

PARIVESH FILES

PART - 1

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.1

Environmental Clearance for the Granite Building Stone Quarry of Sri. V. J. Chacko, M/s. Amala Granite Products for an area of 2.4929 Ha in Survey No: 14/6(P), 14/7(P), 14/8(P), 14/9(P) and 14/10(P) at Parlikkad Village, Thalappilly Taluk, Thrissur District SIA/KL/MIN/155091/2020, 1816/EC6/2020/SEIAA (EC Proposal) & SIA/KL/MIN/38577/2019, 1402/EC2/2019/SEIAA (ToR proposal)

Sri. V.J. Chacko, M/s. Amala Granite Products, Vadakkethala, Pindani House, Chettupuzha P.O., Thrissur District submitted an application to SEIAA through PARIVESH on 21.12.2019 for Environmental Clearance for the Granite Building Stone Quarry for an area of 2.4929 Ha in Survey No: 14/6(P), 14/7(P), 14/8(P), 14/9(P) and 14/10(P) at Parlikkad Village, Thalappilly Taluk, Thrissur District.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. 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, the SEAC in its 129th meeting recommended to issue EC for the project life of 8 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that the proposed project site is within 10 km from the nearest protected area and the proponent has not submitted the proof regarding the submission of Wildlife Clearance application before the Standing Committee of National Board of Wildlife. In this context, the Authority decided to defer the proposal for the want of proof of application for Wildlife Clearance submitted before National Board of Wild Life and inform the same to Project proponent. Authority also decided to direct the proponent to submit the revalidated Mining Plan.

Item No.2

**Environmental Clearance for the Laterite Building Stone Quarry of Sri. Asokan K. for an area of 0.2800 Ha in Sy No. 518/8 of Thamarakkulam Village, Mavelikkara Taluk, Alappuzha District, Kerala
(SIA/KL/MIN/170738/2020; 1943/EC2/SEIAA/2022)**

Sri. Asokan K., Devana, Thamarakkulam P.O, Alappuzha 690530 vide application received on 17.09.2021, sought Environmental Clearance for the Laterite Building Stone Quarry project for an area of 0.2800 Ha in Sy No. 518/8 of Thamarakkulam Village, Mavelikkara Taluk, Alappuzha District, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, and Mining Plan. After the due appraisal, the SEAC in its 129th meeting recommended to issue EC for the project life of 2 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 2 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 EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Green belt development in the buffer should be done in the first year of the project itself using indigenous species of trees and it should be nurtured and maintained in subsequent years*
- 4. Appropriate drainage arrangement from the mine pit should be ensured.*
- 5. Transportation of mined material should not be done during the peak hours in the forenoon and afternoon.*
- 6. 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 local self Govt. Institutions. 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 Hon'ble 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.*
- 8. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.3

**Environmental Clearance for the Proposed Laterite Building Stone Quarry of Sri. Noufal Pookath for an area of 0.1943 Ha in Sy No. 131 in Pattithara Village, Pattambi Taluk, Palakkad District, Kerala.
(SIA/KL/MIN/191025/2021; 1955/EC1/2022/SEIAA)**

Sri. Noufal Pookath, Pookath House, Anghadi Post, Padinharangadi, Palakkad submitted an application for Environmental Clearance via PARIVESH on 02.01.2021 for the Laterite Building Stone Quarry project for an area of 0.1943 Ha in Survey No. 131 in Pattithara Village, Pattambi Taluk, Palakkad District, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, and Mining Plan. After the due appraisal, the SEAC in its 129th meeting recommended to issue EC for the project life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 1 (one) year 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 EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Green belt development in the buffer should be done using indigenous species of trees and it should be nurtured and maintained.*
- 4. Appropriate drainage arrangement from the mine pit should be ensured.*
- 5. Transportation of mined material should not be done during the peak hours in the forenoon and afternoon.*
- 6. 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 local self Govt. Institutions. 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 Hon'ble 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.*
- 8. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.4

**Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Nazar K. A. for an area of 0.0971 Ha in Re-Sy No. 39/6 of Kulayattikkara Village, Kanayannoor Taluk, Ernakulam District, Kerala
(SIA/KL/MIN/196571/2021; 1932/EC3/2022/SEIAA)**

Sri. Nazar K. A. Kaithakkattu House, Kanjiramattom, Amballur (P.O) Ernakulam 682315, submitted an application for EC on 04.02.2021 for an area of 0.0971 Ha in Re - Sy. No. 39/6 of Kulayattikkara Village, Kanayannoor Taluk, Ernakulam District, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, and Mining Plan. After the due appraisal, the SEAC in its 129th meeting recommended to issue EC for the project life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 1 (one) year for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- a) 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.*
- b) The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- c) Green belt development in the buffer should be done using indigenous species of trees and it should be nurtured and maintained in subsequent years*
- d) Appropriate drainage arrangement from the mine pit should be ensured.*
- e) Transportation of mined material should not be done during the peak hours in the forenoon and afternoon.*
- f) 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 local self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.

- g) 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 Hon'ble 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.*
- h) The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.5

Environmental Clearance for Laterite Building Stone Quarry of Sri. Noushad C. M. for an area of 0.0971 Ha in Re-Sy No. 56/2 of Chithari Village, Hosdurg Taluk, Kasaragod District, Kerala (SIA/KL/MIN/199526/2021; 2022/EC2/2022/SEIAA)

Sri. Noushad C M, Shoukathali Manzil, Chithari P.O, Kasargod 671531 vide application received on 01.06.2022, sought Environmental Clearance for the Laterite Building Stone Quarry project in Re-Sy No. 56/2 of Chithari Village, Hosdurg Taluk, Kasaragod District, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, and Mining Plan. After the due appraisal, the SEAC in its 129th meeting recommended to issue EC for the project life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 1 (one) year 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 EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3) Green belt development in the buffer should be done during the first year itself using indigenous species of trees and it should be nurtured and maintained in subsequent years.*
- 4) Appropriate drainage arrangement from the mine pit should be ensured.*
- 5) Transportation of mined material should not be done during the peak hours in the forenoon and afternoon.*
- 6) 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 local self Govt. Institutions. 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 Hon'ble 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.*
- 8) The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.6

Environmental Clearance for the Laterite Building Stone Quarry of Sri. Saji for an area of 0.3994 Ha in Block No. 71, Re-Sy No. 163

**in Karimpuzha 1 Village, Ottappalam Taluk, Palakkad District,
Kerala.
(SIA/KL/MIN/217111/2021; 1950/EC1/2022/SEIAA)**

Sri. Saji, Parambil Peedika House, Karimpuzha, Attasseri, Palakkad, submitted an application for Environmental Clearance via PARIVESH on 28.06.2021 for the Proposed Laterite Building Stone Quarry Project for an area of 0.3994 Ha in Block No. 71, Re-Survey No: 163 in Karimpuzha 1 Village, Ottappalam Taluk, Palakkad District, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, and Mining Plan. After the due appraisal, the SEAC in its 129th meeting recommended to issue EC for the project life of 2 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 2 (two) 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 EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Green belt development in the buffer should be done during the first year itself using indigenous species of trees and it should be nurtured and maintained in subsequent years*
- 4. Appropriate drainage arrangement from the mine pit should be ensured.*
- 5. Transportation of mined material should not be done during the peak hours in the forenoon and afternoon.*
- 6. 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 local self Govt. Institutions. 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 Hon'ble 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.*
- 8. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.7

**Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Abdul Gafoor Thathrampalli for an area of 0.1942 Ha in Re-Sy No. 454/2-1 in Ponmala Village, Tirur Taluk, Malappuram District
(SIA/KL/MIN/228143/2021; 1980/EC6/2022/SEIAA)**

