

STATE EXPERT APPRAISAL COMMITTEE (SEAC)

:: MEGHALAYA ::

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

**MINUTES OF 52nd MEETING OF THE STATE EXPERT APPRAISAL COMMITTEE, MEGHALAYA
SHILLONG HELD ON 25th November 2021, FOR ENVIRONMENTAL APPRAISAL OF NON-
COAL MINING PROJECTS**

Members of the Committee present:

Sl.No	Name	Designation	Signature
1	Shri. Nababrata Bhattacharjee	Chairman SEAC	-Sd-
2	Prof. Donkumar Syiem	Member	-Sd-
3	Shri Toiler H.S. Bonney (Rtd) IFS	Member	-Sd-
4	Shri. Puhnan M. Sangma	Member	-Sd-
5	Shri. Phngain Singh Giri Lyngdoh	Member	-Sd-
6	Shri. Shekhar K. Sangma	Member	-Sd-
7	Shri. F.S Wann, MFS Deputy Conservator of Forest (SF & Env.)	Member Secretary SEAC	-Sd-

The 52nd meeting of State Expert Appraisal Committee (SEAC), Meghalaya, Shillong, held on 25th November 2021 from 1:00 P.M. on ward in the Chamber of the Chairman, State Expert Appraisal Committee (SEAC), Meghalaya, Lower Lachumiere, Shillong – 793001, Shillong through blended mode method i.e. online and offline. At the outset the Chairman Shri. Nababrata Bhattacharjee, welcomed all the members of the Committee present and called the meeting to order. He requested the Member Secretary to initiate the discussion as per the agenda circulated vide letter No.ML/SEAC/Meeting/Vol-III/121/2020/37 dated the 24th November 2021, accordingly. All proposed mining areas are cross checked through google earth.

1. Confirmation of the minutes of the 51st Meeting held on 5th November 2021.

The minutes were confirmed.

2. Action taken report as per the decision taken in the 51st Meeting.

As per the decision taken in the 51st Meeting of the State Expert Appraisal Committee held on 5th November 2021, (2) Two project proposals were recommended for Environmental Clearance, (2) Two project proposals were recommended for grant Term of Reference, (1) One project proposal were recommended for reconsideration and (3) Three project proposals were recommended for ADS to the State Environment Impact Assessment Authority, Meghalaya.



3. ENVIRONMENTAL CLEARANCE

I. Proposal SIA/ML/MIN/214381/2021 submitted by Smt. Ronilla R. Marak (M/S Asinagre Brick Earth Quarry)

The Project Proponent, Smt. Ronilla R. Marak submitted online application vide proposal No. SIA/ML/MIN/214381/2021 for quarry permit for mining of brick earth for an area of 0.688 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 Asinagre, P.O. Garobadha, West Garo Hills District, Meghalaya and toposheet Survey of India No. 78K/2 within the following GPS Coordinates

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25°34'38.30"N	90°02'14.50" E
2	25°34'40.15"N	90°02'14.56" E
3	25°34'40.20"N	90°02'10.52" E
4	25°34'38.00"N	90°02'10.63" E

The proposed mining area belongs to the project proponent vide Deed of Declaration executed on the 3rd December 2018, certified by Sub-Registrar, South West Garo Hills, Ampati.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, West & South West Garo Hills (T) Division, Tura vide letter No. B/16/VII/NOC/MMMCR/2587-89, dated Tura, the 18th July 2019 and letter of Intent vide letter No. B/16/VII/2590 dated Tura, the 18th July 2019. 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-22/2021-22/210 dated Ampati, the 19th August 2021.

The project proponent obtained a cluster certificate from the Divisional Mining Officer, East Garo Hills, Williamnagar vide letter No. DMO-W/MP/15/2019/177 dated Williamnagar, the 27th February, 2020 which states that there is no mining plan lying within 500 metres from the applied mining lease area. The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Divisional Mining Officer, East Garo Hills



District, Meghalaya, vide letter No.DMO-W/MP/45/2019/148, dated Williamnagar, the 16th January 2020. The Mining Plan has been prepared to extract brick earth at an average annual production of 2000 TPA with a project cost of Rs.5.75 lakh and the operations will be open cast, semi-mechanized method of mining.

