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STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA)

:: MEGHALAYA::

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MINUTES OF THE MEETING OF THE SEIAA, MEGHALAYA,

HELD ON 18th August, 2021, AT 1:00 PM,

VENUE: OFFICE CHAMBER OF THE CHAIRMAN.

Members present in the Meeting:

1. Shri T.T.C. Marak, IFS (Retd.).....Chairman, SEIAA
2. Dr. H.J. Syiemlieh, Professor, Dept. of Geography, NEHU Member, SEIAA
3. Shri W.S. Manner, IFS, CCF, SF & EMember Secy. SEIAA

Proceedings:

The Meeting was chaired by Shri T.T.C. Marak, Chairman, SEIAA. At the outset, the Chairman welcomed the Members and then invited the Member Secretary to present the Agenda points for discussion.

Agenda 1 : Action taken Report - The Member Secretary informed about the action of the decisions taken in the last SEIAA's meeting held on 20th July, 2021 and circulated the Minutes of the said meeting. The meeting approved the actions taken and confirmed the proceedings.

Agenda 2 : Grant of Term of Reference (TOR)

2.1 Proposal No. SIA/ML/MIN/60487/2021 submitted by Smt. Jelika Khongrymmai.

The Project Proponent, Smt. Jelika Khongrymmai submitted online application for Term of Reference vide proposal No. SIA/ML/MIN/60487/2021 for Term of Reference for Temsuwai Limestone Mine for mining of Lime stone for an area of 1.64 hectare. The proposal is for mining of lime stone to be used for construction purposes. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The mining lease area is located at Temsuwai, Elaka Wahlong 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' 1.50"N	91° 42' 11.90"E
2	25° 11' 0.70"N	91° 42' 12.50"E
3	25° 10' 59.80"N	91° 42' 13.80"E
4	25° 10' 57.60"N	91° 42' 14.10"E
5	25° 10' 57.70"N	91° 42' 15.50"E
6	25° 10' 59.20"N	91° 42' 17.70"E
7	25° 11' 0.58"N	91° 42' 18.31"E
8	25° 11' 4.10"N	91° 42' 16.80"E
9	25° 11' 1.70"N	91° 42' 15.70"E

The proposed mining area is on lease for a period of 20 years vide Deed of Agreement executed on 18th August 2020 certified by Notary.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, East Khasi Hills & Ri Bhoi Territorial Division, Shillong vide letter No.KH/8/NOC/Limestone/41/Pt.IV/3348, dated Shillong, the 19th October, 2020 and letter of Intent vide letter No.KH/8/ML/Limestone/68/3395 dated Shillong, the 20th October 2020 respectively.

The project proponent obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/95/2020/08 dated Shillong, the 28th January 2021 which states that there are four (4) approved mining plans lying within 500 metres from the applied mining lease area. Hence the applied mining area falls under cluster category since the total area of these five mines is summed up to 12.0211 hectares.

The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR-/MM/95/2020/04 dated Shillong, the 23rd December 2020. The Mining Plan has been prepared to extract lime stone at the rate of 81,000 TPA with a project cost of Rs.19.60 lakhs and the operations will be open cast, semi-mechanized method of mining.

The mineable reserves of limestone are of the order of 10,05,000 tonnes. The production in the period of the mining plan will be around 3,37,225 tonnes in 5 years. Therefore, the balance reserves will be (10,05,000 - 3,37,225) or 6,67,775 tonnes. If the production target is 81,000 tonnes, the balance reserve will be sufficient for (6,67,775 /81,000) or 8.24 years. Thus, the total life of the mine is $5+8.24=13.24$ years.

RECOMMENDATION:

The State Environment Impact Assessment Authority, Meghalaya, in the meeting held on 18th August, 2021 noted the recommendation in the above said SEAC's Minutes relating to this project and accepted the recommendation of the SEAC and unanimously resolved to grant Terms of Reference to this project.

