

**MINUTES OF THE 111th MEETING OF THE STATE LEVEL
ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA)
KERALA, HELD ON 17th & 18th AUGUST 2021 THROUGH VIDEO
CONFERENCING.**

Present:

- 1. Dr.H.NageshPrabhu IFS (Retd), Chairman, SEIAA, Kerala**
- 2. Dr.V.Venu IAS
Member Secretary, SEIAA**
- 3. Dr.Jayachandran.K, Member, SEIAA**

PARIVESH FILES

ADDITIONAL AGENDA

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.01 Environmental Clearance for the Granite (Building Stone) Quarry with Permit at Re Survey No.400 /1, Block No: 64 in Elankur Village, Ernad Taluk, Malappuram District, Kerala for an area of 0.4761 hectares by Sri.Sunny Joseph. (Proposal No.SIA/KL/MIN/129095/2019, File No.1579/EC3/2019/SEIAA

Sri.Sunny Joseph, Mittathanikkal house, Vadapuram post, Malappuram – 676 542 Kerala submitted application in SEIAA through PARIVESH on 03.12.2019 for Environmental Clearance for the Building Stone Quarry project situated in Re Survey No. 400 /1, Block No: 64 in Elankur Village, Ernad Taluk, Malappuram District, Kerala for an area of 0.4761 hectares.

The proposed project site falls within Latitude (N) 11° 7'43.05"N to 11° 7'46.42"N Longitude (E) 76°11'26.13"E to 76°11'30.35"E. The proposed production capacity is 20,454 MTA. The nearest habitation is located at a distance of 200.3m. The daily water demand will

be only 2.5 KLD. The total power requirement will be 75 kW, which will be drawn from diesel engine. Expected cost of the project is Rs. 50 lakh. The life of mine is 3 years as mentioned in the approved mining plan.

The Proposal was placed in the 115th meeting of SEAC held on 03rd to 05th November 2020. The Committee decided to direct the proponent to submit certain documents/details. The proposal was placed in the 117th meeting of SEAC held on 28th to 30th December 2020. The Committee scrutinized the additional documents/details submitted by the proponent and the Committee decided to invite the proponent for presentation.

The Proposal was placed in the 119th meeting of SEAC held on 23rd to 25th February 2021. The proponent and RQP were present. The RQP made the presentation. The Committee directed the proponent to submit certain additional documents/details. A field inspection was also carried out on 17th March 2021 by a team of experts of SEAC and certain observations were made by the team.

The proposal was placed in the 120th meeting of SEAC held on 24th to 26th March 2021. The Committee deferred the item. The proposal was placed in the 121st meeting of SEAC held on 22nd, 23rd & 27th April 2021. The Committee discussed the Field Inspection Report and decided to direct the proponent to submit certain documents/details:

The proposal was placed in the 123rd meeting of SEAC held on 27th to 30th July 2021. The Committee scrutinized the additional details submitted by the proponent. The Committee decided to recommend the issuance of EC subject to the specific condition that mining will be commenced only after the dismantling of the house as given in the undertaking submitted earlier.

Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-feasibility Report, additional details/documents obtained from the proponent during Appraisal, Mining Plan and the filed inspection report. After the due appraisal SEAC had recommend to issue EC subject to certain conditions.

Authority decided to issue EC for a period of 3 years for the quantity mentioned in the approved Mining Plan subject to the following specific conditions in addition to the general conditions.

1. *The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
2. *The Mining will be commenced only after the dismantling of the house as given in the undertaking submitted earlier.*
3. *Authority noticed that there is one more quarry functioning in the locality within 500 mts from the project site, leading to a cluster situation. Hence as per EIA notification 2006, an Environment Management Plan has to be prepared to treat the entire area in the cluster, within 6 months, by the Project Proponent to the satisfaction of SEAC and both the quarry owners should carry out the activities proposed in the EMP for treating the entire area as one unit, to ensure the environmental stability in the project locality. The cost involved in the preparation of EMP and the implementation of activities shall be shared by both the quarry owners in the cluster. The compliance of the same shall be reported in the half yearly report which will be monitored by SEAC at regular intervals.*
4. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal, covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with District Collector. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the half yearly compliance report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
5. *Considering the seriousness of COVID Pandemic in the state, the project Proponent shall carry out certain activities under Corporate Environmental responsibility (CER) leading to creation of temporary Covid care facilities and other related activities connected with managing the Covid pandemic in the state. This will be done in consultation with local self-governments and as per an action plan approved by District Collector and SEAC. The indicated cost for this purpose will be 50% of the CER cost estimated as above. The EMP may be modified to accommodate these activities in consultation with SEAC. The activities so implemented shall be shown in the half yearly completion report. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support*

6. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
7. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Honourable Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the half yearly compliance report which will be monitored by SEAC at regular intervals.*

Item No.02 Environmental Clearance for the Granite Building Stone Quarry project in Re-Survey Nos. 370/1pt and 370/2pt Vallichira Village, Meenachil Taluk, Kottayam District, Kerala for an extent of 0.8525 Hectares of land by Sri. Muhammed Naha Salim (Proposal No: SIA/KL/MIN/134307/2019, File No: 1671/EC3/2020/SEIAA)

Sri.Muhammed Naha Salim, submitted application for Environmental Clearance for the Granite Building Stone Quarry project in Re-Survey Nos. 370/1pt and 370/2pt Vallichira Village, Meenachil Taluk, Kottayam District, Kerala for an extent of 0.8525 Hectares Kerala. The life of mine is 3 years as mentioned in the approved mining plan.

The proposal was placed in the 115th Meeting of SEAC Kerala held during 3 – 5, November 2020. The Committee decided to invite the proponent for presentation along with certain documents. The proposal was placed in the 117th Meeting of SEAC Kerala held during 28th, 29th and 30th December, 2020. The consultant and proponent were present. The consultant made the presentation. The Committee decided to direct the proponent to submit certain additional documents/details. A field inspection was also carried out on 08th April 2021 by a team of experts of SEAC and certain observations were made by the team.

The proposal was placed in the 121st meeting of SEAC Kerala held during 22nd, 23rd and 27th of April, 2021. The Committee discussed and accepted the Field Inspection Report and decided to direct the proponent to submit certain documents/details. The proposal was placed in the 123rd SEAC meeting held on 27th – 30th July 2021. The Committee scrutinized

the additional details submitted by the proponent. The Committee decided to recommend the issuance of EC subject certain specific conditions in addition to general conditions.

Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-feasibility Report, additional details/documents obtained from the proponent during Appraisal, Mining Plan and the filed inspection report. After the due appraisal SEAC had recommend to issue EC subject to certain conditions.

Authority decided to issue EC for a period of 3 years for the quantity mentioned in the approved Mining Plan subject to the following specific conditions in addition to the general conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. Top soil must be dumped at designated place only*
- 3. Storm water management plan must be implemented as per approved plan*
- 4. Green belt development along buffer zone must be taken up within first year itself.*
- 5. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal , covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with District Collector. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the half yearly compliance report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 6. Considering the seriousness of COVID Pandemic in the state, the project Proponent shall carry out certain activities under Corporate Environmental responsibility (CER) leading to creation of temporary Covid care facilities and other related activities connected with managing the Covid pandemic in the state. This will be done in consultation with local self-governments and as per an action plan approved by District Collector and SEAC. The indicated cost for this purpose will be 50% of*

the CER cost estimated as above. The EMP may be modified to accommodate these activities in consultation with SEAC. The activities so implemented shall be shown in the half yearly completion report. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support

- 7. In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
- 8. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Honourable Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the half yearly compliance report which will be monitored by SEAC at regular intervals.*
- 9. Authority noticed that in the SEAC report it is mentioned that a house is located within 165 meters from hr boundary of the quarry.The Project Proponent shall produce a certificate from village officer to the effect that there are no residential buildings within 200mts from the boundary of the quarry.*

Item No.03 Environmental Clearance for the Laterite Stone Quarry Of Mr.Ramachandran.P at Re.Sy.No.19/245 in Koodathai Village, Thamarassery Taluk, Kozhikode District, Kerala (SIA/KL/MIN/144086/2020) {1597/EC4/2020/SEIAA}