The mineable reserve is of the order of 44,790 tons. The production period of this mining plan will be around 10,000 tons in 5 years. Balance reserves are $44,790 - 10,000 = 34,790$ tons. If the production target is 2000 tons, the balance reserves will be sufficient for $34,790 / 2000 = 17.39$ years. Thus, total life of mine is $5 + 17.39$ years or say 23 years.

Recommendation:

After due screening and examination of all the documents submitted by the Project Proponent and site cross checking and deliberation by using kml file through google earth, the committee unanimously recommended for grant of Environment Clearance with the following conditions:

1. LOI ought to be renewed as the validity has been expired.
2. Curtain drains to be constructed to intercept the surface water runoff, if any, including debris etc. overflowing to the adjoining land/agricultural field etc. during the mining operation; Monitoring Agency is to take necessary action as per relevant section(s) of Water (Prevention & Control of Pollution) Act, 1974.
3. GPS coordinates of each pillars should be carved/painted clearly on the pillars with Red colour.
4. 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 SIA/ML/MIN/234473/2021 submitted by Shri. Nilkamal D. Sangma (M/S Kathalbari Brick Field)

The Project Proponent, Shri. Nilkamal D. Sangma submitted online application vide proposal No.SIA/ML/MIN/234473/2021 for quarry permit for mining of brick earth for an area of 0.64 hectares. The proposal for mining of brick earth is for making bricks for construction purposes. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The mining lease area is located at Kathalbari, P.O. Tikrikilla, West Garo Hills District, Meghalaya and toposheet Survey of India No.78K/1 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25°56'58.00"N	90°11'33.00" E
2	25°56'57.20"N	90°11'33.00" E
3	25°56'57.10"N	90°11'33.50" E
4	25°56'56.80"N	90°11'33.40" E
5	25°56'56.80"N	90°11'33.00" E
6	25°56'55.50"N	90°11'32.90" E
7	25°56'55.30"N	90°11'34.40" E
8	25°56'54.70"N	90°11'34.30" E
9	25°56'54.50"N	90°11'35.40" E
10	25°56'57.80"N	90°11'35.70" E

The proposed mining area is on lease for a period of 20 years vide Deed of Lease executed on the 31st July 2020 at Tura, certified by the District Registrar, Tura.

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/3846-848 dated Tura, the 24th September 2020 and letter of Intent vide letter No.B/16/VII/4725 dated Tura, the 27th November 2020. The Project Proponent also obtained the 'No Objection Certificate' issued by the District Agriculture Officer, West Garo Hills, Tura vide letter No.AGRI/WGH/NOC/2020-21/4821 dated Tura, the 8th October 2020.

The project proponent obtained a cluster certificate from the Divisional Mining Officer, East Garo Hills, Williamnagar vide letter No.DMO-W/MP/15/2019/140 dated Williamnagar, the 30th September, 2021 which states that there is no mining plan lying within 500 metres from the applied mining lease area. The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Divisional Mining Officer, East Garo Hills District, Meghalaya, vide letter No.DMO-W/MP/59/2020/179, dated Williamnagar, the 5th March 2021. The Mining Plan has been prepared to extract brick earth at an average annual

production of 4680 TPA with a project cost of Rs.10.00 lakhs and the operations will be open cast, semi-mechanized method of mining

As per the Mining Plan, the mineable reserves would be 22349 Tonnes/ 5730769 Nos. of bricks. But the permit holder has obtained the quarry permit only for 5 years with the production capacity of 12 lakh bricks or 4680 Tonnes of brick earth per year and thus total 22348 Tonnes of Brick Earth will be mined out during mining period of 5 years and mining loss of brick soil would be $(22349-22348)=1$ Tonnes. So, the life of the mine will be 5 years.

Recommendation:

After due screening and examination of all the documents submitted by the Project Proponent and site cross checking and deliberation by using kml file through google earth, the committee unanimously recommended for grant of Environment Clearance with the following conditions:

1. LOI ought to be renewed as the validity has been expired.
2. Curtain drains to be constructed to intercept the surface water runoff, if any, including debris etc. overflowing to the adjoining land/agricultural field etc. during the mining operation; Monitoring Agency is to take necessary action as per relevant section(s) of Water (Prevention & Control of Pollution) Act, 1974.
3. GPS coordinates of each pillars should be carved/painted clearly on the pillars with Red colour.
4. 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.

