

STATE EXPERT APPRAISAL COMMITTEE (SEAC)

::MEGHALAYA::

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

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MINUTES OF 73rd MEETING OF THE STATE EXPERT APPRAISAL COMMITTEE, MEGHALAYA SHILLONG HELD ON 18th and 19th JANUARY 2024, FOR ENVIRONMENTAL APPRAISAL OF NON-COAL MINING PROJECTS

Members of the Committee present:

Sl.No	Name	Designation	Signature
1	Shri. NababrataBhattacharjee	Chairman SEAC	-Sd-
2	Shri. Millanburg R. Sangma	Member	
3	Dr. Highland Kayang	Member	-Sd-
4	Shri. Gideon LamborlangKharkongor	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 H.Lato, IFS	Member Secretary SEAC	-Sd-

The 73rd meeting of State Expert Appraisal Committee (SEAC), Meghalaya, Shillong, held on 18th and 19th January 2024 from 10:30 A.M. on ward in the Conference Hall, office of the Principal Chief Conservator of Forests & PHoFF, Meghalaya, Lower Lachumiere, Shillong – 793001, through hybrid 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-VI/1/2024/1 dated Shillong, the 17th January, 2024, accordingly. All proposed mining areas are cross checked through google earth.

1. Confirmation of the minutes of the 72nd Meeting held on 30th November 2023.

The minutes were confirmed.

2. Action taken report as per the decision taken in the 72nd Meeting.

As per the decision taken in the 72nd Meeting of the State Expert Appraisal Committee held on 30th November 2023, (3) three proposals for Environmental Clearance, (4) proposals for Terms of Reference (TOR), (1) Further Re-Consideration and (1) one proposal for ADS were recommended to the State Environment Impact Assessment Authority, Meghalaya.



DAY – 1
18th JANUARY 2024

ENVIRONMENTAL CLEARANCE

I. Proposal No.SIA/ML/MIN/203657/2021 submitted by M/S Lafarge Umiam Mining Pvt.Ltd.

The Project Proponent, **M/S Lafarge Umiam Mining Pvt.Ltd.** submitted online application vide proposal **No.SIA/ML/MIN/203657/2021** for Environmental Clearance for mining of Shale for an area of 4.9 hectares. The proposal is for mining of shale which will be used in the cement plant of the applicant located at Chattak, Sunarnganj District, Bangladesh. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The mining lease area is located at Shella, East Khasi Hills District, Meghalaya and toposheet No.78O/12 within the following GPS Coordinates

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 11' 01.2253"N	91° 37' 51.6742"E
2	25° 10' 57.9720"N	91° 37' 51.4662"E
3	25° 10' 58.6791"N	91° 37' 34.0041"E
4	25° 11' 01.9171"N	91° 37' 34.1591"E

The proposed land belongs to the project proponent vide the permission for transfer of land issued by the Revenue Department, Government of Meghalaya vide letter No. RDS.25/99/Pt-I/177 dated Shillong, the 17th September, 2004.

The applied area for is a Forest Land which was confirmed by the Conservator of Forests (T), Khasi & Jaintia Hills, Meghalaya vide letter No.MFG.16/18/PCCF(T)/Vol-II/6601 dated Shillong, the 3rd August, 2018. However, the company has subsequently submitted its proposal for diversion of 5.156 ha (i.e., 4.9 ha for mining lease + 0.256 ha for access road to the mine) of forestland for non-forest purposes to the Forest Department of which permission was also granted vide letter No.3-MG C 005/2023-SHI/1243-44 dated, the 27th July 2023 issued by the Regional Office, Ministry of Environment, Forest and Climate Change, Government of India subject to fulfilment of the given conditions.

The project proponent obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/81/2020/17 dated Shillong, the 11th March 2021, which states that since the Mining Lease was granted on the 5th of April, 2002, and executed on the 30th August, 2002, hence in the light of MOEF &CC



notification 1st July ,2016 of the Appendix XI of 15th January 2016 notification relating to paragraph (6) insertion, the above Lease, being granted prior to 9th September 2013, the cluster consideration may not arise. 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, Shillong vide letter No.DMR/MM/81/2020/09 dated Shillong, the 30th September 2020. The Mining Plan has been prepared to extract shale-siltstone at the rate of 120000 TPA with a project cost of Rs.5.82crores and the operations will be open cast, mechanized method of mining.

As per the approved mining plan, the mineable reserves of Shale-Siltstone are of the order of 9,20,425 tonnes. The production in the period of this mining plan will be around 6, 00,000 tonnes in 5 years. The balance reserves will be $920425 - 600000 = 320425$. If the production target is 120000 tonnes per year, then the balance reserves will be sufficient for $320425 / 120000 = 2.67$ years. Thus, the total life of mine is $5 + 2.67 = 7.67$ or say 8 years.