Accordingly, on recommendation of the SEAC and as per the EIA Notification- 2006 and its subsequent amendments, the SEIAA in the meeting unanimously grant Terms of Reference to this project, with the Terms and conditions as stipulated in " Standard TOR Conditions for Non-Coal mining sector" issued vide Ministry' OM No.22-24/2018-IA-III dtd. 08.01.2019 and with the following conditions:

1. The methods/formula applied for extracting and calculating the volume/quantity of production should be clarified.
2. The drainage pattern and runoff should be properly checked and maintained before, during and post mining.
3. Letter of Intent (LOI) should be renewed as the validity has expired.

Member Secretary shall prepare the draft Term of Reference for this project and circulate the same to all Members of the Authority for views/comments/corrections, if any, and then after approval of the Chairman, the Member Secretary shall issue the final Environment Clearance.

2.2 Proposal No. SIA/ML/MIN/60622/2021 submitted by Shri Stephan Majaw Ka Pammuriang Limestone Mine.

The Project Proponent, Shri Stephan Majaw submitted online application for Term of Reference vide proposal No. SIA/ML/MIN/60622/2021 for Term of Reference for Ka Pammuriang Limestone Mine for mining of Lime stone for an area of 1.18 hectare. The proposal is for mining of lime stone to be used for construction purposes. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The mining lease area is located at Ka Pammuriang, Elaka Wahlong 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' 04.60"N	91° 42' 28.83"E
2	25° 11' 05.33"N	91° 42' 29.42"E
3	25° 11' 05.54"N	91° 42' 29.88"E
4	25° 11' 05.71"N	91° 42' 30.98"E
5	25° 11' 05.64"N	91° 42' 31.70"E
6	25° 11' 05.25"N	91° 42' 31.96"E
7	25° 11' 04.19"N	91° 42' 32.05"E
8	25° 11' 02.53"N	91° 42' 32.48"E
9	25° 11' 00.67"N	91° 42' 33.50"E
10	25° 11' 00.31"N	91° 42' 31.82"E
11	25° 11' 00.55"N	91° 42' 31.27"E
12	25° 11' 01.87"N	91° 42' 30.31"E

The proposed mining area is on lease vide affidavit made on 27th August 2020 at Shillong certified by Notary Public, Shillong, East Khasi Hills.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, East Khasi Hills & RiBhoi Territorial Division, Shillong vide letter No.KH/8/NOC/Limestone/41/Pt.IV/2338, dated Shillong, the 26th August, 2020 and letter of Intent vide letter No.KH/8/ML/Limestone/68/2535 dated Shillong, the 3rd March 2020 respectively.

The project proponent obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/93/2020/08 dated Shillong, the 28th January 2021 which states that there are five (5) approved mining plans lying within 500 metres from the applied mining lease area. Hence the applied mining area falls under cluster category since the total area six mines is summed up to 15.7211 hectares.

The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/93/2020/04 dated Shillong, the 10th December 2020. The Mining Plan has been prepared to extract lime stone at the rate of 50075 TPA with a project cost of Rs. 21.00 lakhs and the operations will be open cast, semi-mechanized method of mining.

The mineable reserves of limestone are of the order of 5,70,000 tonnes. The production in the period of the mining plan will be around 2,50,375 tonnes in 5 years. Therefore, the balance

reserves will be (5,70,000 -2,50,375) or 3,19,625 tonnes. If the production target is 50,075 tonnes, the balance reserve will be sufficient for (3,19,625 /50,075) or 6.38 years. Thus , the total life of the mine is 5+6.38=11.38 or say 12 years.

RECOMMENDATION:

The State Environment Impact Assessment Authority, Meghalaya, in the meeting held on 18th August, 2021 noted the recommendation in the above said SEAC's Minutes relating to this project and accepted the recommendation of the SEAC and unanimously resolved to grant Terms of Reference to this project.

