41' 7.43"N	91° 19' 31.85"E
5	25° 41' 7.00"N	91° 19' 30.43"E
6	25° 41' 10.90"N	91° 19' 27.96"E
7	25° 41' 11.89"N	91° 19' 28.31"E

The proposed land belongs to the project proponent vide Sale Deed which was executed on the 19th March 2022 and certified by the Public Notary, West Khasi Hills District, Meghalaya.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, Social Forestry & Territorial Division, West & South West Khasi Hills, Nongstoin vide letter No.T/WSW/21/NOC(S)/1236 dated Nongstoin, the 11th October, 2023 and Letter of Intent vide letter No.T/W&SW/22-23/SQ/245/1247, dated Nongstoin, the 12th October, 2022 respectively.

The project proponent obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya vide letter No.DMR/MM/177/2022/08 dated Shillong, the 12th April 2023 which states that there is no approved mining plan lying within 500 metres from the applied mining lease area. Hence, the Environment Management Plan is not required.

The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Mining Engineer, Directorate of Mineral Resources, Meghalaya vide letter No.DMR/MM/177/2022/04 dated Shillong, the 1st February 2023. The Mining Plan has been prepared to extract boulder stone at the rate of 40,000 MT/annum with a project cost of Rs.19.00 lakhs and the operations will be open cast, mechanized method of mining.



As per the approved mining plan, the mineable reserves of boulder stone are of the order of 2,37,020 Tonnes. The production in the period of this mining plan will be around 2,00,000 Tonnes in 5 years. Therefore, the balance reserves will be $(2,37,020 - 2,00,000)$ or 37,020 Tonnes. If the yearly production target is 40,000 Tonnes, the balance reserve will be sufficient for $(37,020 / 40,000)$ or 0.92 years. Thus, the total life of the mine is $5 + 0.92 = 5.92$ or say 6 years.

Recommendation

After due screening and examination of all the documents submitted by the Project Proponent and deliberation as well as observation using kml file through google earth, the committee unanimously recommended for grant of Environment Clearance with the following conditions.

1. A retaining wall of adequate height not less than 6 ft above the ground level and 4-6 ft below the ground level is to be constructed within mining site for stacking of Over Burden (OB), to ensure that no debris etc. overflows to adjoining land/agricultural field.
2. LOI ought to be renewed as the validity has expired.
3. A settling Tank is to be constructed, at a suitable site within the mining area for collection of debris, sediment, silt, fragmented stones etc carried by surface water channelized through the Curtain drain. The deposited debris, spoils etc are to be removed/cleared, both from the tank and drain as and when required. Overflowing water that flows downhill shall be dispersed but precautions to be taken that spoils etc. generated from mining are not carried along.
4. Garland drains is to be constructed along the periphery of the mining lease boundary to capture the storm water run-off from the mining area, all drains will link to a settling tank with compartments to check and arrest siltation in the mine water prior to discharge.
5. 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.
6. 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.
7. 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.



8. To increase the allocation for plantation and maintenance to a minimum of Rs. 1 lakh per annum and increase the number of saplings to be planted. The Nurseries for the approved species as given in the EIA report should be created before commencement of the mining plan and the types of species should be according to the Forest Department Plantation Norms (Amended in 31.03.2023) & plantation should be done in the 1st and 2nd year of the planed period.
9. CER should be included in the capital cost and it should be increased to a minimum of Rs 1 lakh annually.
10. 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.
11. GPS coordinates of each pillar should be carved/painted clearly on the pillars with red colour.
12. 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.
13. Fencing of the boundary of site with minimum two strands of barbed wire or ordinary split bamboo fencing is to be erected all around the periphery of the approved mining area.
14. Storing and collection of water through rainwater harvesting for dust sprinkling and recharging of the aquifers.