Sri.Ramachandran.P, Peradimannil House, Chenoth, Chathamangalam P.O, Kozhikode-673601 vide application dated 19/02/2020 has sought environmental clearance for the laterite building stone quarry project at Re.sy No-19/245 in Kodathai Village, Thamarassery Taluk, Kozhikode District, Kerala from an area of 0.8094 ha.The proposal was placed in the 115th meeting of SEAC held on 03rd,04th& 05th November 2020. The Committee decided to direct the proponent to submit certain documents/details. The proponent submitted the documents online on 21.12.2020

The proposal was placed in the 117th meeting of SEAC held on 28th, 29th & 30th December 2020. The Committee scrutinized the additional documents/details submitted by the proponent and the Committee decided to invite the proponent for presentation. The proposal was placed in the 119th meeting of SEAC held on 23rd, 24th & 25th February 2021. The proponent and RQP were present. The RQP made the presentation. The Committee also directed the proponent to submit certain additional documents/details. The proponent has not submitted the documents in Parivesh Portal.

The proposal was placed in the 121st meeting of SEAC held on 22nd, 23rd & 27th April 2021. The Committee discussed and accepted the Field Inspection Report and decided to direct the proponent to submit certain documents/details. The proponent submitted the documents online on 07.06.2021. The proposal was placed in the 122nd meeting of SEAC held on 15th, 16th, 17th & 18th June 2021. Defer for further scrutiny.

The proposal was placed in the 123rd meeting of SEAC held on 27th, 28th, 29th & 30th July 2021. The Committee scrutinized the additional documents/details submitted by the proponent and decided to recommend for issuance of EC subject to certain specific conditions in addition to general conditions.

Authority decided to issue EC for one year from the date of issue of permit from the Department of Mining & Geology for a quantity mentioned in the approved Mining Plan subject to the following specific conditions in addition to general conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. Mining must be done in benches of 2m height and width*
- 3. Ensure proper slope for natural drainage*
- 4. Top soil must be used for reclaiming the mined out pit for planting trees.*
- 5. As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal , covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with District Collector. The indicated*

cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the half yearly compliance report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support

- 6. Considering the seriousness of COVID Pandemic in the state, the project Proponent shall carry out certain activities under Corporate Environmental responsibility (CER) leading to creation of temporary Covid care facilities and other related activities connected with managing the Covid pandemic in the state. This will be done in consultation with local self-governments and as per an action plan approved by District Collector and SEAC. The indicated cost for this purpose will be 50% of the CER cost estimated as above. The EMP may be modified to accommodate these activities in consultation with SEAC. The activities so implemented shall be shown in the half yearly completion report. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 7. As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Honourable Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the half yearly compliance report which will be monitored by SEAC at regular intervals.*

Item No.04 Environmental Clearance for the Granite building stone quarry at Re-Survey No.263/6- 3,264/11-6-2,264/11-6,263/6-4, 263/6-3-1, 264/11-5,264/11-2, Block No.4 of Pallichal Village, Neyyatinkara Taluk, Thiruvananthapuram District, Kerala by Sri.J.Roberters (SIA/KL/MIN/167896/2020, 1808/EC1/2020/ SEIAA)

Sri.J.Roberters, Ayyampurath Mele Veedu, Kulangarakonam, Thiruvananthapuram - 695571, submitted application for Environmental Clearance via PARIVESH on 14/08/2020, for the Granite building stone quarry at Re-Survey No.263/6- 3,264/11-6-2,264/11-6,263/6-4, 263/6-3-1, 264/11-5,264/11-2,Block No.4 of Pallichal Village, Neyyatinkara Taluk, Thiruvananthapuram District, Kerala.

The proposal was placed in the 121st SEAC meeting held on 22nd, 23rd and 27th of April, 2021. The Committee scrutinized the proposal submitted by the proponent. The Committee decided to direct the proponent to submit certain additional documents/details. The proposal was placed in the 123rd SEAC meeting held on 27th – 30th JULY 2021. The Committee scrutinized the addition documents submitted by the proponent and found that there is a building within 50m hence the application was rejected by SEAC.