III. Proposal No.SIA/ML/MIN/238101/2021 submitted by Shri. Eddy Stone Shylla.

The Project Proponent Shri. Eddy Stone Shylla submitted online application for Environmental Clearance vide proposal No.SIA/ML/MIN/238101/2021 for Pohnongrim Stone Mine for an area of 3.10 hectares. The proposal is for mining of boulderstone use for construction purposes. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The mining lease area is located at Pohnongrim, Madur Village, West Jaintia Hills District, Meghalaya and toposheet Survey of India No.83C/3 within the following GPS Coordinates:



Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 29' 23.2"N	92° 08' 01.7"E
2	25° 29' 24.2"N	92° 08' 01.6"E
3	25° 29' 24.8"N	92° 07' 59.5"E
4	25° 29' 26.1"N	92° 07' 57.5"E
5	25° 29' 25.9"N	92° 07' 55.3"E
6	25° 29' 25.4"N	92° 07' 52.0"E
7	25° 29' 25.5"N	92° 07' 47.8"E
8	25° 29' 23.2"N	92° 07' 49.3"E
9	25° 29' 23.1"N	92° 07' 45.8"E
10	25° 29' 21.6 "N	92° 07' 47.2"E
11	25° 29' 21.9"N	92° 07' 49.5"E
12	25° 29' 21.8"N	92° 07' 52.7"E
13	25° 29' 23.2"N	92° 07' 53.2"E
14	25° 29' 23.4"N	92° 07' 57.3"E

The proposed land for mining belongs to the project proponent as per the land holding certificate issued by the Revenue Officer, Jaintia Hills Autonomous District Council, Jowai vide letter MEMO No. JHADC/REV/LHC/330/92 dated Jowai, the 16th July, 2021.

The applied area is a Non Forest Land which was confirmed by the Conservator of Forests (T), Khasi & Jaintia Hills Meghalaya, Shillong vide letter No.MFG.39/NLFC/Mining/MMMCR/JH/Pt.I/6473, dated Shillong, the 14th September 2021 and letter of Intent by Divisional Forest Officer, Jaintia Hills Territorial Division, Jowai vide letter No.JH/E.S/2021-22/B.S/M.L/B/1027 dated Jowai, the 27th September 2021.

The project proponent obtained a cluster certificate from the Divisional Mining Officer, Directorate of Mineral Resources, Meghalaya, Jowai vide letter No.DMO-J/50/MM/MiningPlan/2021-22/151 dated Jowai, the 8th November, 2021 which states that there is no approved Mining Plan is located within a distance of 500 metres from the periphery of the approved mining plan. The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Divisional Mining Officer, Director of

Mineral Resources, Meghalaya, Jowai vide letter No.DMO-J/50/MM/Mining Plan/2021-22/147, dated Jowai, the 2nd November 2021. The Mining Plan has been prepared to extract boulder stone at an average annual production of 215636 TPA with a project cost of Rs.24.50 lakhs and the operations will be open cast, semi-mechanized method of mining.

As per the Mining Plan, the mineable reserves would be 2156364 Tonnes with an average annual production of 215636 (2156364/10=215636) Tonnes. The average annual production of boulder stone may be different from annual production of five years plan period. Thus 1077320 Tonnes of the total mineable reserve will be worked out in first 5 years and the rest quantity of mineable reserve i.e.(2156364-1077320)= 1079044 Tonnes would be exhausted in further 5 years @ 215809 Tonnes per annum. Therefore, the life of the mine will be 10 years (five years in plan period + 5 years in conceptual period).

Recommendation

After due screening and examination of all the documents submitted by the Project Proponent and deliberation by using kml file through google earth, the committee unanimously subjected for confirmation. (As verification shown in google earth the road and the settlement is less than 200 m from the mining site. As per the Amended Notification of MMMCR 2016 dated 21.09.2020 Amendment Rule 4(c): within a distance of 200 m from any village, water source, Bridges, Dams, and Reservoirs and from the edge of the State Highways and any other roads when blasting is not involved).

As per the GPS Map of D.F.O furnished with the relevant documents, all norms like distance from the road, and the distance from the settlements are beyond the prescribed limits of MMMCR. Hence based on the data furnished, the project is recommended for Environmental Clearance.