IV. Proposal No.SIA/ML/MIN/451546/2023 submitted by Smti. Lumlang Shylla

The Project Proponent, **Smt.Lumlang Shylla** submitted online application vide proposal No. SIA/ML/MIN/451546/2023 for re-appraisal and grant of fresh Environmental Clearance for Barapathar Stone Quarry for mining of boulder stone for an area of 2.48 hectares. The proposal is for mining of boulder stone to be used for construction of buildings & making/dressing of roads. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The mining lease area is located at Barapathar, Raid Marwet, Ri-Bhoi District, Meghalaya and toposheet No. G46H16 within the following GPS Coordinates

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	26° 05' .139''N	91° 46' .805''E
2	26° 05' .229''N	91° 46' .865''E
3	25° 05' .101''N	91° 46' .912''E
4	25° 05' .206''N	91° 46' .993''E

The proposed land belongs to the project proponent vide Deed of Declaration which was executed on the 27thApril 2006 at Nongpoh and certified by the Sub-Registrar, Nongpoh, Ri Bhoi District, Meghalaya.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, Khasi Hills (T) Division, Shillong vide letter No.KH/NOC/Stone Quarry/2014-15/6447, dated Shillong, the 25thMarch, 2015 with a corrigendum of the Non-Forest Land Certificate in respect of the co-ordinates from the Divisional Forest Officer, East Khasi Hills& Ri Bhoi (T) Division, Shillong vide letter No.KH/1/235/Pt/5517, dated Shillong, the 23rdFebruary, 2021 and letter of Intent by the Divisional Forest Officer, Khasi Hills (T) Division, Shillong vide letter No.KH/8/ML/Stone/69/1061, dated Shillong, the 2nd May, 2017.

The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Director of Mineral Resources, Meghalaya vide letter No.DMR/MM/54/2017/1488 dated Shillong, the 17thOctober 2017. The Mining Plan has been prepared to extract limestone at the rate of 114492 TPA with a project cost of Rs.56.00lakhs and the operations will be semi-mechanized, opencast method of mining.



As per the approved revised mining plan, the Barapathar Stone Quarry has a revised Proved Mineral reserves (111) of 3,49,790 cu.m. The revised annual target of production is 35,715 cu.m of boulder stone. Taking 300 days as the average working days per annum, the daily production comes to around 119 cu.m per day. Hence, the anticipated life of the mine will be for another 9.79 years, say 10 years.

The project was already awarded Environmental Clearance by the District Level Environment Impact Assessment Authority, Ri Bhoi District, Meghalaya vide letter No.DCRB (LR) 5/2017/Rev/827 dated Nongpoh the 8th September 2017 and also obtained a Challan Utilisation statement from the Divisional Forest Officer, East Khasi Hills & Ri-Bhoi (T) Division, Shillong vide letter No.KH/8/LS/147/3778 dated Shillong, the 17th October , 2023.

Recommendation

After due screening and examination of all the documents submitted by the Project Proponent and deliberation as well as observation using kml file through google earth, the committee unanimously recommended for ADS (As per verification from submitted kml file as well as the pillar co-ordinates given in the Non Forest Land certificate which was confirmed by the Divisional Forest Officer, Khasi Hills (T) Division, Shillong vide letter No.KH/NOC/Stone Quarry/2014-15/6512 dated Shillong, the 31st March, 2015, **it was observed that the area of the proposed mining site for re-appraisal does not correspond to the original area as given in the approved mining plan which is 2.48 hectares.** Hence, Project Proponent shall obtain written justification from concerned department(s) for increase in area in the present proposal.



V. Proposal No.SIA/ML/MIN/449748/2023 submitted by Shri. Wesly Doloi

The Project Proponent, **Shri.WeslyDoloi** submitted online application vide proposal No. SIA/ML/MIN/449748/2023 for re-appraisal and grant of fresh Environmental Clearance for Ampynsemgura Boulder Stone Mining Project for mining of boulder stone for an area of 2.00 hectares. The proposal is for mining of boulder stone to be used for construction of buildings & making/dressing of roads. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The mining lease area is located at Halem Gonapati, In Mouza-Gonapati, Jirang, Ri-Bhoi District, Meghalaya and toposheet No. G46H16 within the following GPS Coordinates

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 59' 26.72''N	91° 33' 29.26''E
2	25° 59' 25.94''N	91° 33' 33.51''E
3	25° 59' 34.03''N	91° 33' 36.61''E
4	25° 59' 34.60''N	91° 33' 31.70''E
5	25° 59' 32.16''N	91° 33' 30.50''E
6	25° 59' 31.96''N	91° 33' 31.93''E