Authority accepted the recommendation of SEAC to reject the proposal and decided to inform the same to Project Proponent quoting reasons for rejection.

Item No.05 Environment Clearance for Granite Building Stone Quarry of Mr. P. Abdulla at Re survey No. 274/ 45 in Panathady Village, Vellarikund Taluk, Kasaragod District, Kerala for an extent of 0.2104 Ha (SIA/KL/MIN/171976/2020, 1851/EC2/2020/SEIAA)

Abdulla.P, Puzhakkara house Panathady P.O Kasaragod, Kasaragod, Kerala-671532, seeking Environmental clearance for the proposed Granite Building Stone Quarry over an extent of 0.2104Ha at Re. Sy. No. 274/45, in Panathady Village, Vellarikund Taluk, Kasaragod District, Kerala, application received on 25/11/2020.

The proposal was placed in the 114th meeting of SEAC Kerala held during 6th – 8th October 2020. The Committee decided to invite the proponent for presentation. The proposal was placed in the 116th meeting of SEAC Kerala held during 2nd,3rd and 7th December, 2020. The proponent and consultant were present. The consultant made the presentation. The Committee decided to direct the proponent to submit certain additional documents/details. A field inspection was also carried out on 13.02.2021 by a team of experts of SEAC and certain observations were made by the team.

The proposal was placed in the 119th meeting of SEAC Kerala held during 23rd - 25th February, 2021. Conversion of TOR to EC was approved. The proposal was placed in the

120th meeting of SEAC Kerala held during 24-26, MARCH, 2021, The Committee discussed and accepted the additional details submitted by the proponent. The processing at the SEAC level has been completed. As per the judgment of the Hon'ble High Court of Kerala dt 21.12.2020, the Committee decided to await the NGT order on the minimum distance criteria.

The proposal was placed in the 122nd meeting of SEAC Kerala held during 15th, 16th, and 17th & 18th JUNE 2021, Deferred for further scrutiny. The proposal was placed in the 123rd meeting of SEAC Kerala held during 27th – 30th, July 2021; The Committee scrutinized the additional documents/details submitted by the proponent. In the Field Inspection Report, it is reported that there are two houses within 200m. Since the Village Officer has certified that there are no residential houses or public buildings within 200m, the Committee decided to recommend for issuance of EC for a Project Life of three years subject to certain specific conditions in addition to general conditions.

Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-feasibility Report, additional details/documents obtained from the proponent during Appraisal, Mining Plan and the filed inspection report. After the due appraisal SEAC had recommend to issue EC subject to certain conditions.

Authority decided to issue EC for a period of 3 years (project life as estimated by SEAC) for the quantity mentioned in the approved Mining Plan subject to the following specific conditions in addition to the general conditions.

- 1. The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
- 2. Retaining wall should be provided for the dumping site to a height of about 1.5 m.*
- 3. The blasting should be done adopting NONEL technique.*
- 4. The garland drain and outflow channel should be provided with intermittent silt traps and should be maintained periodically by removing the obstructions, if any and deposited silt.*
- 5. The transportation of mined material should be prevented during the peak hours in the forenoon and afternoon.*
- 6. Sprinkling of water should be done on the unsurfaced road prior to each movement of truck.*