Sri. Abdul Gafoor Thathrampalli, Thathrampalli House, Marakkara Post, Maruthichira, Malappuram – 676528 submitted an application in SEIAA through PARIVESH on 06.04.2022 for Environmental Clearance for the Laterite Building Stone Quarry project for an area of 0.1942 Ha in Re-Sy No. 454/2-1 in Ponmala Village, Tirur Taluk, Malappuram District.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, and Mining Plan. After the due appraisal, the SEAC in its 129th meeting recommended to issue EC for the project life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 1 (one) year 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 EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3) *The mining should be done after leaving a buffer distance of 15 m between the Panchayath road and the Project site*
- 4) *Green belt development in the buffer should be done using indigenous species of trees and it should be nurtured and maintained in subsequent years*
- 5) *Appropriate drainage arrangement from the mine pit should be ensured.*
- 6) *Transportation of mined material should not be done during the peak hours in the forenoon and afternoon.*
- 7) *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 local self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 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 Hon'ble 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) *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.8

**Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Muhammad Ninshaj A. M. for an area of 0.2751 Ha in Block No.14, Re-Sy No. 38/2 in Muthuvallur Village, Kondotty Taluk, Malappuram District
(SIA/KL/MIN/228875/2021; 1981/EC6/2022/SEIAA)**

Sri. Muhammad Ninshaj A.M., Athimannil House, Kidangazhi, Karuvambram P.O, Malappuram – 676 123 submitted an application in SEIAA through PARIVESH on 25.03.2022 for Environmental Clearance for the Laterite Building Stone Quarry project for an area of 0.2751 Ha in Block No.14, Re-Sy No. 38/2 in Muthuvallur Village, Kondotty Taluk, Malappuram District.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, and Mining Plan. After the due appraisal, the SEAC in its 129th meeting recommended to issue EC for the project life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 1 (one) year for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- a) 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.*
- b) The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- c) Green belt development in the buffer should be done using indigenous species of trees and it should be nurtured and maintained in subsequent years*
- d) Appropriate drainage arrangement from the mine pit should be ensured.*
- e) Transportation of mined material should not be done during the peak hours in the forenoon and afternoon.*
- f) The depth of mining should be limited to 2m above the groundwater table*
- g) 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 local self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.

- h) 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 Hon'ble 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.*
- i) The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.9

**Environmental Clearance for the Proposed Laterite Building Stone Quarry of Sri. Mahesh K. S. for an area of 0.0971 Ha in Re-Sy. No 171/4-2 in Keecheri (Amballur Group) Village, Kanayannur Taluk, Ernakulam District.
(SIA/KL/MIN/229543/2021; 2018/EC3/2022/SEIAA)**

Sri. Mahesh K. S., Kannammyalil House, Kulayettikkara. P.O., Amballur, Kanjiramattom, Ernakulam - 676553, submitted an application for EC on 16/09/2021 for an area of 0.0971 Ha in Re-Sy. No. 171/4-2 in Keecheri (Amballur Group) Village, Kanayannur Taluk, Ernakulam District, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, and Mining Plan. After the due appraisal, the SEAC in its 129th meeting recommended to issue EC for the project life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 1 (one) year 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 EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Green belt development in the buffer should be done using indigenous species of trees and it should be nurtured and maintained in subsequent years.*
- 4. Appropriate drainage arrangement from the mine pit should be ensured.*
- 5. Transportation of mined material should not be done during the peak hours in the forenoon and afternoon.*
- 6. The depth of mining should be limited to 1m above the groundwater table.*
- 7. 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 local self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 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 Hon'ble 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. The violation of EC condition may lead to cancellation of EC and action under*

Item No.10 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Mohamed Kunhi in Re-SyNos. 24/5, 24/6 in Koodathi Village, Thamarassery Taluk, Kozhikode District, Kerala (SIA/KL/MIN/229643/2021; 1929/EC4/SEIAA/2021)

Sri. Mohamed Kunhi, Naduvilpatt House, Karaparamba P.O, Kozhikode-673010 submitted an application through PARIVESH on 16.09.2021 for Environmental Clearance to SEIAA for the proposed Laterite Building Stone Quarry Project for an area of 0.097 Ha, in Re-Sy Nos.24/5, 24/6 in Koodathai Village, Thamarassery Taluk, Kozhikode District, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, and Mining Plan. After the due appraisal, the SEAC in its 129th meeting recommended to issue EC for the project life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 1 (one) year 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 EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Green belt development in the buffer should be done using indigenous species of trees and it should be nurtured and maintained in subsequent years*
- 4. Appropriate drainage arrangement from the mine pit should be ensured.*
- 5. Transportation of mined material should not be done during the peak hours in the forenoon and afternoon*
- 6. 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 local self Govt. Institutions. 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 Hon'ble 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.*
- 8. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.11

Environmental Clearance for the Laterite Building Stone Quarry of Sri. Mathew V. C, for an area of 0.1942 Ha in Sy. Nos. 228/8-1-13-13 Maneed Village, Muvattupuzha Taluk, Ernakulam District. (SIA/KL/MIN/229743/2021; File No.2016/EC3/2022/SEIAA)

Sri. Mathew V. C., Venginikattukudilil, Vadayapparambu, Veliyanad P.O, Arakkunnam Ernakulam- 682313 submitted an application for EC on 17/09/2021 for the Laterite Building Stone Quarry project for an area of 0.1942 Ha in Sy No. 228/8-1-13-13 Maneed Village, Muvattupuzha Taluk, Ernakulam District., Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, and Mining Plan. After the due appraisal, the SEAC in its 129th meeting recommended to issue EC for the project life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 1 (one) year for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- a. 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.*
- b. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- c. Green belt development in the buffer should be done using indigenous species of trees and it should be nurtured and maintained in subsequent years*
- d. Appropriate drainage arrangement from the mine pit should be ensured.*
- e. Transportation of mined material should not be done during the peak hours in the forenoon and afternoon.*
- f. The depth of mining should be limited to 2m above the groundwater table.*
- g. 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 local self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- h. 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 Hon'ble 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.*
- i. The violation of EC condition may lead to cancellation of EC and action under*

Item No.12

Environmental Clearance for the Laterite Building Stone Quarry of Sri. Mathew V. C, for an area of 0.2913 Ha in Sy. No 228/8-1-14-2, Maneed Village, Muvattupuzha Taluk, Ernakulam District. (SIA/KL/MIN/229745/2021; 2017/EC3/2022/SEIAA)

Sri. Mathew V. C., Venginikattukudilil, Vadayapparambu, Veliyanad P.O, Arakkunnam Ernakulam- 682313, submitted an application for EC on 17/09/2021 for the Laterite Building Stone Quarry project for an area of 0.2913 Ha in Sy. No 228/8-1-14-2 Maneed Village, Muvattupuzha Taluk, Ernakulam District.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, and Mining Plan. After the due appraisal, the SEAC in its 129th meeting recommended to issue EC for the project life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 1 (one) year for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- a. 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.*
- b. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- c. Green belt development in the buffer should be done using indigenous species of trees and it should be nurtured and maintained in subsequent years*
- d. Appropriate drainage arrangement from the mine pit should be ensured.*
- e. Transportation of mined material should not be done during the peak hours in the forenoon and afternoon.*
- f. The depth of mining should be limited to 2m above the groundwater table.*

- g. *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 local self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- h. *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 Hon'ble 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.*
- i. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.13

**Environmental Clearance for Ordinary Brick Clay Mining of M/s Kollam District Scheduled Caste Industrial Co-Operative Society Ltd for an area of 0.0323 Ha in Block No. 2, Re-Sy No. 255/3 of Pattazhy Vadakkekara Village, Pathanapuram Taluk, Kollam District, Kerala
(SIA/KL/MIN/236170/2021; 1967/EC2/SEIAA/2022)**

Sri. Sanal Kumar, Secretary, Kollam District Scheduled Caste Industrial Co-operative Society Ltd. No. SIND (Q) 29, Puthukkad P.O, Chavara, Kollam – 691585, Kerala sought Environmental Clearance on 07.04.2022 for the mining of Ordinary Brick Clay for an area of 0.0323 Ha in Block No. 2, Re-Sy No. 255/3 of Pattazhy Vadakkekara Village, Pathanapuram Taluk, Kollam District, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report and Mining Plan. After the due appraisal,

the SEAC in its 129th meeting recommended to issue EC for 6 months subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the period of 6 months for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- a. 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.*
- b. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- c. The depth of mining should be limited to 2m above the groundwater table.*
- d. The mined area should be restored for facilitating agriculture.*
- e. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.14