Accordingly, on recommendation of the SEAC and as per the EIA Notification- 2006 and its subsequent amendments, the SEIAA in the meeting unanimously grant Terms of Reference to this project, with the Terms and conditions as stipulated in " Standard TOR Conditions for Non-Coal mining sector" issued vide Ministry' OM No.22-24/2018-IA-III dtd. 08.01.2019 and with the following conditions:

1. The methods/formula applied for extracting and calculating the volume/quantity of production should be clarified.
2. The drainage pattern and runoff should be properly checked and maintained before, during and post mining.
3. Letter of Intent (LOI) should be renewed as the validity has expired.

Member Secretary shall prepare the draft Term of Reference for this project and circulate the same to all Members of the Authority for views/comments/corrections, if any, and then after approval of the Chairman, the Member Secretary shall issue the final Environment Clearance.

2.3 Proposal No. SIA/ML/MIN/61355/2021 submitted by Shri Sunshine Makri.

The Project Proponent, Shri Sunshine Makri submitted online application for Term of Reference vide proposal No. SIA/ML/MIN/61355/2021 for Term of Reference for Ka Shnong Limestone Mine for mining of Lime stone for an area of 0.75 hectares. The proposal is for mining of lime stone to be used in kilns for manufacturing of lime used as building materials. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The mining lease area is located at Ka Shnong Tyngwai, Tyngwai area, Sohbar Sirdarship, East Khasi Hills District, Meghalaya and toposheet Survey of India No.780/12 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 10'38.5"N	91° 43'23.9"E
2	25° 10'38.5"N	91° 43'22.8"E
3	25° 10'46.3"N	91° 43'25.2"E
4	25° 10'46.1"N	91° 43'26.2"E

The proposed mining area is on lease for a period of 50 years vide Lease Agreement made on the 31st January, 2019 certified by Notary Public, Shillong.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, East Khasi Hills & RiBhoi Territorial Division, Shillong, vide letter No.KH/8/NOC/Limestone/41/Pt.IV/3314, dated Shillong, the 15th October 2020 and letter of Intent vide letter No.KH/8/ML/Limestone/68/3399, dated Shillong, the 20th October, 2020 respectively.

The project proponent obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/92/2020/05 dated Shillong, the 7th January 2021 which states that there are four (4) 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 five mines is summed up to 8.5592 hectares. The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/92/2020/02 dated Shillong, the 7th December 2020. The Mining Plan has been prepared to extract lime stone at the rate of 38167 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 reserve would be 190836 tonnes with an average annual production of 38167 (190836/5) tonnes. The average annual production of limestone may be different from annual production of five year plan period. Thus 190769 tonnes of the total mineable reserve will be worked out in first five years and the rest quantity of mineable reserves i.e. (190836 - 190769) = 67 tonnes would be mining loss. Therefore, life of the mine will be 5 years.

RECOMMENDATION:

The State Environment Impact Assessment Authority, Meghalaya, in the meeting held on 18th August, 2021 noted the recommendation in the above said SEAC's Minutes relating to this project and accepted the recommendation of the SEAC and unanimously resolved to grant Terms of Reference to this project.

Accordingly, on recommendation of the SEAC and as per the EIA Notification- 2006 and its subsequent amendments, the SEIAA in the meeting unanimously grant Terms of Reference to this project, with the Terms and conditions as stipulated in " Standard TOR Conditions for Non-Coal mining sector" issued vide Ministry' OM No.22-24/2018-IA-III dtd. 08.01.2019 and with the following conditions:

1. The methods/formula applied for extracting and calculating the volume/quantity of production should be clarified.
2. The drainage pattern and runoff should be properly checked and maintained before, during and post mining.
3. Letter of Intent (LOI) should be renewed as the validity has expired.

Member Secretary shall prepare the draft Term of Reference for this project and circulate the same to all Members of the Authority for views/comments/corrections, if any, and then after approval of the Chairman, the Member Secretary shall issue the final Environment Clearance.