7. *The green-belt development should initiate prior to the commencement of quarry operations. The species should include trees like Kunnivaka, Njaval, Kudakapala, Irul, Thani and Mahagony.*
8. *The quarry pond of the abandoned quarry adjacent to the proposed quarry should be filled and closed.*
9. *As per OM no F.No.22-65/2017-IA.III dated 30th September 2020, under Corporate Environmental Responsibility (CER) the project Proponent shall prepare an Environment Management Plan (EMP) as directed by SEAC during appraisal , covering the issues to address the environmental problems in the project region, indicating both physical and financial targets year wise. The EMP shall be implemented in consultation with District Collector. The indicated cost for CER shall be 2% of the project cost depending upon the nature of activities proposed. The follow up action on implementation of CER shall be included in the half yearly compliance report which will be subjected to field inspection at regular intervals. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support*
10. *Considering the seriousness of COVID Pandemic in the state, the project Proponent shall carry out certain activities under Corporate Environmental responsibility (CER) leading to creation of temporary Covid care facilities and other related activities connected with managing the Covid pandemic in the state. This will be done in consultation with local self-governments and as per an action plan approved by District Collector and SEAC. The indicated cost for this purpose will be 50% of the CER cost estimated as above. The EMP may be modified to accommodate these activities in consultation with SEAC. The activities so implemented shall be shown in the half yearly completion report. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support*
11. *In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining & Geology, it is directed to use only NONEL (Non Electrical) technology for blasting to reduce the vibration of the ground, which is one of the causative factors that triggers landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.*
12. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF&CC, in obedience to the directions of the Honourable Supreme*

Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the half yearly compliance report which will be monitored by SEAC at regular intervals.

Item No.06 See Consideration of ToR Proposal Item No.1

Item No.07 Environmental Clearance for proposed Hospital buildings within the existing Holy Cross Hospital complex in Re-survey no. 250/1, 249/11 of Adichanalloor Village & Panchayat, Kollam Taluk , Kerala by Sri. Vinny Vettukallel, Administrator, M/s Holy Cross Hospital (SIA/KL/MIS/153603/2020, 1673/EC2/2020/SEIAA)

Sri.Vinny Vettukallel, Administrator, Holy Cross Hospital, Kottiyam P.O, Kollam District Kerala-691571, seeking Environmental clearance for the proposed Hospital buildings in Re-survey no. 250/1, 249/11, Adichanalloor Village & Panchayat, Kollam Taluk & District, Kerala, application received on 29/05/2020.

The present project is construction of proposed building project within the existing Holy Cross Hospital Complex. The total plot area of the proposed project is 10.8501 ha. The total built-up area of the proposed buildings 34,402 sqm. The proposed buildings are Holy Cross Cancer Hospital Block, Post Graduate & Research Block, Physical Medicine & Rehabilitation Centre, Multi-Level Car Parking Block.

The proposal was placed in the 115th meeting of SEAC Kerala held during 3rd – 5th , November 2020. The Committee decided to invite the proponent for presentation along with certain documents/details:

The proposal was placed in the 117th meeting of SEAC Kerala held during 28th, 29th and 30th December, 2020, The proponent was present. The RQP made the presentation. A field inspection was also carried out on 31st January 2021 by a team of experts of SEAC and certain observations were made by the team. The proposal was placed in the 119th meeting of SEAC Kerala held during 23rd - 25th February, 2021, The Committee discussed the Field Inspection Report and decided to direct the proponent to submit certain documents/details. The proponent submitted the documents on 03.05.2021

The proposal was placed in the 122nd meeting of SEAC Kerala held during 15th, 16th, 17th & 18th June 2021. The Committee decided to defer for further scrutiny. The proposal was placed in the 123rd meeting of SEAC Kerala held during 15th, 16th, 17th & 18th July 2021. The Committee scrutinized the additional documents submitted by the proponent. The Committee decided to recommend the issuance of EC with certain specific conditions:

Authority accepted the recommendation of SEAC and decided to issue EC for 7 years subject to the following specific conditions in addition to the general conditions.

- 1. Implement proper sewage (waste water) conveyance system (Sewer line) for all proposed buildings, as well as, existing buildings, leading to the site of STP site, as the buildings are situated in scattered manner.*
- 2. Add Tertiary Treatment Unit (Ultra Filtration Unit) in the existing STP and provide a proper treatment of extra quantity of 77 KLD of sewage, generated from the proposed buildings, for ensuring quality of treated water, fit for re-use /recycle for Flushing / Gardening/ Firefighting/ Recharge of local ground water.*
- 3. Establish Storm Water Management System, with drains and intermittent Soak Pits, within the compound, for recharging of local ground water level.*
- 4. Implement suitable garland drains, all around the proposed buildings, enabling recharge of local ground water, to the extent possible and allow balance quantity, to flow to the proposed pond, after imparting primary settling, by providing suitable settling tanks/ delay ponds.*
- 5. Provide Rain Water Harvesting System in all Roof Tops of proposed buildings, and utilisation of Rain Water, for makeup water for toilet flushing, to the extent possible.*