**Environmental Clearance for Laterite Building Stone Quarry of Sri. Radhakrishnan M for an area of 0.0971 Ha in Re-Sy No. 32/PT28 of Kolathur Village, Kasargod Taluk, Kasaragod District, Kerala
(SIA/KL/MIN/237079/2021; 2009/EC2/2022/SEIAA)**

Sri. Radhakrishnan M, Adkath Vayal House, P.O Mylaty, Kasargod 671319 vide application received on 10.11.2021, sought Environmental Clearance for the Laterite Building Stone Quarry project for an area of 0.0971 Ha in Re-Sy No. 32/PT28 of Kolathur Village, Kasargod Taluk, Kasaragod District, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, and Mining Plan. After the due appraisal, the SEAC in its 129th meeting recommended to issue EC for the project life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 1 (one) year 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 EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Fix the boundary pillars marked with latitude and longitude firmly and submit photographs of the same.*
- 4. Green belt development in the buffer should be done using indigenous species of trees and it should be nurtured and maintained in subsequent years.*
- 5. Appropriate drainage arrangement from the mine pit should be ensured.*
- 6. Transportation of mined material should not be done during the peak hours in the forenoon and afternoon.*
- 7. 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 local self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 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 Hon'ble 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. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.15

**Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Mohammed Basheer for an area of 0.1940 Ha in Re-Sy No. 143/6 Ponmala Village, Tirur Taluk, Malappuram District
(SIA/KL/MIN/237277/2021, 2003/EC6/2022/SEIAA)**

Sri. Mohammed Basheer, Varikkodan House, Randathani Post, Malappuram, submitted an application for Environmental Clearance through PARIVESH on 05.05.2022 for the Laterite Building Stone Quarry for an area of 0.1940 Ha in Re-Sy No.143/6, Ponmala Village, Tirur Taluk, Malappuram District.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, and Mining Plan. After the due appraisal, the SEAC in its 129th meeting recommended to issue EC for the project life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 1 (one) year for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- a. 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.*
- b. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- c. Green belt development in the buffer should be done using indigenous species of trees and it should be nurtured and maintained in subsequent years*
- d. Appropriate drainage arrangement from the mine pit should be ensured.*
- e. Transportation of mined material should not be done during the peak hours in the forenoon and afternoon*

- f. *The depth of mining should be limited to 2m above the groundwater table*
- g. *Affidavit stating that a buffer distance as per the existing distance norms will be maintained between the project site and houses and other built structures.*
- h. *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 local self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- i. *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 Hon'ble 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.*
- j. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.16

**Environmental Clearance for the Laterite Building Stone Quarry of Sri. Muhammed Anees P., for an area of 0.1944 Ha in Block No. 74, Re-Sy No. 351/2, 4 in Karimpuzha-2 Village, Ottapalam Taluk, Palakkad District, Kerala
(SIA/KL/MIN/242420/2021; 1994/EC1/2022/SEIAA)**

Sri. Muhammed Anees P., Kallingal House, Pombra, Karimbuzha, Ottapalam, Palakkad submitted an application for Environmental Clearance via PARIVESH on 03.12.2021 for the proposed Laterite Building Stone Quarry project for an area of 0.1944 Ha in Block No. 74, Re-Sy No. 351/2, 4 in Karimpuzha-2 Village, Ottapalam Taluk, Palakkad District, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, and Mining Plan. After the due appraisal, the SEAC in its 129th meeting recommended to issue EC for the project life of 2 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 2 (two) years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- a. 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.*
- b. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- c. Green belt development in the buffer should be done during the first year itself using indigenous species of trees and it should be nurtured and maintained in subsequent years*
- d. Appropriate drainage arrangement from the mine pit should be ensured.*
- e. Transportation of mined material should not be done during the peak hours in the forenoon and afternoon*
- f. 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 local self Govt. Institutions. 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.*

- g. *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 Hon'ble 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.*
- h. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.17

Environmental Clearance for the Laterite Building Stone Quarry of Sri. Bobby. C, for an area of 0.1244 Ha in Sy No. 272/1 of Pattithara Village, Pattambi Taluk, Palakkad District, Kerala. (SIA/KL/MIN/243965/2021; 1954/EC1/2022/SEIAA)

Sri. Bobby. C S/o Vijayan Chathayil House Anakkara Post, Palakkad submitted an application for Environmental Clearance via PARIVESH on 10.12.2021 for the Laterite Building Stone Quarry project for an area of 0.1244 Ha in Sy No. 272/1 of Pattithara - Village, Pattambi -Taluk, Palakkad- District, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, and Mining Plan. After the due appraisal, the SEAC in its 129th meeting recommended to issue EC for the project life of 2 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 2 (two) years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- a. *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.*
- b. *The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be*

provided to the SEIAA before commencing the mining activity.

- c. Fix the boundary pillars marked with latitude and longitude firmly and submit photographs of the same.*
- d. Green belt development in the buffer should be done using indigenous species of trees and it should be nurtured and maintained in subsequent years*
- e. Appropriate drainage arrangement from the mine pit should be ensured.*
- f. Transportation of mined material should not be done during the peak hours in the forenoon and afternoon.*
- g. 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 local self Govt. Institutions. 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.*
- h. 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 Hon'ble 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.*
- i. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.18

**Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Raman P., for an area of 0.5093 Ha in Re-Sy Nos. 83/6 & 84/10 in Panthallur Village, Ernad Taluk, Malappuram District
(SIA/KL/MIN/244813/2021; 1979/EC6/2022/SEIAA)**

Sri. Raman P., Palamuttath House, Udumbathupadi, Kadambose Post, Malappuram, submitted an application for Environmental Clearance through PARIVESH on 20.04.2022 for the Laterite Building Stone Quarry project for an area of 0.5093 Ha in Re-Sy Nos. 83/6 & 84/10 in Panthallur Village, Ernad Taluk, Malappuram District.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, and Mining Plan. After the due appraisal, the SEAC in its 129th meeting recommended to issue EC for the project life of 2 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 2 (two) years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- a. 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.*
- b. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- c. Green belt development in the buffer should be done during the first year itself using indigenous species of trees and it should be nurtured and maintained in subsequent years*
- d. Appropriate drainage arrangement from the mine pit should be ensured.*
- e. Transportation of mined material should not be done during the peak hours in the forenoon and afternoon*
- f. 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 local self Govt. Institutions. 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.

- g. 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 Hon'ble 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.*
- h. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.19

**Environmental Clearance for Laterite Building Stone Quarry of Sri. M. K. Jiji for an area of 0.0971 Ha in Sy No.448/1A pt 1496 in Thayannur Village, Vellarikund Taluk, Kasaragod District, Kerala
(SIA/KL/MIN/252261/2022; 2008/EC2/2022/SEIAA)**

Sri. M.K Jiji, Marattukulam House, P.O Kalichanadkam, Kasargod 671314 vide application received on 20.01.22, sought Environmental Clearance for the Laterite Building Stone Quarry project in Survey No.448/1A pt 1496 at Thayannur Village, Vellarikund Taluk, Kasaragod District, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, and Mining Plan. After the due appraisal,

the SEAC in its 129th meeting recommended to issue EC for the project life of 2 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 2 (two) years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

- a. 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.*
- b. The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- c. Fix the boundary pillars marked with latitude and longitude firmly and submit photographs of the same.*
- d. Green belt development in the buffer should be done using indigenous species of trees and it should be nurtured and maintained in subsequent years*
- e. Appropriate drainage arrangement from the mine pit should be ensured.*
- f. Transportation of mined material should not be done during the peak hours in the forenoon and afternoon*
- g. 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 local self Govt. Institutions. 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.*
- h. 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 Hon'ble 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.