The proposed land belongs to the project proponent vide Deed of Declaration which was executed on the 16th June 2004 and certified by the Sub-Registrar, Nongpoh, Meghalaya.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, Khasi Hills (T) Division, Shillong vide letter No.KH/NOC/Stone Quarry/2104-15, dated Shillong, the 25th March, 2015 with a corrigendum of the Non-Forest Land Certificate in respect of the co-ordinates confirmed by the Divisional Forest Officer, East Khasi Hills & Ri Bhoi (T) Division, Shillong vide letter No.KH/1/235/Pt/5517, dated Shillong, the 23rd February 2021 and letter of Intent which was confirmed by the Divisional Forest Officer, Khasi Hills (T) Division, Shillong vide letter No.KH/8/ML/Stone/69/1061 dated Shillong, the 2nd May 2017 .

The project proponent obtained a cluster certificate from the Mining Engineer, Director of Mineral Resources, Meghalaya vide letter No.DMR/MM/55/2017/31 dated Shillong, the 11th September 2023 which states that there are no approved mining plan lying within 500 metres from the applied mining lease area Hence the applied mining area does not fall under cluster category.



The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Director of Mineral Resources, Meghalaya vide letter No.DMR/MM/ML/54/2017/1488 dated Shillong, the 17th November 2023. The Mining Plan has been prepared to extract boulder stone at the rate of 114492 TPA with a project cost of Rs.56.00 lakhs and the operations will be semi-mechanized, opencast method of mining.

As per the approved mining plan, the mineable reserves of boulder stone would be 2289775 Tonnes. Average annual production per year would be 114489 tonnes. This average annual production may be different from annual production of first five years of plan period. In first five years of plan period 572424 Tonnes of boulder stone will be mined out and the balance reserve of 1717351 Tonnes will be exhausted in further 15 years. Therefore, the life of mine will be 20 years (5 years plan period + 15 years conceptual period).

The project was already awarded Environmental Clearance by the District Level Environment Impact Assessment Authority, Ri Bhoi District, Meghalaya vide letter No.DCRB (LR) 39/2017/Rev/468/2183 dated Nongpoh the 7th December 2017 and also obtained a Challan Utilisation statement from the Divisional Forest Officer, East Khasi Hills & Ri-Bhoi (T) Division, Shillong vide letter No.KH/8/WD/158/3173 dated Shillong, the 5th September, 2023.

Recommendation

After due screening and examination of all the documents submitted by the Project Proponent and deliberation as well as observation using kml file through google earth, the committee unanimously recommended for further **Re-Consideration**, in view of the pending clarification on termination order of the earlier mining lease granted to Shri. Wesley Doloi at Halem Gonapati, Jirang, Ri Bhoi District for violation of Cluster Norms issued by the Government of Meghalaya, Forests and Environment Department vide order No. FOR/CC/26/2019/Pt-IV/1335 dated Shillong, the 18th January 2023. It is also pertinent to point out that the project proponent has obtained a cluster certificate recently from the Mining Engineer, Director of Mineral Resources, Meghalaya vide letter No.DMR/MM/55/2017/31 dated Shillong, the 11th September 2023 which states that there are no approved mining plan lying within 500 metres from the applied mining lease area. Hence the applied mining area does not fall under cluster category.



TERM OF REFERENCE

I. Proposal No.SIA/ML/MIN/443712/2023 submitted by Shri. Jengna Marak

The Project Proponent, **Shri. Jengna Marak** submitted online application vide proposal No. SIA/ML/MIN/443712/2023 for re-appraisal and grant of fresh Terms of Reference for Manggapara Stone Mine for mining of boulder stone for an area of 1.28 hectares. The proposal is for mining of boulder stone use for construction purposes; hence the project fall under Schedule 1(a) of category B1 of EIA Notification 2006. The area is located at located at Manggapara, P.O Zikabari, P.S Tura, West Garo Hills District, Meghalaya and toposheet No. G46M2 with the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 37' 29.40"N	90° 00' 39.02"E
2	25° 37' 29.16"N	90° 00' 43.80"E
3	25° 37' 31.92"N	90° 00' 43.84"E
4	25° 37' 31.89"N	90° 00' 39.04"E

The proposed land is on lease for a period of 15 years vide Deed of Lease which was executed on the 22nd May 2017 and certified by the District Registrar, Tura, Meghalaya.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, West & South-West Garo Hills (T) Division, Tura vide letter No.B/16/VII/NOC/MMMCR/1465-471 dated Tura, the 20th June, 2017 and Letter of Intent vide letter No.B/16/VII/2294, dated Tura, the 21st August, 2017 respectively.