6. *Provide on-site storage facility for Non-degradable solid waste, including existing hospital buildings, as well as, in the new buildings, for periodical handing over of the same to Recyclers/ Local body.*
7. *Provide on-site storage facility for biodegradable waste, for facilitating easy and hygienic storage and for imparting treatment, in the on-site treatment facility.*
8. *Provide on-site storage facility for Biomedical Waste, preferably in the Cellar Floor/ near to those buildings, in the proposed buildings for ensuring segregated storage and inside transport of biomedical waste, for facilitating/handing over the same to Common Operator, IMAGE, in compliance with the BMW Rules 2016.*
9. *Implement proper facilities for tapping Solar Energy from all Roof Tops of proposed buildings, as mentioned about harnessing solar power in the EMP.*
10. *Implement a realistic and suitable green area development, with suitable species of trees and plants, specifically suitable for hospital environment, by avoiding fruit bearing plants. Suitable vegetation should be developed, appropriately on the ground as well as over built structures such as roofs, basements, podiums etc.*
11. *Ensure a climate responsive design as per Green Building Guidelines in practice, and Exposed roof area and covered parking with material, having high solar reflective index.*
12. *Ensure that building should have facilities for catering needs of differently-abled citizens.*
13. *Ensure use of water efficient plumbing features and twin line plumbing system, for ensuring recycle/reuse of treated waste water.*
14. *Ensure that the design of the building will be done in compliance to Energy Building Code as applicable.*
15. *Ensure action for avoiding possible idle motor vehicle emissions, from the ramp type of MLCP proposed in the Hospital Complex.*
16. *Ensure collection, storage and disposal of hazardous wastes including bio medical waste as per relevant rules.*
17. *Considering the seriousness of COVID Pandemic in the state, the project Proponent shall carry out certain activities under Corporate Environmental responsibility (CER) leading to creation of temporary Covid care facilities*

and other related activities connected with managing the Covid pandemic in the state. This will be done in consultation with local self-governments and as per an action plan approved by District Collector and SEAC. The indicated cost for this purpose will be one percent of the total project cost. The activities so implemented shall be shown in the half yearly completion report.

18. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project (Circular No.J-11013/41/2006-IA.II(I) of GoI, MoEF dt.22.09.2008).

Item No.08 Capacity Enhancement of Secured Landfill Facility at Existing Common Hazardous Waste Treatment, Storage and Disposal Facility (TSDF) site proposed by KEIL at Block No. 37, Survey No. 205 of Puthenkurusu, Kunnathunad Taluk, Ernakulam district, Kerala" (Proposal No: SIA/KL/MIS/42326/2018, File No: 1458/EC3/2019/SEIAA)

Dr. N.K.Pillai, Authorized signatory, Chief Executive officer, Kerala Enviro Infra Structure Limited has applied for Environmental Clearance of Capacity Enhancement of Secured Landfill Facility at Existing Common Hazardous Waste Treatment, Storage and Disposal Facility (TSDF) site proposed by KEIL at Block No. 37, Survey No. 205 of Puthenkurusu, Kunnathunad Taluk, Ernakulam district, Kerala.

The proposal was placed in the 108th SEAC meeting held on 13th& 14th January, 2020. The Committee decided to invite the proponent for presentation with all documents/details.

The proposal was placed in the 110th SEAC meeting held on 11th& 12th February, 2020. The consultant made the presentation. A field inspection was also carried out on 02nd January 2021 by a team of experts of SEAC and certain observations were made by the team.

The proposal was placed in the 118th SEAC meeting held on 1st, 2nd& 3rd February, 2021. The Committee discussed the Field Inspection Report and decided to direct the

proponent to submit certain additional documents/details. The proposal was placed in the 122nd SEAC meeting held on 15th, 16th, 17th& 18th June 2021. The file was deferred for further scrutiny.