- i. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.20

**Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Noushad C. K. for an area of 0.0972 Ha in Block No.14, Re-Sy Nos. 64/4, 64/1-2, Muthuvallur Village, Kondotty Taluk, Malappuram District
(SIA/KL/MIN/262736/2022; 1997/EC6/2022/SEIAA)**

Sri. Naushad C.K, Kanjirathingal House, Valiyaparambu Post, Malappuram, submitted an application for Environmental Clearance through PARIVESH on 12.05.2022 for the Laterite Building Stone Quarry project for an area of 0.0972 Ha in Block No.14, Re-Sy Nos. 64/4, 64/1-2 in Muthuvallur Village, Kondotty Taluk, Malappuram District.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, and Mining Plan. After the due appraisal, the SEAC in its 129th meeting recommended to issue EC for the project life of 2 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 2 (two) 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 EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be*

provided to the SEIAA before commencing the mining activity.

- 3) Green belt development in the buffer should be done during the first year itself using indigenous species of trees and it should be nurtured and maintained in subsequent years.*
- 4) Appropriate drainage arrangement from the mine pit should be ensured.*
- 5) The CER should be implemented as per Rules.*
- 6) Transportation of mined material should not be done during the peak hours in the forenoon and afternoon*
- 7) 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 local self Govt. Institutions. 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.*
- 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 Hon'ble 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) The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.21

Environment Clearance for the Granite Building Stone Quarry of Sri. Abbas Haji B. K., for an area of 0.4916 Ha in Re-Sy Nos. 82/2C, 82/2D Panayal Village, Hosdurg Taluk, Kasaragod, Kerala (SIA/KL/MIN/266053/2022, 2004/EC2/2022/SEIAA

Sri. Abbas Haji B K, Chirakkal, Panavayal P.O, Kasargod 671318 vide application received on 28.04.2022, sought Environmental Clearance for the proposed Granite Building Stone Quarry for an area of 0.4916 Ha in Re-Sy Nos. 82/2C, 82/2D, Panayal Village, Hosdurg Taluk, Kasaragod, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. 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, the SEAC in its 129th meeting recommended EC with the project life of 3 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 3 (three) 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 EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
- 4. Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years.*
- 5. Compensatory afforestation should be initiated prior to the commencement of mining for the trees removed from the project site with indigenous species of trees and the*

geocoordinates of the afforested place with photographs should be incorporated in the Half-Yearly Compliance Report.

- 6. The garland canal, silt traps, siltation pond and outflow channel should be established prior to the commencement of mining.*
- 7. The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to ensure unhindered drainage of overland flow and geotagged photographs should be incorporated in the Half-Yearly Compliance Report.*
- 8. A protective wall of appropriate height should be provided for the overburden dumping site.*
- 9. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).*
- 10. A retaining wall should be provided for the dumping site to a height of about 2M*
- 11. Measures should be taken for slope protection along the section AA. The Proponent should submit an affidavit in this effect.*
- 12. The Project Proponent shall take immediate measures to close the abandoned quarry in the Project site as per the final closure plan in the approved mining plan and as per KMMC Rules within 6 months and a report from District Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of department of Mining and Geology. The compliance of this condition should also be reported in the HYCR.*
- 13. 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 local self Govt. Institutions. 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.*
- 14. 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.

15. 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 Hon'ble 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.

16. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No.22

Environmental Clearance for the Laterite Building Stone Quarry of Sri. Ambujakshan N. T for an area of 0.0971 Ha in Sy No. 32/94 in Kolathur Village, Kasaragod Taluk, Kasaragod District, Kerala (SIA/KL/MIN/266595/2022, 2021/EC2/2022/SEIAA)

Sri. Ambujakshan N. Nheruvil House, P. O., Kuttikol, Kasaragod 671541 vide application received on 04.06.2022, sought Environmental Clearance for the Laterite Building Stone Quarry project for an area of 0.0971 Ha in Sy No. 32/94, Kolathur Village, Kasaragod Taluk, Kasaragod District, Kerala.

The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, and Mining Plan. After the due appraisal, the SEAC in its 129th meeting recommended to issue EC for the project life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 1 (one) year 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 EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
3. *Green belt development in the buffer should be done during the first year itself using indigenous species of trees and it should be nurtured and maintained in subsequent years.*
4. *Appropriate drainage arrangement from the mine pit should be ensured.*
5. *The CER should be implemented as per Rules.*
6. *Transportation of mined material should not be done during the peak hours in the forenoon and afternoon*
7. *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 local self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
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 Hon'ble 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. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.23

Environmental Clearance for the Granite Building Stone Quarry Project of Sri. K. J. Baiju for an area of 0.9818 Ha in Re-Sy No.

1472/3(P) in Thekkumkara Village, Thalappilly Taluk, Thrissur District, Kerala
(SIA/KL/MIN/272377/2022; 1350/EC2/2019/SEIAA)

Sri. K. J. Baiju, Managing Partner, M/s. B&B Granites, House No.11/384, Vattai, Kundukadu P.O, Thekkumkara, Thrissur 680028, vide application submitted in PARIVESH portal on 23.05.2022 (hardcopy of application received on 17.05.2019) under EIA Notification, 2006 for the Granite Building Stone Quarry project for an area of 0.9818 Ha in Re-Sy No.1472/3(P), Thekkumkara Village, Thalappilly Taluk, Thrissur District, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. 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, the SEAC in its 129th meeting recommended EC with the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 5 (five) 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 EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Since the quarry site is located within a distance of 10 km from the Peechi-Vazhani Wildlife Sanctuary, as per OM dated 8.8.2019 of MoEF&CC, Clearance from Standing Committee of the National Board for Wildlife is mandatory for mining activity. Hence the Project Proponent is directed to obtain Clearance from Standing Committee of the National Board for Wildlife before starting any activity at the site.*
- 4. Authority makes it amply clear that EC issued does not necessarily imply that*

Wildlife clearance shall be granted to the Project Proponent and that the proposal for Wildlife clearance will be considered by the respective Authorities on its merit and decision taken accordingly. The investment made in the project if any based on this EC in anticipation of clearance from Wildlife angle shall be entirely at the cost and risk of the Project Proponent and MoEF&CC and SEIAA shall not be responsible in this regard in any manner.

- 5. The house owned by the proponent in the middle of the quarry has to be demolished and an affidavit stating that it has been demolished should be submitted prior to the commencement of mining.*
- 6. The impact of vibration due to blasting should be monitored in terms of Peak Particle Velocity and Amplitude and included in the Half Yearly Compliance Report.*
- 7. Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
- 8. The drainage channel, silt traps and collection tanks should be cleaned periodically to prevent obstruction to overland flows.*
- 9. If the abandoned quarry adjacent to the proposed project area is owned by the Proponent, the Project Proponent shall take immediate measures to close the abandoned quarry in the project site as per the final closure plan in the approved mining plan within 6 months and a report from district Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of Department of Mining and Geology. The compliance of this condition should also be reported in the HYCR. On receipt of the report, the SEAC shall verify the mine closure status.*
- 10. A copy of the EC shall be marked to IGF (WL), MoEF&CC, PCCF and Chief Wildlife Warden, Kerala, SEAC, District Collector, Thrissur and Director Mining and Geology, Department of Industries GoK, besides others for information and necessary further action.*
- 11. 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 local self Govt. Institutions. 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.

- 12. 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.*
- 13. 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 Hon'ble 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.*
- 14. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No. 24

Environmental Clearance for Granite Building Stone Quarry Project of Sri. M. H. Abdul Nousad in Sy Nos. 158/1, 158/2, 158/3, 159, Venganellor village, Thalappily Taluk, Thrissur District (SIA/KL/MIN/275580/2022; 1397/EC2/ 2019/SEIAA)

The Authority noted 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 Field Inspection Report. After the due appraisal, the SEAC in its 127th meeting recommended to issue EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority also noted that the proposed site is falls within 10km from the nearest protected area and the proponent has not submitted the proof regarding the Wildlife Clearance application before the Standing Committee of National Board of Wildlife. In this context, the Authority decided to defer the proposal for want of proof of application for Wildlife Clearance submitted before National Board of Wild Life and inform the same to Project proponent.