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

Environmental Clearance for Lurksiar-Tembah Limestone Mine of for an area of 1.53 hectares located Lurksiar Tembah, Nongjri Sirdarship, East Khasi Hills District, Meghalaya. ADS (Additional Detail Sought) asking to provide a clarification/rectification of the road from the mining site.

Recommendation

After due screening and examination of all the documents, the ADS and the confirmation letter declared that blasting will not be carried out in the lease area to ensure road safety



submitted by the Project Proponent, the committee unanimously recommended for grant to Environmental Clearance with the following conditions:

1. LOI ought to be renewed as the validity has been expired.
2. Blasting will not be allowed in the mining site.
3. A settling Tank is to be constructed, at a suitable site within the mining area for collection of debris, sediment, silt, fragmented stones etc carried by surface water channelized through the Curtain drain. The deposited debris, spoils etc are to be removed/cleared, both from the tank and drain as and when required. Overflowing water that flows downhill shall be dispersed but precautions to be taken that spoils etc. generated from mining are not carried along.
4. Curtain Drain is to be constructed properly to intercept the surface water from flowing into the mining area and water flowing out of the mine channelized to the Settling tank.
5. If any debris etc. overflows to adjoining land/agricultural field etc. during the mining operation, Monitoring Agency is to take necessary action as per relevant section(s) of Water (Prevention & Control of Pollution) Act, 1974.
6. In annual EMP budget under GREEN BELT, creation of plantations including nursery cost, fencing etc the notified norms of Forest and Environment Department, Govt of Meghalaya is to be followed strictly, including financial cost. Budget under said head stands revised accordingly.
7. To increase the allocation for plantation and maintenance to a minimum of Rs. 1 lakh per annum and double the number of plants to be planted.
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. GIS coordinates of each pillars should be carved/painted clearly on the pillars with Red colour.
11. A board contain the name of Project, date of issue of EC by SEIAA and CTO & CTE by MSPCB should be install in the entrance to the mining site.



1. TERM OF REFERENCE

I. Proposal No. SIA/ML/MIN/69148/2021 submitted by Shri. Kaldok Ch.Sangma.

The Project Proponent, Shri Kaldok Ch.Sangma submitted online application for Term of Reference vide proposal No:SIA/ML/MIN/69148/2021 for Term of Reference for Dura Bija Bisik Stone Mine 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 Dura Bija Bisik, P.O. Dhanua, P.S. Garobadha, Selsella, West Garo Hills District, Meghalaya and toposheet Survey of India No.78G/14 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 39'18.40"N	89° 57'32.80"E
2	25° 39'18.50"N	89° 57'35.40"E
3	25° 39'22.80"N	89° 57'36.40"E
4	25° 39'25.00"N	89° 57'33.50"E
5	25° 39'22.60"N	89° 57'30.90"E

The proposed mining area is on lease for a period of 20 years vide Deed of Lease made on the 8th August 2019 at Tura certified by District Registrar, Tura, Meghalaya.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, West & South-West Territorial Division, Tura vide letter No.B/16/VII/NOC/MMMCR/3872-74 dated Tura, the 28th September, 2020 and Letter of Intent vide letter No.B/16/VII/4860, dated Tura, the 7th December, 2020 respectively.

The project proponent obtained a cluster certificate from the Division Mining Officer, East Garo Hills, Williamnagar vide letter No.DMO-W/MP/15/2019/28 dated Williamnagar, the 2nd July 2021 which states that there are six (6) 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 seven mines is summed up to 17.28 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/61/2020/335 dated Williamnagar, the 25th March 2021. The Mining Plan has been prepared to extract lime stone at the rate of 132124 TPA with a project cost of Rs.83.44 lakhs and the operations will be open cast, mechanized method of mining. As stated in the mining plan, the anticipated life of the mine is 5.14 years.

Recommendation:

After due screening and examination of all the documents submitted by the Project Proponent and site cross checking and deliberation by using kml file through google earth, the committee unanimously recommended for grant Term of Reference with the following conditions:

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

The meeting ended with a vote of thanks to the Chair


Chairman

State Expert Appraisal Committee
Meghalaya Shillong