The proposal was placed in the 123rd SEAC meeting held on 27th – 30th July 2021. The Committee scrutinized the additional documents submitted by the proponent and decided to recommend the issuance of EC subject to certain specific conditions.

Authority accepted the recommendation of SEAC and decided to issue EC for 5 years for Capacity Enhancement of Secured Landfill Facility at Existing Common Hazardous Waste Treatment, Storage and Disposal Facility (TSDF) at Puthenkurisu, Kunnathunad taluk, Ernakulam subject to the following specific conditions in addition to the general conditions.

1. Action for avoiding stockpiling of Hazardous Waste in temporary holding areas (covered with roof) during monsoon months.
2. Action for keeping landfill areas capped with final cover/intermediate cover / rain protection cover, and action for suspending landfill operations, during monsoon period ,to reduce infiltration of rain water into the landfill. This action is very important as water body is situated only 290 m away from the boundary of SLF.
3. Action for providing proper maintenance of surface water drainage system comprising of drains, channels, catch drains, culverts and basins of the SLF and in the surrounding areas.
4. Action for full covering / closure of waste collected and deposited the Landfill, from various flood affected areas in the State, during the 2018 Floods and this portion of the SLF should be properly compacted and protected from rains to avoid further leachate generation.
5. Action for harnessing solar energy, to meet partial power requirement in the SLF and providing post type, solar yard lighting system, within the SLF and adjoining areas.
6. Action for planting of local species of trees (non -fruit bearing type trees) ,in the Green Belt area, as well as, in available open spaces, for maintaining a minimum Greenbelt width of 20 m all around, and ensure proper land scape for the compound and Office premise.

7. Provide suitable compensatory afforestation area, if additional area is available, including avenue plantations with local species of trees of non-fruit bearing type trees, within the compound.
8. Action for filling the gaps in the fencing / compound wall, provided in all around the compound of the existing as well as proposed SLF, for the protection of the area.
9. Action for collecting Rain Water falling on active tipping areas separately and managing it as leachate, via the leachate collection drain and leachate collection sumps and finally lead to the leachate treatment for treatment and disposal/reuse.
10. Action for installing proper Fire Hydrants, in and around the SLF, as fires in hazardous waste landfill sites are not uncommon, and provide training / MOC drills, engaging the Plant Operators, for effectively addressing the problems associated with fire in consultation with Fire and safety Department.
11. Action for periodic monitoring of ground water quality by establishing Monitoring Wells, at the existing as well as in the proposed SLF, located at specified horizontal distance interval, as well as in vertical positions, for touching four underground geographic zones of (a) on and within the landfill; (b) in the unsaturated subsurface zone (vadose zone) beneath and around the landfill; (c) in the groundwater (saturated) zone beneath and around the landfill and (d) in the atmosphere/local area air above and around the landfill, as stipulated in the Guidelines on Hazardous Waste Management issued by the CPCB and KSPCB.

**CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL
CLEARANCE (Extension/Amendment/Corrigendum)**

Item No.01 Application for Extension of EC for the Granite Building Stone Quarry project, M/s Manimaleth Crusher Industries in Survey Nos 781/1-23-1 & 781/1-23-2 in Athikkayam Village, Ranni Taluk, Pathanamthitta District, Kerala by Shri. Tomy Abraham. (SIA/KL/MIN/167099/2020, 121/SEIAA/EC4/2200/2014)

Environmental Clearance was issued to M/s Manimaleth Crusher Industries in Survey Nos 781/1-23-1 & 781/1-23-2 in Athikkayam Village, Ranni Taluk, Pathanamthitta District, Kerala for an area of 4.2755 Ha vide proceedings No. 121/SEIAA/EC4/2200/2014 (EC No.112/2015) dated 23.12.2015. The validity of EC has expired on 22.12.2020. Shri. Tomy Abraham submitted an application for Extension of EC via PARIVESH on 07/08/2020.

The proposal was placed in the 114th SEAC meeting held on 6th – 8th October 2020. A field inspection was also carried out on January 20, 2021 by a team of experts of SEAC and certain observations were made by the team.