Item No.25 **Environmental Clearance for the proposed Granite Building Stone Quarry of Sri. Binoy Jose for an area of 1.620 Ha in Sy. No. 336/3-3, 336/3-4 & 395/1 of Alakode Village, Thodupuzha Taluk, Idukki District.**
(SIA/KL/MIN/276440/2022; 1415(A)/EC2/2019/SEIAA)

Sri. Binoy Jose, Elavumkal Veedu, Nagapuzha Post, Ernakulam - 686668, vide his application received online and the hard copy of the project received on 22.07.2019, sought Environmental Clearance EIA Notification, 2006 for the Granite Building Stone Quarry project for an area of 1.6200 Ha in Survey Nos. 336/3-3, 336/3-4 & 395/1 of Alakode Village, Thodupuzha Taluk, Idukki District. The project comes under Category B2, Activity 1(a), (i) as per the Schedule of EIA Notification 2006.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. 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, the SEAC in its 129th meeting recommended to issue EC for the project life of 7 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the project life of mine as per KMMC Rules, incorporating scheme of activities to be carried for the next 5 years.

Authority decided to issue EC initially for a period of 5 (five) years for the quantity mentioned in the approved mining plan and then to extend the EC period to cover project life of 7 years, from the date of issuance of original EC, subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has violated any EC conditions and thereby caused any damage to the environment in the project region by violating EC conditions.

The EC is subject to General Conditions and the following Additional Specific 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 EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3) Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
- 4) The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to avoid obstruction to overland drainage.*
- 5) The Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years*
- 6) The overburden dump should be protected with proper gabion wall to avoid soil erosion.*
- 7) The bottom bench should not be below the general water table.*
- 8) The transportation of mined material should not be done during the peak hours in the forenoon and afternoon.*
- 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 local self Govt. Institutions. 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) 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.

11) 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 Hon'ble 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.

12) The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No.26

Environmental Clearance for Integrated Complex “Sobha City” in Survey Nos. 217, 218, 534 to 544, 546 to 556 in Puzhakkal, Guruvayoor Road, Thrissur District, Kerala (SIA/KL/MIS/76057/2022; 1449/EC2 /2019/SEIAA)

Sri. Nisanth M. N, M/s Sobha Limited, Sarjapur-Marathahalli, Outer Ring Road, Bangalore vide application received online and the hard copy received on 12.07.19 sought Environmental Clearance under EIA Notification, 2006 for the Integrated Complex Project ‘Sobha City’ in Survey Nos. 217, 218, 534 to 544, 546 to 556, Puzhakkal Village, Kuttur Taluk, Thrissur District, Kerala.

The Authority noted that the SEAC had appraised the proposal based on Form 2, Pre-Feasibility Report, additional details/documents obtained from the proponent during appraisal, Conceptual Plan and the Field Inspection Report. After due appraisal, the SEAC in its 118th and 129th meeting recommended the issuance of EC subject to the General Conditions.

The Authority decided to confirm the decision of 114th SEIAA meeting to issue Environmental Clearance for the construction of Integrated Complex “Sobha City” with a total built-up area of 2,56,017 m² as recommended by SEAC in its 118th meeting, to cover the balance area of 27,117.41 m² after the expiry of original EC, as requested by the Project Proponent, subject to the original EC and General Conditions. The validity of the EC will be 7 years from the date of issuance of EC.

PART - 2

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.1 **Environment Clearance for Granite Building Stone Quarry of Sri. Najeem A., for an area of 0.9907 Ha in Sy No. 10/2pt, 10/4pt, 13/14pt, 13/15pt, 13/16 and 13/17pt, Veliyam Village, Kottarakkara Taluk, Kollam District of Kerala State (SIA/KL/MIN/131340/2019; 1574/EC2/2019/SEIAA)**

Mr. Najeem A, Punnavilavadakkathil Veedu, Vakkanadu P.O, Kareepra, Kollam District, Kerala- 691 509 vide application received on 14.12.2019, sought Environmental Clearance for the proposed Granite Building Stone Quarry project for an area of 0.9907 Ha in Survey No. 10/2pt, 13/17, 13/14pt, 10/4pt (Pvt. Land), 13/15pt, 13/16 (Govt. Land) of Veliyam Village, Kottarakkara Taluk, Kollam District of Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. 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. Part of the project area is government land (0.1122Ha). But NOC is given only for 0.0552 Ha which doesn't

include buffer area. After the due appraisal, the SEAC in its 129th meeting recommended to issue EC for the project life of one year only after extending the validity of NOC and obtaining NOC for the buffer area also, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue EC as recommended by SEAC after obtaining valid NOC for 0.1122 Ha including buffer area and direct the Project Proponent accordingly.

**Item No.2 Environment Clearance for Granite Building Stone Quarry of M/s Aishwarya Granites for an area of 0.6803 Ha in Re-Sy No. 121/2 part of Elamadu Village, Kottarakkara Taluk, Kollam District., Kerala
(SIA/KL/MIN/140436/2020; 1675/EC2/2020/SEIAA)**

Sri. A. M. Chackochan, Managing Partner, M/s Aishwarya Granites, Arkkannoor P.O, Elavinmoodu, Ayoor, Kollam – 691533, vide application received on 28.05.2020, sought Environmental Clearance for the proposed Granite Building Stone Quarry project for an area of 0.6803 Ha in Re-Sy. No. 121/2 part of Elamadu Village, Kottarakkara Taluk, Kollam District, Kerala.

The Authority noted the action taken by SEAC in its 115th, 117th, 123rd, 126th & 129th meetings held on different dates. The Committee in its 129th meeting examined the documents submitted by the proponent and discussed the field inspection report and decided to reject the application since there are many buildings including an M-Sand Unit located without complying to the distance norms.

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

**Item No.3 Environmental Clearance for the Laterite Building Stone Quarry Project of Sri. Anil Kumar for an area of 0.0971 Ha in Re-Sy No. 625/2B-1 of Ramamangalam Village, Muvattupuzha Taluk, Ernakulam District, Kerala
(SIA/KL/MIN/142898/2020; 1596/EC4/2020/SEIAA)**

Sri. Anil Kumar. P.S, Devasadanam Veedu, Ooramana P.O, Ernakulam, Kerala, submitted an application for EC on 13/02/2020 for the Laterite Building Stone Quarry project for an area of 0.0971 Ha in Re-Sy No. 625/2B-1 of Ramamangalam Village, Muvattupuzha Taluk, Ernakulam District, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. The Authority noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, and Mining Plan. After the due appraisal, the SEAC in its 129th meeting recommended to issue EC for the project life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 1 (one) year 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 EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Green belt development in the buffer should be done during the first year itself using indigenous species of trees and it should be nurtured and maintained in subsequent years*
- 4. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
- 5. The drain should be provided with silt traps and siltation pond and the overflow water should be drained to the nearest natural drain without any hindrance.*
- 6. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
- 7. Transportation of mined material should not be done during the peak hours in the forenoon and afternoon*

8. *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 local self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
9. *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 Hon'ble 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.*
10. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.4

Environment Clearance for the Granite Building Stone Quarry of Sri. Abdul Salim, for an area of 1.7197 Ha in Re-Sy No. 90/1pt, 90/3pt, 88/1pt, 88/2pt & 88/3pt Pullampara Village, Nedumangadu Taluk, Thiruvananthapuram District, Kerala (SIA/KL/MIN/146731/2020; 1617/EC1/2020/SEIAA)

Sri. Abdul Salim, Vilayil Veedu, Perumkuzhi P.O, Thiruvananthapuram District 695 305 submitted an application for Environment Clearance via PARIVESH on 02.03.2020 for the Granite Building Stone Quarry project for an area of 1.7197 Ha in Re- Sy No. 90/1pt, 90/3pt, 88/1pt, 88/2pt & 88/3pt Pullampara Village, Nedumangadu Taluk, Thiruvananthapuram District, Kerala.

Authority noted 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 Field Inspection Report. After the due appraisal, the SEAC in its 129th meeting recommended EC for the project life of 10 years with certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years.