The project proponent obtained a cluster certificate from the Divisional Mining Officer, East Garo Hills, Williamnagar vide letter No.DMO-W/MP/15/2023/22 dated Williamnagar, the 19th May 2023 which states that there are three 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 total four mines is summed up to 5.3 hectares.

The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Divisional Mining Officer, East Garo Hills District, Williamnagar vide letter No.DMO-W/MP/84/2022/57 dated Williamnagar, the 2nd August 2023. The Mining Plan has been prepared to extract boulder stone at the rate of 79464 TPA with a project cost of Rs.21.00 lakhs and the operations will be open cast, mechanized method of mining.



As per the approved mining plan, the estimated life of the mine is 9.99 years or say 10 years.

The project was already awarded Environmental Clearance by the District Environment Impact Assessment Authority, Meghalaya vide letter No.WGH/DEIAA/EC/2017/2 dated Tura the 20th November 2017 and also obtained a detail statement of royalty from the Divisional Forest Officer, West & South-West Garo Hills (T) Division, Tura vide letter No.B/16/VII/1857 dated Tura, the 22nd May, 2023.

Recommendation

After due screening and examination of all the documents submitted by the Project Proponent and deliberation as well as observation using kml file through google earth, the committee unanimously recommended for grant of Terms of Reference with the following conditions.

1. Site photographs together with photographs and other related details of site visits by resource persons of NABET accredited consultant of project proponent, with their names and profession/designation, together with date(s) of visit, date(s) of data collection including names of instrument/machine actually used in the field, during preparation of EIA report, is to be clearly highlighted in the EIA/EMP report.
2. LOI ought to be renewed as the validity has expired.
3. Boundary pillars with the height not less than 2.5 feet above the ground level and 1.5 feet below ground and minimum 8 inches on all face of pillar should be erected.
4. GPS coordinates of each pillar should be carved/painted clearly on the pillars with red colour.
5. Plagiarism check certificate for EIA/EMP report has to be furnished.
6. Source of data taken from external sources is to be mentioned clearly.



II. Proposal No.SIA/ML/MIN/440937/2023 submitted by Shri. Pynkhrawlang Kharkongor

The Project Proponent, Shri.Pynkhrawlang Kharkongor submitted online application vide proposal No. SIA/ML/MIN/440937/2023 for Terms of Reference for mining of boulder stone for an area of 3.0hectares. The proposal is for mining of boulder stone to be used for construction of buildings & making/dressing of roads. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The mining lease area is located at Madan Thangsning, Raid Nongbri, Khyrim Syiemship, East Khasi Hills District, Meghalaya and toposheet No. G46N14 within the following GPS Coordinates

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 29' 32.92"N	91° 55' 40.33"E
2	25° 29' 34.83"N	91° 55' 38.67"E
3	25° 29' 37.94"N	91° 55' 44.90"E
4	25° 29' 33.53"N	91° 55' 48.14"E
5	25° 29' 32.66"N	91° 55' 41.86"E

The proposed land is on lease for a period of 20 years vide Deed of Lease which was executed on the 7th November 2017 and certified by the Public Notary, East Khasi Hills District, Meghalaya.

The applied area is a Non-Forest Land which was confirmed by the Divisional Forest Officer, Khasi Hills (T) Division, Shillong vide letter No.KH/9/NOC/stone/41/Pt.III/10,062 dated Shillong, the 21st December, 2017 and Letter of Intent which was confirmed by the Divisional Forest Officer, East Khasi Hills & Ri Bhoi (T) Division, Shillong vide letter No.KH/8/ML/Stone/69/4107, dated Shillong, the 6th December, 2022.

The project proponent obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya vide letter No.DMR/MM/180/2023/06 dated Shillong, the 12th April 2023 which states that there are two (2) approved mining plan lying within 500 metres from the applied mining lease area and the total area of three mines is summed up to 7.9 hectares. Hence the applied mining area falls under cluster category.