2.4 Proposal No.SIA/ML/MIN/61358/2021 submitted by Shri Ojoy A. Sangma.

The Project Proponent, Shri. Ojoy A. Sangma submitted online application for Term of Reference vide proposal No. SIA/ML/MIN/61358/2021 for Term of Reference for Bagli Limestone Mine for mining of Lime stone for an area of 1.00 hectare. The proposal is for mining of lime stone to be used in kilns for manufacturing of lime used as building materials. The project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The mining lease area is located at Bagli, Khonjowai, South West Khasi Hills District, Meghalaya and toposheet Survey of India No.780/4 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 12'10.79"N	91° 04'31.28"E
2	25° 12'15.00"N	91° 04'33.66"E
3	25° 12'14.40"N	91° 04'30.18"E
4	25° 12'10.74"N	91° 04'28.50"E

The proposed mining area is on lease for a period of 10 years vide Deed of Lease made on the 12th March 2015 certified by Sub-Registrar, South West Khasi Hills District, Mawkyrwat.

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/W7SW/20/NOC(L)/536, dated Nongstoin, the 27th August, 2020 and letter of Intent vide letter No.T/W7SW/20-21/LS/ML/117/652 dated Nongstoin, the ___ October, 2020 respectively.

The project proponent obtained a cluster certificate from the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/91/2020/09 dated Shillong, the 2nd February 2021 which states that there are five (5) approved mining plan lying within 500 metres from the applied mining lease area. Hence the applied mining area falls under cluster category since the total area of six mines is summed up to 7.61 hectares.

The project proponent submitted the Mining Plan with Progressive Mine Closure Plan approved by the Mining Engineer, Directorate of Mineral Resources, Meghalaya, Shillong vide letter No.DMR/MM/91/2020/05 dated Shillong, the 8th January 2021. The Mining Plan has been prepared to extract lime stone at the rate of 72349 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 reserve would be 506242 tonnes with an average annual production of 72320 (506242/7) tonnes. The average annual production of limestone may be different from annual production of five year plan period. Thus 361304 tonnes of the total mineable reserve will be worked out in first five years and the rest quantity of mineable reserves i.e. (506242 - 361304) = 144938 tonnes would be exhausted in further 2 years with an average production of 72469 tonnes/annum. Therefore, life of the mine will be 7 years (five years in plan period + 2 years in conceptual working period).

RECOMMENDATION:

The State Environment Impact Assessment Authority, Meghalaya, in the meeting held on 18th August, 2021 noted the recommendation in the above said SEAC's Minutes relating to this project and accepted the recommendation of the SEAC and unanimously resolved to grant Terms of Reference to this project.

Accordingly, on recommendation of the SEAC and as per the EIA Notification- 2006 and its subsequent amendments, the SEIAA in the meeting unanimously grant Terms of Reference to this project, with the Terms and conditions as stipulated in " Standard TOR Conditions for Non-Coal mining sector" issued vide Ministry' OM No.22-24/2018-IA-III dtd. 08.01.2019 and with the following conditions:

1. The methods/formula applied for extracting and calculating the volume/quantity of production should be clarified.
2. The drainage pattern and runoff should be properly checked and maintained before, during and post mining.

3. Letter of Intent (LOI) should be renewed as the validity has expired.

Member Secretary shall prepare the draft Term of Reference for this project and circulate the same to all Members of the Authority for views/comments/corrections, if any, and then after approval of the Chairman, the Member Secretary shall issue the final Environment Clearance.