Authority decided to issue Environmental Clearance initially for a period of 5 years for the quantity mentioned in the approved mining plan and then to extend the EC period to cover the project life of 10 years, from the date of issuance of original EC, subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has violated any of the EC conditions and thereby caused any damage to the Environment in the project region by violating EC conditions.

The EC is subject to General Conditions and the following Additional Specific 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 EC shall be valid from the date of execution of lease/ permit from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
3. *Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
4. *Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years.*
5. *The garland canal, silt traps, siltation pond and outflow channel should be established prior to the commencement of mining.*
6. *The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to ensure unhindered drainage of overland flow and geotagged photographs should be incorporated in the half-yearly compliance report.*
7. *Compensatory afforestation should be done with indigenous species of trees and the geocoordinates of the afforested place with photographs should be*

incorporated in the half-yearly compliance report.

- 8. Detailed water level measurement data of nearby open wells with geo coordinates should be incorporated in the half-yearly compliance report.*
- 9. The boulders present in the lower slopes of land should be removed carefully and as proposed in the respective plan submitted by the proponent to prevent any accidents due to boulder slips.*
- 10. A retaining wall of appropriate height should be provided for the overburden dumping site.*
- 11. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).*
- 12. Haulage road should be maintained well with frequent sprinkling of water.*
- 13. 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 local self Govt. Institutions. 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.*
- 14. 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.*
- 15. 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*

Hon'ble 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.

16. In the interest of residential buildings located at a distance of 51-200 mts radius from the quarry site, the Project Proponent shall attend the following:

- An impact vibration study has to be carried out through a reputed agency and the Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay within 3 months of commencing quarry operations and included in the Half Yearly Compliance Report. This study must be monitored by a committee which includes concerned ward member of Grama Panchayat and a representative of residents within 100 radius. The corrective measures have to be taken to minimize the vibration effect if any as suggested by the agency engaged for the study and the monitoring committee.*
- Priority should be given to the needs of local residences while implementing CER activities. If the need be the EMP approved shall be modified to accommodate these changes under intimation to SEAC*
- One of the local residents shall be made member of the Environmental management cell and their grievances shall be heard and addressed.*

17. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No.5

Environmental Clearance for the Laterite Building Stone Quarry of Sri. Ali N., for an area of 0.0971 Ha in Re-Survey No. 185/1 of Kattipparuthy Village, Tirur Taluk, Malappuram District, Kerala (SIA/KL/MIN/148469/2020; 1710/EC6/2020/SEIAA)

Sri. Ali N., Neyyathur House, Punnathala P.O, Kurumbathur, Malappuram – 676 552 submitted an application for Environmental Clearance through PARIVESH on 13.06.2020 for the Laterite Building Stone Quarry project for an area of 0.0971 Ha in Re-Survey No. 185/1 of Kattipparuthy Village, Tirur Taluk, Malappuram District, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. The Authority perused the proposal and noticed that the SEAC had appraised the proposal based on Form I, Pre-Feasibility Report, Mining Plan & Field inspection Report. After the due appraisal, the SEAC in its 129th meeting recommended to issue EC for the project life of 1 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 1 (one) year 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 EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Green belt development in the buffer should be done during the first year itself using indigenous species of trees and it should be nurtured and maintained in subsequent years*
- 4. No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
- 5. The drain should be provided with silt traps and siltation pond and the overflow water should be drained to the nearest natural drain without any hindrance.*
- 6. The drainage system should be cleaned and desilted periodically to facilitate unhindered drainage.*
- 7. Transportation of mined material should not be done during the peak hours*

forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).

- 8. 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 local self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 9. 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 Hon'ble 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.*
- 10. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.6

**Environmental Clearance for the Granite Building Stone Quarry Project of Sri. V. P Ramankutty, Managing Partner, M/s Kulappully Granites for an area of 0.9415 Ha in Survey No. 4/3, of Vaniyamkulam-2 Village, Ottapalam Taluk, Palakkad District, Kerala
(SIA/KL/MIN/153616/2020; 1809/EC1/2020/SEIAA)**

Sri. V. P. Ramankutty, Managing Partner, M/s Kulappully Granites, Velangeriparambil (H), Koonathara P.O, Ottappalam, Palakkad submitted an application for Environmental Clearance via PARIVESH on 19.05.2020 for the Granite Building Stone Quarry for an area of 0.9415 Ha in Survey No. 4/3, Vaniyamkulam-2 Village, Ottapalam Taluk, Palakkad District, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. 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, the SEAC in its 129th meeting recommended to issue EC for the project life of 4 years, subject to certain Specific Conditions in addition to the General Conditions.

Authority decided to issue Environmental Clearance for the project life of 4 (four) 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 EC shall be valid from the date of execution of lease/permit from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Development of the green belt all along the buffer zone using indigenous species should commence prior to the commencement of mining*
- 4. Compensatory afforestation is required as a portion of the buffer is not conducive to thick vegetation growth. Therefore, the proponent should submit the details and geo-tagged photographs of the location of land earmarked for compensatory afforestation prior to commencement of mining.*
- 5. CER proposed should be implemented during the first two years and it should be operated and maintained during the rest of the project period till the closure plan is implemented.*
- 6. Garland canal along with silt traps and siltation pond and outflow channel should be provided covering the entire project area*
- 7. The garland canal, silt traps, siltation pond, and outflow channel should be cleaned periodically to avoid any hindrance to overland drainage.*
- 8. 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 local self Govt. Institutions. 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.

- 9. 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.*
- 10. 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 Hon'ble 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.*
- 11. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.7

Environmental Clearance for the Granite Building Stone Quarry Project of M/s K. Lekshmanan Infrastructure and Industries Pvt Ltd for an area of 0.9812 Ha in Sy Nos. 222/4, 222/5, 222/28, 222/14, 229/1- 2, 229/15, 229/15-2-1, 229/15-2-2 (Pvt Land) and 222/13, 222/21, 222/23, 222/24 (Govt Land) in Chadayamangalam Village, Kottarakkara, Taluk, Kollam Kerala (SIA/KL/MIN/154110/2020; 1730/EC2/2020/SEIAA)

M/s K. Lekshmanan Infrastructures and Industries Pvt Ltd, Akkavila, Sreesarvana Nagar-200, Eravipuram P.O., Kollam submitted an application for Environmental Clearance via PARIVESH Portal on 01.06.2020 under EIA Notification, 2006 for the mining of Granite

Building Stone for an area of 0.9812 in Sy Nos. 222/4, 222/5, 222/28, 222/14, 229/1- 2, 229/15, 229/15-2-1, 229/15-2-2 (Pvt. Land) and 222/13, 222/21, 222/23, 222/24 (Govt. Land) in Chadayamangalam Village, Kottarakkara Taluk, Kollam District, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. 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, the SEAC in its 127th meeting recommended to issue EC for the project life of 3 years, subject to certain Specific Conditions in addition to the General Conditions.

In the 114th SEIAA meeting held on 25th, 26th May and 1st June 2022, Authority noticed that the Proponent submitted the Mining Plan only for one year. Hence the Authority directed the proponent to submit the approved Mining Plan with a mine life of 3 years. However, the Proponent submitted the same Mining Plan with an approved production only for the first year. **Authority noticed that the NOC is valid only for about 0.23 Ha excluding buffer area. Hence the proponent shall be directed to submit NOC for 0.4090 Ha including buffer area before issue of EC.**

In this circumstance, the Authority decided to issue Environmental Clearance for 1 (one) year for the quantity mentioned in the approved Mining Plan, subject production of valid NOC and 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 EC shall be valid from the date of execution of lease/permit from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the Half Yearly Compliance Report.*
- 4. Garland drain should be provided all around the project area with intermittent silt traps, siltation ponds and outflow channel connecting natural drain.*

5. *The garland drain along with silt traps, siltation ponds and outflow channel should be desilted periodically to avoid obstruction of overland flow and geotagged photo of the same should be uploaded in the Half Yearly Compliance Report (HYCR).*
6. *Measures incorporated in the CER should be implemented in total during the first two years and it should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
7. *The access road should be developed to ensure hindrance-free road transportation.*
8. *167 trees are proposed to be cut for quarrying operation. The area mostly has exposed rock, so compensatory afforestation should be done during the 1st year itself and the coordinates of the area with geotagged photos should be submitted in HYCR.*
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 local self Govt. Institutions. 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. *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.*
11. *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 Hon'ble 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.