The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Mining Engineer, Directorate of Mineral Resources, Meghalaya vide letter No.DMR/MM/180/2023/02 dated Shillong, the 3rd March 2023. The Mining Plan has been prepared to extract boulder stone at the rate of 2,00,000 MT/annum with a project cost of Rs.24.50 lakhs and the operations will be open cast, mechanized method of mining.

As per the approved mining plan, the mineable reserves of boulder stone are of the order of 10,02,000 MT. The production in the period of this mining plan will be around 10,00,000 MT in 5 years. Therefore, the balance reserves will be (10,02,000 – 10,00,000) or 2000 MT. If the yearly production target is 20,00,000 MT, the balance reserve will be sufficient for (2000 /200000) or 0.01 years. Thus, the total life of the mine is 5+0.1=5.01 or say 5 years.

Recommendation

After due screening and examination of all the documents submitted by the Project Proponent and deliberation as well as observation using kml file through google earth, the committee unanimously recommended for grant of Terms of Reference with the following conditions.

1. As depicted from google earth the road is less than 200 metres from the proposed mining site. As per the Amended Notification of MMMCR 2016, dated 21.09.2020, Amendment Rule 4.1.(b): It is stated that no mining lease and quarry permit shall be granted in respect of any land within a distance of 100 m from any village, water source, bridges, dams, reservoirs and from the edge of the State Highways and any other roads when blasting is not involved and 200 metres restriction when blasting is involved. Hence, Project Proponent is to obtain written justification stated that blasting will not involve in mining site and submit the same before application of final Environmental Clearance.
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. LOI ought to be renewed as the validity has expired.
4. Blasting is not allowed in the proposed mining site
5. 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.



6. GPS coordinates of each pillar should be carved/painted clearly on the pillars with red colour.
7. Plagiarism check certificate for EIA/EMP report has to be furnished.
8. Source of data taken from external sources is to be mentioned clearly.



III. Proposal No.SIA/ML/MIN/424419/2023 submitted by Shri. Jengna Marak

The Project Proponent, **Shri. Jengna Marak** submitted online application vide proposal No. SIA/ML/MIN/424419/2023 for grant of fresh Terms of Reference for Wakrugre Stone Mine for mining of boulder stone for an area of 7.13 hectares. The proposal is for mining of boulder stone use for construction purposes; hence the project falls under Schedule 1(a) of category B1 of EIA Notification 2006. The area is located at Wakrugre, P.O Zikabari, P.S Tura, West Garo Hills District, Meghalaya and toposheet No. G46M2 with the following GPS Coordinates:

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

The proposed land belongs to the project proponent vide Gift deed of Land which was executed on the 27th August 2020 and certified by the District Registrar, Tura, Meghalaya.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, West & South-West Garo Hills (T) Division, Tura vide letter No.B/16/VII/NOC/MMMCR/189-91 dated Tura, the 24th January, 2022 and Letter of Intent which was confirmed by the Principal Chief conservator of Forests & HoFF, Meghalaya vide letter No.MFG/39/42/LOI/MMMCR/2016/7652 dated Shillong, the 30th September 2021.

The project proponent obtained a cluster certificate from the Divisional Mining Officer, East Garo Hills, Williamnagar vide letter No.DMO-W/MP/15/2019/2656 dated Williamnagar, the 22nd March 2023 which states that there is approved mining plan lying within 500 metres from

the applied mining lease area. Hence the applied mining area falls under cluster category since the proposed area summed up to 7.13 hectares.

The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Divisional Mining Officer, East Garo Hills District, Williamnagar vide letter No.DMO-W/MP/84/2022/73 dated Williamnagar, the 11th September 2023. The Mining Plan has been prepared to extract boulder stone at the rate of 186010 TPA with a project cost of Rs.21.00lakhs and the operations will be open cast, mechanized method of mining.

As per the approved mining plan, the mineral reserves have been estimated to the tune of 3658176 Tonnes. Taking the average production target of 186010 tonnes per year and life of mine will be $3658176 \text{ tonnes} / 186010 \text{ tonnes} = 20 \text{ years}$.

Recommendation

After due screening and examination of all the documents submitted by the Project Proponent and deliberation as well as observation using kml file through google earth, the committee unanimously recommended for grant of Terms of Reference with the following conditions.