The project proponent on being asked by Chairman, furnished the approval for mining and export of shale and siltstone issued by the Ministry of Commerce and Industry Department of Commerce, Government of India vide letter No.2(1)/L-2/2002/1301 dated, the 25th May,2006.

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), 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. 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.
6. 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 operation and the types of species should be as per the Forest Department Plantation Norms (Amended in 31.03.2023) & plantation should be done in the 1st and 2nd year of the planed period.
7. Boundary pillars with the height not less than 2.5 feet above the ground level and 1.5 feet below ground and minimum 8 inches on all face of pillar should be erected.
8. GPS coordinates of each pillar should be carved/painted clearly on the pillars with red colour.
9. A board highlighting the name of project and project proponent, location name, total area of the mine, date of issue of EC by SEIAA and CTO & CTE by MSPCB should be installed at the entrance to the mining site and clearly visible.
10. 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.
11. Storing and collection of water through rainwater harvesting for dust sprinkling and recharging of the aquifers.



II. Proposal No.SIA/ML/MIN/452648/2023 submitted by Shri. Khrikshon Lyngkhoi

The Project Proponent, Shri.Khrikshon Lyngkhoi submitted online application vide proposal No. SIA/ML/MIN/452648/2023 for appraisal and grant of fresh Environmental Clearance for mining of boulder stone for an area of 1.279 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 Village Laitkynsew, Raid Mawlieh, Khyrim Syiemship, East Khasi Hills District, Meghalaya and toposheet No. G46N15 within the following GPS Coordinates

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 25' 20.28''N	91° 51' 57.38''E
2	25° 25' 18.80''N	91° 51' 55.76''E
3	25° 25' 15.60''N	91° 51' 57.71''E
4	25° 25' 19.056''N	91° 52' 2.1''E

The proposed land belongs to the project proponent vide Deed of Conveyance which was executed on the 25th April 2017 at Shillong and certified by the Sub-Registrar, Shillong, 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/9150, dated Shillong, the 27th October, 2017 and letter of Intent by the Divisional Forest Officer, Khasi Hills (T) Division, Shillong vide letter No.KH/6/ML/Stone/69/9161, dated Shillong, the 27th October, 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/105/2017/1983 dated Shillong, the 21st December 2017. The Mining Plan has



been prepared to extract boulder stone at the rate of 97936TPA with a project cost of Rs.1.7 lakhs and the operations will be semi-mechanized, opencast method of mining.

As per the approved mining plan, the mineable reserves of stone are of the order of 8, 32,270 tonnes (111+121 and 122). The production in the period of this mining plan will be around 489680 tonnes in 5 years. Balance reserves will be $832760 - 489680 = 343080$ tonnes. If the production target is 117220 tonnes, the balance reserve will be sufficient for $343080/117220 = 2.92$ years. Thus, total life of the mine is $5 + 2.92 = 8.15$ or say 8 years.

The project was already awarded Environmental Clearance by the District Level Environment Impact Assessment Authority, East Khasi Hills District, Shillong vide letter No.EKJ.20/17/2017/16/51/799 dated Shillong the 22nd November 2018 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/KL/213/4428 dated Shillong, the 28th November, 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, the project proponent is to furnish the following).

- The Project Proponent has to furnish the Cluster certificate.
- As the proposed mining site is a worked-out area. The project proponent needs to submit a compliance report which complies with the conditions mention in EC that was granted by DEIAA.
- As depicted from google earth the a state highway 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 metalled roads when blasting is not involved and 200 metres restriction when blasting is involved. Hence, Project Proponent is to submit a written undertaking stating that blasting will not involve in mining operation at the mining site.



DAY – 2

19th JANUARY 2024

III. Proposal No.SIA/ML/MIN/451669/2023 submitted by GREEN VALLIEY INDUSTRIES LIMITED.

(GVIL Shale Mine).

The Project Proponent, Green Valliey Industries Limited submitted online application for Environmental Clearance for GVIL Shale Mine for mining of shale for an area of 4.77 hectares. The proposal is for mining of shale which will be used in the captive cement plant of the applicant. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The mining lease area is located at Brichyrnot Village, Elaka Narpuh, East Jaintia Hills District, Meghalaya with toposheet Survey of India No.78G/14 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 09'38.3''N	92° 24'31.1''E
2	25° 09'36.0''N	92° 24'31.5''E
3	25° 09'35.0''N	92° 24'30.8''E
4	25° 09'34.4''N	92° 24'31.3''E
5	25° 09'33.4''N	92° 24'31.5''E
6	25° 09'33.7''N	92° 24'30.5''E
7	25° 09'32.3''N	92° 24'30.3''E
8	25° 09'31.8''N	92° 24'28.6''E
9	25° 09'29.5''N	92° 24'28.4''E
10	25° 09'28.8''N	92° 24'28.1''E
11	25° 09'28.3''N	92° 24'28.6''E
12	25° 09'28.4''N	92° 24'30.3''E
13	25° 09'29.6''N	92° 24'34.4''E
14	25° 09'30.7''N	92° 24'34.9''E
15	25° 09'31.0''N	92° 24'34.9''E
16	25° 09'31.3''N	92° 24'34.7''E