12. The Project Proponent shall take immediate measures to close the abandoned quarry in the Project site as per the final closure plan in the approved mining plan and as per KMMC Rules within 6 months and a report from District Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of department of Mining and Geology. The compliance of this condition should also be reported in the HYCR.

13. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No. 8

**Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Saseendran K. for an area of 0.4609 Ha in Re-Sy Nos. 84/3, 86/1, 84/4, Atholi Village, Koyilandy Taluk, Kozhikode District, Kerala.
(SIA/KL/MIN/170028/2020; 1432/EC3/SEIAA/2020)**

Sri. Saseendran.K, Kaniyarakkal House, Kizhakkumuri P.O, Kakkodi, Kozhikode submitted an application for Environmental Clearance through PARIVESH portal on 10.09.2019 for the proposed Granite Building Stone Quarry Project for an area of 0.4609 Ha in Re-Sy Nos. 84/3, 86/1, 84/4, Atholi Village, Koyilandy Taluk, Kozhikode District, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. 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, the SEAC in its 129th meeting recommended EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 5 (five) 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 EC shall be valid from the date of execution of lease/permit from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. In the interest of residential buildings located at a distance of less than 100 mts radius from the quarry site, the Project Proponent shall attend the following:*
 - An impact vibration study has to be carried out through a reputed agency and the Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay within 3 months of commencing quarry operations and included in the Half Yearly Compliance Report. This study must be monitored by a committee which includes concerned ward member of Grama Panchayat and a representative of residents within 100 radius. The corrective measures have to be taken to minimize the vibration effect if any as suggested by the agency engaged for the study and the monitoring committee.*
 - Priority should be given to the needs of local residences while implementing CER activities. If the need be the EMP approved shall be modified to accommodate these changes under intimation to SEAC*
 - One of the local residents shall be made member of the Environmental management cell and their grievances shall be heard and addressed.*
- 4. The garland drain along with silt traps, siltation pond and outflow channel should be provided and the outflow channel should be connected to a natural drain.*
- 5. The garland canal along with silt traps; siltation pond and outflow channel should be desilted and cleaned periodically for preventing any obstructions to the flow by periodical removal of the silt deposited in the silt traps.*
- 6. The transportation of mined material should be avoided during peak hours in the forenoon and afternoon.*
- 7. Sprinkling of water should be done on the unsurfaced road prior to each movement of truck.*

8. *The green-belt development all along the buffer area should be initiated prior to the commencement of quarry operations with species of both ecological and economic value preferably the once common tree species found in the locality.*
9. *The mining will lead to a quarry pond of depth 15m which should be safeguarded against any accident.*
10. *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 local self Govt. Institutions. 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.*
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 Hon'ble 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.*

- 13. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.9

Environmental Clearance for the Laterite Building Stone Quarry of Smt. Prajeena Parayil in Block No.210, Re-Sy No. 2/106 in Padiyoor Village, Iritty Taluk, Kannur District, Kerala (SIA/KL/MIN/187772/2020; 1857/EC4/2020/SEIAA)

Smt. Prajeena Parayil, Parayil House, Padiyoor P.O., Kannur submitted an application for Environmental Clearance in SEIAA for the proposed Granite Building Stone Quarry for an area of 0.1942 Ha in Block No. 210, Re.Sy.No.2/106, Padiyoor Village, Iritty Taluk, Kannur District, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. 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 and Mining Plan. After the due appraisal, the SEAC in its 129th meeting recommended EC for a period of 2 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 2 (two) 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 EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the permit/lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Fix the boundary pillars marked with latitude and longitude firmly and submit photographs of the same.*
- 4. Green belt development in the buffer should be done using indigenous species of trees and it should be nurtured and maintained in subsequent years.*

5. *Appropriate drainage arrangement from the mine pit should be ensured.*
6. *Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).*
7. *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 local self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
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 Hon'ble 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. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.10

Environmental Clearance for Laterite Building Stone Quarry Project of Smt. Prajeena Parayil in Block No.87, Re-Sy No. 35/1638, Nuchiyad Village, Iritty Taluk, Kannur District, Kerala (SIA/KL/MIN/187777/2020) {1856/EC4/2020/SEIAA}

Smt. Prajeena Parayil, D/o Raveendran, Parayil House, Padiyoor P.O, Kannur-670703 submitted an application through PARIVESH on 13.12.2020 for Environmental Clearance in SEIAA for the Laterite Building Stone Quarry Project for an area of 0.3764 Ha in Block No. 87, Re-Sy. No. 35/1638, Nuchiyad Village, Iritty Taluk, Kannur District, Kerala.

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

and Mining Plan. After the due appraisal, the SEAC in its 129th meeting recommended EC with project life of 2 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 2 (two) 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 EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the permit/lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Green belt development in the buffer should be done in the first year of the project itself using indigenous species of trees and it should be nurtured and maintained in subsequent years*
- 4. Appropriate drainage arrangement from the mine pit should be ensured..*
- 5. Transportation of mined material should not be done during the peak hours in the forenoon and afternoon.*
- 6. 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 local self Govt. Institutions. 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 Hon'ble 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.

8. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.11

Environmental Clearance for the Laterite Stone Quarry Project of Sri. Chandrasekharan K.P. for an area of 0.3885 Ha in Re-Sy No. 3/485 of Kalliad Village, Iritty Taluk, Kannur District, Kerala (SIA/KL/MIN/195042/2021; 1886/EC4/2021/SEIAA)

Sri. Chandrasekharan K. P., Proprietor, S/o Govindan Nambiar, Pratheeksha, Kodolipram, Pattannur P.O, Kannur submitted an application for Environmental Clearance in SEIAA for the proposed Laterite Building Stone Quarry Project for an area of 0.3885 Ha in Re-Sy No. 3/485 of Kalliad Village, Iritty Taluk, Kannur District, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. 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 and Mining Plan. After the due appraisal, the SEAC in its 129th meeting recommended EC for 2 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 2 (two) 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 EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the permit/lease order should be provided to the SEIAA before commencing the mining activity.*

3. *Fix the boundary pillars marked with latitude and longitude firmly and submit photographs of the same.*
4. *Green belt development in the buffer should be done using indigenous species of trees and it should be nurtured and maintained in subsequent years*
5. *Appropriate drainage arrangement from the mine pit should be ensured.*
6. *Transportation of mined material should not be done during the peak hours in the forenoon and afternoon*
7. *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 local self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
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 Hon'ble 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. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.12

**Environmental Clearance for the Laterite Stone Quarry Project of M/s Kannur Kallukothu Thozhilali Kshema Sahakarana Sangam Ltd.in Re-Sy No. 30/1687, Chuzhali Village, Thaliparamba Taluk, Kannur District, Kerala
(SIA/KL/MIN/195424/2021; 1902/EC4/2021/SEIAA)**

M/s Kannur Kallukothu Thozhilali Kshema Sahakarana Sangam Ltd, Dharmasala, Parassinikkadavu P.O, Kannur submitted an application through PARIVESH on 29.01.2021

for Environmental Clearance for the proposed Laterite Building Stone Quarry Project for an area of 0.4047 Ha, in Re-Sy No. 30/1687, Chuzhavali Village, Thaliparamba Taluk, Kannur District, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. 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 and Mining Plan. After the due appraisal, the SEAC in its 129th meeting recommended EC for 3 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 3 year 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 EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the permit/lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Fix the boundary pillars marked with latitude and longitude firmly and submit photographs of the same.*
- 4. Green belt development in the buffer should be done using indigenous species of trees and it should be nurtured and maintained in subsequent years*
- 5. Appropriate drainage arrangement from the mine pit should be ensured.*
- 6. Transportation of mined material should not be done during*
- 7. 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 local self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*

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 Hon'ble 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. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.13

Environmental Clearance for the Laterite Building Stone Quarry of Sri. Narayanan for an area of 0.0971 Ha in Re-Sy No. 11/1A, Kolathur Village, Kasargod Taluk, Kasaragod District, Kerala (SIA/KL/MIN/203308/2021, 1915/EC2/SEIAA/2021)

Sri. Narayanan, Choorikode, Kolathur P.O, Kasargod 671541 vide application received on 03.08.2021, sought Environmental Clearance for the proposed Laterite Building Stone Quarry project for an area of 0.0971 Ha in Re-Sy No. 11/1A, Kolathur Village, Kasargod Taluk, Kasaragod District, Kerala.