The proponent vide e-mail dated 15.03.2021 informed that in the minutes that the proposal is for expansion is not correct. They had actually applied for the extension of the validity of EC, but in the existing EC out of the total area of 4.3564 ha a very little area of 0.0809ha (809 sq.m) was not included and this area falls in the buffer zone in one of the lease area. The reason stated in earlier EC was “An area of 0.0809ha of land falling in ESZ-1 as per Western Ghats Ecology Expert Panel report gained attention in this area during the time of Environmental Clearance” This area has no relevance now as this area is exempted from Ecologically Sensitive Zone. Actually there is no mention of this 0.0809ha even in the original approved mining plan of both leases. They requested only to consider the area mentioned in the original EC i.e., 4.2755ha.

The proposal was placed in the 108th SEIAA meeting held on 22nd & 23rd March, 2021. Authority decided to forward the Email dated 15.03.2021 to SEAC for re-examination of their recommendation and report. The project Proponent may be directed to contact SEAC to clarify the issues he has raised in his Email. The proposal was placed in the

121st SEAC meeting held on 22nd, 23rd and 27th of April, 2021. The Committee decided to invite the proponent for presentation.

The proponent vide e-mail dated 14.07.2021, informed that in accordance with Covid pandemic notification dated 27.11.2020, EC validity is extended upto 22.12.2021 and not extending EC after 22.12.2021. Hence they are not attending the invited presentation for the 123rd SEAC meeting.

The proposal was placed in the 123rd SEAC meeting held on 27th – 30th JULY 2021. As per the request of the proponent, the proponent was allowed to withdraw the proposal.

Authority decided to allow the withdrawal of the proposal by Project Proponent as recommended by SEAC.

CONSIDERATION OF TOR PROPOSAL

Item No.1 Environmental Clearance for the granite building stone quarry of Mr.Hussain, at Re Survey No 19/2 of Village - Koodathayi Village, Thamarassery Taluk, Kozhikode District, Kerala for an extent of 0.2068 Ha. (SIA/KL/MIN/39525/2019) (File No.1411/EC1/2019/SEIAA)

Sri.Hussain, Owner, S/o.Kathiri Haji, Makkil House, Puthoor P.O, Koduvalli, Kozhikode-673585 vide application dated 18.07.2019 has sought Environmental Clearance for the granite building stone quarry project at Re.sy No-19/2 in Koodathai Village, Thamarassery Taluk, Kozhikode District, Kerala from an area of 0.2068 ha.

The proposal was placed in the 114th meeting of SEAC held on 06th,07th& 08th October 2020. The Committee decided to invite the proponent for presentation along with certain documents. The proponent submitted the documents on 25.01.2021.

The proposal was placed in the 118th meeting of SEAC held on 01st ,02nd& 03rd February 2021 and the Committee decided to invite the proponent for presentation.

The proposal was placed in the 120th meeting of SEAC held on 24th,25th& 26th March 2021. The Committee decided to allow for conversion of ToR to EC and directed the proponent to submit certain additional documents. A field inspection was also carried out on 19.07.2021 by a team of experts of SEAC and certain observations were made by the team. The proponent has not submitted the documents in parivesh portal.

The proposal was placed in the 123rd meeting of SEAC held on 27th,28th,29th& 30th July 2021. The Committee discussed the earlier Field Inspection Report in this regard and decided to reject the proposal due to the material for mining as proposed in the mining plan is mostly extracted unauthorizedly including from the portion of the buffer zone at places. Therefore, the application cannot be proceeded and the same should be informed to the Dept. of Mining and Geology.

As per the recommendation of SEAC Authority decided to reject the proposal and inform the same to Project Proponent quoting the reasons for rejection. Further as recommended by SEAC the issue of unauthorized mining by Project Proponent

including from the portion of the buffer zone shall be informed to District Geologist for taking appropriate action under KMMC Rules.

Sd/-
Dr.H.NageshPrabhu IFS (Retd)
Chairman, SEIAA

Sd/-
Dr.V.Venu IAS
Member Secretary, SEIAA

Sd/-
Dr.Jayachandran.K
Member, SEIAA