17	25° 09'32.6"N	92° 24'35.3"E
18	25° 09'34.0"N	92° 24'35.0"E
19	25° 09'34.3"N	92° 24'34.4"E
20	25° 09'35.2"N	92° 24'34.3"E
21	25° 09'35.5"N	92° 24'34.5"E
22	25° 09'36.0"N	92° 24'34.5"E
23	25° 09'36.9"N	92° 24'35.1"E
24	25° 09'36.8"N	92° 24'36.4"E
25	25° 09'36.0"N	92° 24'37.7"E
26	25° 09'37.0"N	92° 24'38.2"E
27	25° 09'38.8"N	92° 24'38.2"E
28	25° 09'38.9"N	92° 24'38.4"E
29	25° 09'39.9"N	92° 24'38.0"E
30	25° 09'39.4"N	92° 24'35.8"E
31	25° 09'38.6"N	92° 24'33.5"E

The proposed mining area is on lease for periods of 25 years vide Deed of Lease Agreement made on the 25th April 2019 at Nongsning certified by District Registrar, East Jaintia Hills District, Meghalaya.

The applied area is a Non-Forest Land which was confirmed by the Conservator of Forests(T), Khasi & Jaintia Hills, Meghalaya, Shillong, vide letter No.MFG.22/385/Vol-II/11243, dated Shillong, the 2nd December 2021 and Letter of Intent confirmed by the Divisional Mining Officer, Directorate of Mineral Resources, Meghalaya, Jowai, vide letter DMO-J/ML-MM/1/2019-20/04 dated Jowai the 30th January, 2020.

The project proponent obtained a cluster certificate from the Division Mining Officer, Directorate of Mineral Resources, Meghalaya, Jowai vide letter No.DMO-J/66/MM/Mining Plan/2021-22/07 dated Jowai, the 4th April 2022 which states that there is one (1) 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 two mines is summed up to 9.44 hectares.

The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Divisional Mining Officer, Directorate of Mineral Resources, Meghalaya, Jowai vide letter No.DMO-J/66/MM/MiningPlan/2021-22/03 dated Jowai, the 4th April 2022.

The Mining Plan has been prepared to extract shale at the rate of 76584 MTPA with a project cost of Rs.21.50 lakhs and the operations will be open cast, mechanized method of mining.

The mineable reserves of Shale are of the order of 10,93,658 MT. The production in the period of the mining plan will be around 3,24,023 MT in 5 years. Therefore, the balance reserves will be 1093658-324023 or 769635 MT. If the yearly production target is 76584 MT, the balance reserve will be sufficient for (769635 /76584) or 10.05 years. Thus, the total life of the mine is 5+10=15 years.

The project was already awarded Term of Reference by the State Environment Impact Assessment Authority, Meghalaya vide letter No.ML/SEIAA/MIN/EJH/P-316/2022/697 dated 17th March 2023 and submitted the final EIA/EMP for the proposed Mining of Lime stone where the project proponent complied all the points in compliance to the Term of Reference prepared by Gaurang Environmental Solutions Pvt. Ltd .The public hearing was held on 25th August 2023 which was conducted by the Meghalaya State Pollution Control Board and presided over by Shri.G.Warjri, MCS, Additional Deputy Commissioner, East Jaintia Hills District.

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. LOI ought to be renewed as the validity has expired.
2. A settling Tank is to be constructed, at a suitable site within the mining area for collection of debris, sediment, silt, fragmented stones etc carried by surface water channelized through the Curtain drain. The deposited debris, spoils etc are to be removed/cleared, both from the tank and drain as and when required. Overflowing water that flows downhill shall be dispersed but precautions to be taken that spoils etc. generated from mining are not carried along.
3. 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.



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. 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 operation and the types of species should be as per 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. 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.
9. GPS coordinates of each pillar should be carved/painted clearly on the pillars with red colour.
10. 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.
11. 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.
12. Storing and collection of water through rainwater harvesting for dust sprinkling and recharging of the aquifers.