Agenda 3 : ADDITIONAL DOCUMENTS SOUGHT (ADS)

2.5 Proposal No.SIA/ML/MIN/166552/2020 submitted by Shri Kalthin Ch. Marak

The Project Proponent Shri. Kalthin Ch. Marak, submitted online application vide Proposal No. SIA/ML/MIN/166552/2020 for Environmental Clearance for mining of Boulder stone for an area of 2.48 hectares. The proposal is for mining of boulder stone to be utilised for construction purposes and hence, the project falls under Schedule 1(a) of category B2 of EIA Notification 2006. The area is located at Rangmalgre, P.O. Rongsak, East Garo Hills District, Meghalaya and toposheet Survey of India No.78K/6 within the following GPS Coordinates:

Pillar No	GPS Coordinates	
	Latitude	Longitude
1	25° 33' 11.87"N	90° 23' 52.22"E
2	25° 33' 13.40"N	90° 23' 46.91"E
3	25° 33' 15.06"N	90° 23' 46.96"E
4	25° 33' 15.35"N	90° 23' 47.19"E
5	25° 33' 16.01"N	90° 23' 47.90"E
6	25° 33' 17.08"N	90° 23' 48.08"E
7	25° 33' 17.30"N	90° 23' 49.41"E
8	25° 33' 17.25"N	90° 23' 53.20"E
9	25° 33' 15.51"N	90° 23' 53.84"E

The proposed mining area belongs to the project proponent vide declaration made on 8th February 2019 duly certified by Notary, East Garo Hills, Williamnagar.

The applied area is a Non Forest Land which was confirmed by the Divisional Forest Officer, East & North Garo Hills Territorial Division, Williamnagar, vide letter No. B/50/II/442-449 dated Williamnagar, the 24th June 2020 and letter of Intent vide letter No.B/50/iii/1212-1218 dated Williamnagar, the 12th June 2019.

The project proponent has obtained a cluster certificate from the Divisional Mining Officer, East Garo Hills, Williamnagar vide letter No.DMO-W/MP/15/2019/89 dated Williamnagar, the 29th August 2019, where it is mentioned that there is no approved mining plan located within 500 metres radius. Hence, the Environment Management Plan is not required.

The project proponent submitted approved Mining Plan and Progressive Mine Closure Plan from Divisional Mining Officer, East Garo Hills, Williamnagar vide letter No.DMO-W/MP/20/2019/69, dated Williamnagar, the 1st August 2019. The Mining plan has been prepared to extract boulder stone at an annual rate of 151200 MT with a project cost of Rs. 20 lakhs and the operations will be open cast with semi-mechanized method of mining.

The mine has mineable reserves of 1947060 tonnes and the production during the period of first five years is 625050 tonnes. The balance reserves after the plan period is 1322010 tonnes.

Taking rate of production from 6th year to be 151200 metric tonnes per annum, therefore reserve is sufficient for another 8.74 years. Thus, the total life of the mine is 13.74 years.

RECOMMENDATION:


The State Environment Impact Assessment Authority, Meghalaya, in the meeting held on 18th August, 2021 noted the recommendation in the above said SEAC's Minutes relating to this project and accepted the recommendation of the SEAC and unanimously resolved to grant Environment Clearance to this project.

Accordingly, on recommendation of the SEAC and as per the EIA Notification- 2006 and its subsequent amendments, the SEIAA in the meeting unanimously grant Environment Clearance to this project, with the Terms and conditions as stipulated in " Standard EC Conditions for Non-Coal mining sector" issued vide Ministry' OM No.22-24/2018-IA-III dtd. 08.01.2019 and with the following condition:

1. No heavy blasting will be allowed during the mining process.

Member Secretary shall prepare the draft Environment Clearance for this project and circulate the same to all Members of the Authority for views/comments/corrections, if any, and then after approval of the Chairman, the Member Secretary shall issue the final Environment Clearance.

The meeting ended with a vote of thanks from the Chairman.



Chairman
SEIAA
Meghalaya, Shillong.

Memo. No. ML/SEIAA/Meeting/ Vol.IV/53/2021/15/

Dated Shillong the August 2021

Copy to :

- 1) Member, SEIAA, Meghalaya, Shillong for information.
- 2) File concern for record.


Member Secretary
SEIAA
Meghalaya, Shillong