1. Site photographs together with photographs and other related details of site visits by resource persons of NABET accredited consultant of project proponent, with their names and profession/designation, together with date(s) of visit, date(s) of data collection including names of instrument/machine actually used in the field, during preparation of EIA report, is to be clearly highlighted in the EIA/EMP report.
2. Boundary pillars with the height not less than 2.5 feet above the ground level and 1.5 feet below ground and minimum 8 inches on all face of pillar should be erected.
3. GPS coordinates of each pillar should be carved/painted clearly on the pillars with red colour.
4. Plagiarism check certificate for EIA/EMP report has to be furnished.
5. Source of data taken from external sources is to be mentioned clearly.



IV. Proposal No.SIA/ML/MIN/452518/2023 submitted by Amrit Cement Limited

The Project Proponent, **Amrit Cement Limited** submitted online application for grant of fresh Term of Reference vide proposal No:SIA/ML/MIN/452518/2023 for Mulieh Umlong Limestone Mine for mining of limestone for an area of 7.33 hectares. The proposal is for mining of limestone which is meant for the captive consumption in the cement plant. The project falls under Schedule I (a) of category B1 of EIA Notification 2006. The mining lease area is located at Umlong Village, Khliehriat Taluka, East Jaintia Hills District, Meghalaya and toposheet No.83C/8 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 10' 33.1330" N	92°20' 41.4659"E
2	25° 10' 39.0294" N	92°20' 41.4659"E
3	25° 10' 33.8749" N	92°20' 41.4659"E
4	25° 10' 33.1506" N	92°20' 41.4659"E
5	25° 10' 31.0577" N	92°20' 41.4659"E
6	25° 10' 32.4951" N	92°20' 41.4659"E
7	25° 10' 37.3061" N	92°20' 41.4659"E
8	25° 10' 38.9028" N	92°20' 41.4659"E

The proposed mining land belongs to Shri.Bhalang Sing Phanbuh who submitted an application for authorizing grant of a Mining Lease for Limestone an area of 7.33 hectares of land at Mulieh, Umlong Village, Elaka Rymbai, East Jaintia Hills District, Meghalaya in favour of Amrit Cement Limited, Village umlaper, ElakaRymbai, Dist.-East Jaintia Hills, Meghalaya (Lessee) under the provisions Chapter IX of the Minerals (Other than Atomic and Hydro Carbon Energy Minerals) Concession Rules, 2016.

The applied area is a Non-Forest Land which was confirmed by the PCCF, Meghalaya vide Memo no. MFG 16/50/4957-81 dated 19th July, 2013 Letter of Intent (LoI) for grant of Mining Lease (ML) was also issued to Amrit Cement Limited, vide State Government letter No. MG.58/2022/46 dated 11th January 2023 under Chapter IX of the Minerals (Other than Atomic and Hydro Carbon Energy Minerals) Concession Rules, 2016.



The project proponent submitted Mining Plan with Progressive Mine Closure Plan approved by the Deputy controller of Mines (In charge), Ministry of Mines, Indian Bureau of Mines, O/o the Regional Controller of Mines, Guwahati vide letter No. MCDR-MPCP0CaF1/6/2023-GUH-IBM_RO_GUH dated 20th October 2023. The Mining Plan has been prepared to extract lime stone at the rate of 0.5 MTPA TPA with a project cost of Rs.150.00 lakhs and the operations will be open cast, semi-mechanized method of mining.


As per the approved mining plan, the anticipated life of mine is 6 years.

Recommendation

After due screening and examination of all the documents submitted by the Project Proponent and deliberation as well as observation using kml file through google earth, the committee unanimously recommended for grant of Terms of Reference with the following conditions.

1. Site photographs together with photographs and other related details of site visits by resource persons of NABET accredited consultant of project proponent, with their names and profession/designation, together with date(s) of visit, date(s) of data collection including names of instrument/machine actually used in the field, during preparation of EIA report, is to be clearly highlighted in the EIA/EMP report.
2. Boundary pillars with the height not less than 2.5 feet above the ground level and 1.5 feet below ground and minimum 8 inches on all face of pillar should be erected.
3. GPS coordinates of each pillar should be carved/painted clearly on the pillars with red colour.
4. Plagiarism check certificate for EIA/EMP report has to be furnished.
5. Source of data taken from external sources is to be mentioned clearly.

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


Chairman
State Expert Appraisal Committee
Meghalaya, Shillong.