IV. Proposal No. SIA/ML/MIN/458155/2024 submitted by Goldstone Cements Ltd.

The Project Proponent, Goldstone Cements Ltd. submitted online application for Environmental Clearance for Umtyra Limestone and Clay Deposit for mining of limestone and clay for an area of 6.7892 hectares. The proposal is for mining of limestone and clay shall be used captively by the clinker manufacturing plant of the Lessee. The project falls under Schedule 1(a) of category B1 of EIA Notification 2006. The mining lease area is located at Umtyra area, Chiehraphi Village, Khliehriat Taluka, P.S. Lumshnong, East Jaintia Hills District, Meghalaya and toposheet Survey of India Toposheet No. 83C/8 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25°12'0.02"N	92°21'31.63"E
2	25°12'0.90"N	92°21'30.29"E
3	25°12'1.30"N	92°21'29.79"E
4	25°12'2.30"N	92°21'28.69"E
5	25°12'3.40"N	92°21'26.59"E
6	25°12'5.00"N	92°21'24.99"E
7	25°12'5.57"N	92°21'24.07"E
8	25°12'5.92"N	92°21'21.71"E
9	25°12'7.70"N	92°21'21.39"E
10	25°12'9.88"N	92°21'21.62"E
11	25°12'11.30"N	92°21'22.69"E
12	25°12'12.46"N	92°21'24.64"E
12 A	25°12'10.89"N	92°21'26.67"E
19	25°12'10.50"N	92°21'28.69"E
20	25°12'8.82"N	92°21'28.29"E
21	25°12'7.66"N	92°21'27.18"E
22	25°12'7.01"N	92°21'28.24"E
23	25°12'6.80"N	92°21'29.49"E
24	25°12'6.81"N	92°21'30.49"E
25	25°12'7.40"N	92°21'31.49"E
26	25°12'7.40"N	92°21'32.99"E



27	25°12'7.00"N	92°21'32.71"E
28	25°12'5.50"N	92°21'32.59"E
29	25°12'4.37"N	92°21'34.12"E
30	25°12'3.24"N	92°21'35.33"E
31	25°12'2.72"N	92°21'35.72"E
31 A	25°12'1.76"N	92°21'34.26"E
31 B	25°12'1.10"N	92°21'33.21"E

The proposed mining belongs to the project proponent vide Deed of Sale made on the 27th March 2018 certified by District Registrar, East Jaintia Hills district, Khliehriat, Meghalaya.

The applied area is a Non-Forest Land which was confirmed by the Conservator of Forests (T), Khasi & Jaintia Hills, Meghalaya, Shillong, vide letter No.MFG.16/50/Goldstone/183, dated Shillong, the 4th April 2022 and the Letter of Intent (LoI) for Grant of Mining Lease (ML) was issued by State Government under sub- rule (3) of Rule 27 of the Minerals (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016, Grant Order No. MG. 72/2022/242, dated 28.09.2022.

The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Deputy Controller of Mines (Incharge), Ministry of Mines, Indian Bureau of Mines, O/o the Regional controller of Mines, Guwahati vide letter No.MCDR-MPC0LST/2/2023-GUH-IBM_RO_GUH dated 6th June 2023. The Mining Plan has been prepared to extract clay and limestone at the rate of 121908.59 MTPA and 358369.01 MTPA respectively, with a project cost of Rs.804.5 lakhs and the operations will be open cast, mechanized method of mining.

As per the mining plan, the life of the mine will be 15 years including the plan period.

The project was already awarded Term of Reference by the State Environment Impact Assessment Authority, Meghalaya vide letter No.ML/SEIAA/MIN/EJH/P-349/2023/759 dated 23rd August 2023 and submitted the final EIA/EMP for the proposed Mining of Lime stone and clay where the project proponent complied all the points in compliance to the Term of Reference prepared by Gaurang Environmental Solutions Pvt. Ltd .The public hearing was held on 21st November 2023 which was conducted by the Meghalaya State Pollution Control Board and presided over by Shri.G.Warjri, MCS, Additional Deputy Commissioner, East Jaintia Hills District.



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. LOI ought to be renewed as the validity has expired.
2. A settling Tank is to be constructed, at a suitable site within the mining area for collection of debris, sediment, silt, fragmented stones etc carried by surface water channelized through the Curtain drain. The deposited debris, spoils etc are to be removed/cleared, both from the tank and drain as and when required. Overflowing water that flows downhill shall be dispersed but precautions to be taken that spoils etc. generated from mining are not carried along.
3. 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.
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. 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.5 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 operation and the types of species should be as per 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. In annual EMP budget under CER, an addition capital cost should be allocated for Mobile Health Clinics, Water treatment and filtration plant for nearby villages,



contribution towards plantation in nearby villages by creating Community Nurseries for free distribution of seedlings. Budget under said head stands revised accordingly.

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

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



Chairman
State Expert Appraisal Committee
Meghalaya, Shillong.