The 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 and Mining Plan. After the due appraisal, the SEAC in its 129th meeting recommended EC for 1 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 1 (one) year 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 EC shall be valid from the date of execution of permit/lease from the*

Department of Mining and Geology. The copy of the permit/lease order should be provided to the SEIAA before commencing the mining activity.

- 3. Fix the boundary pillars marked with latitude and longitude firmly and submit photographs of the same.*
- 4. Green belt development in the buffer should be done using indigenous species of trees and it should be nurtured and maintained in subsequent years*
- 5. Appropriate drainage arrangement from the mine pit should be ensured.*
- 6. Transportation of mined material should not be done during the peak hours in the forenoon and afternoon*
- 7. 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 local self Govt. Institutions. A copy of the approved EMP shall be made available to the concerned Panchayat for information and implementation support.*
- 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 Hon'ble 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. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.14

**Environmental Clearance for Laterite Building Stone Quarry of Sri. Sudheesh B. for an area of 0.0971 Ha in Re-Sy No. 45/A98, 207/1H of Kolathur Village, Kasargod Taluk, Kasaragod District, Kerala
(SIA/KL/MIN/204096/2021, 1911/EC2/SEIAA/2021)**

Sri. Sudheesh. B, Kaniyamkund (H), Kolathur, Kasargod 671541 vide application received on 07.08.2021, sought Environmental Clearance for the proposed Laterite Building Stone Quarry for an area of 0.0971 Ha in Re-Sy Nos. 45/A98, 207/1H of Kolathur Village, Kasargod Taluk, Kasaragod District, Kerala.

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 and Mining Plan. After the due appraisal, the SEAC in its 129th meeting recommended EC for 1 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 1 (one) year 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 EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the permit/lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Green belt development in the buffer should be done using indigenous species of trees and it should be nurtured and maintained in subsequent years*
- 4. Appropriate drainage arrangement from the mine pit should be ensured.*
- 5. Transportation of mined material should not be done during the peak hours in the forenoon and afternoon*
- 6. 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 local self Govt. Institutions. 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 Hon'ble 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.*
- 8. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.15

**Environmental Clearance for Laterite Building Stone Quarry of Sri. T. Kunhikannan for an area of 0.0971 Ha in Re-Sy No. 32/331H of Kolathur Village, Kasargod Taluk, Kasaragod District, Kerala
(SIA/KL/MIN/204370/2021; 1913/EC2/SEIAA/2021)**

Sri. Kunhikannan, Kuyyanganam (H), PO Kolathur Kasargod, Kerala-671541 vide application received on 07.08.2021, sought Environmental Clearance for the proposed Laterite Building Stone Quarry project for an area of 0.0971 Ha in Re-Sy No. 32/331H Kolathur Village, Kasargod Taluk, Kasargod District, Kerala.

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 and Mining Plan. After the due appraisal, the SEAC in its 129th meeting recommended EC for 1 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 1 (one) year 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 EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the permit/lease order should be provided to the SEIAA before commencing the mining activity.*
3. *Green belt development in the buffer should be done using indigenous species of trees and it should be nurtured and maintained in subsequent years*
4. *Appropriate drainage arrangement from the mine pit should be ensured.*
5. *Transportation of mined material should not be done during the peak hours in the forenoon and afternoon*
6. *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 local self Govt. Institutions. 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 Hon'ble 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.*
8. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.16

Environmental Clearance for Laterite Building Stone Quarry of Sri. Achal R. M. for an area of 0.0971 Ha in Re-Sy No. 123/29pt of Kannur Village, Manjeshwar Taluk, Kasaragod District, Kerala. (SIA/KL/MIN/205831/2021; 1914/EC2/SEIAA/2021)

Sri. Achal R M, Amar House, Arjal Road, PO. Kasargod 671121 vide application received on 01.08.2021, sought Environmental Clearance for the Laterite Building Stone Quarry project for an area of 0.0971 Ha in Re-Sy No. 123/29pt of Kannur Village, Manjeshwar Taluk, Kasaragod District, Kerala.

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 and Mining Plan. After the due appraisal, the SEAC in its 129th meeting recommended EC for 1 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 1 (one) year 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 EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the permit/lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Green belt development in the buffer should be done using indigenous species of trees and it should be nurtured and maintained in subsequent years*
- 4. Appropriate drainage arrangement from the mine pit should be ensured.*
- 5. Transportation of mined material should not be done during the peak hours in the forenoon and afternoon.*
- 6. 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 local self Govt. Institutions. 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 Hon'ble 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.*
8. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.17

Environmental Clearance for Laterite Building Stone Quarry of Sri. Divakaran K. for an area of 0.0971 Ha in Re-Sy No. 200/1C of Belur Village, Vellarikkund Taluk, Kasaragod District, Kerala (SIA/KL/MIN/207633/2021; 1912/EC2/SEIAA/2021)

Sri. Divakaran K., Raikochi (H), P.O Kundamkuzhi Kasargod 671541 vide application dated 17.07.2021, sought Environmental Clearance for the Laterite Building Stone Quarry project for an area of 0.0971 Ha in Re-Survey No. 200/1C of Belur Village, Vellarikkund Taluk, Kasaragod District, Kerala.

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 and Mining Plan. After the due appraisal, the SEAC in its 129th meeting recommended EC for 1 year, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 1 (one) year 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 EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the permit/lease order should be*

provided to the SEIAA before commencing the mining activity.

- 3. Green belt development in the buffer should be done using indigenous species of trees and it should be nurtured and maintained in subsequent years*
- 4. Appropriate drainage arrangement from the mine pit should be ensured.*
- 5. Transportation of mined material should not be done during the peak hours in the forenoon and afternoon.*
- 6. 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 local self Govt. Institutions. 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 Hon'ble 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.*
- 8. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.18

**Environmental Clearance for the Granite Building Stone Quarry Project of M/s Nattanpara Metals LLP for an area of 3.3910 Ha in Sy No. 1998 (Not final) in Kanthalad Village, Thamarassery Taluk, Kozhikode District, Kerala
(SIA/KL/MIN/32452/2019; 1481/EC3/2019/SEIAA)**

M/s Nattanpara Metals LLP, Poyilil, Payambra P.O, Kunnamangalam, Kozhikode submitted an application for Environmental Clearance through PARIVESH portal on

30.10.2019 for the proposed Granite Building Stone Quarry Project for an area of 3.3910 Ha, in Sy No.1998 (Not final) of Kanthalad Village, Thamarassery Taluk, Kozhikode District, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noted 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 Field Inspection Report. After the due appraisal, the SEAC in its 129th meeting recommended EC for the project life of 8 years subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years.

Authority decided to issue Environmental Clearance initially for the period of 5 years for the quantity mentioned in the approved mining plan and then to extend the EC period to cover project life of 8 years, from the date of issuance of original EC, subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has violated any of the EC conditions and thereby caused any damage to the Environment in the project region by violating EC conditions.

The EC is subject to General Conditions and the following Additional Specific 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 EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Since the quarry site is located within a distance of 10 km from Malabar Wildlife Sanctuary, as per OM dated 8.8.2019 of MoEF&CC, Clearance from Standing Committee of the National Board for Wildlife is mandatory for mining activity. Hence the Project Proponent is directed to obtain Clearance from Standing Committee of the National Board for Wildlife before starting any activity at the*

site.

4. Authority makes it amply clear that EC issued does not necessarily imply that Wildlife clearance shall be granted to the Project Proponent and that the proposal for Wildlife clearance will be considered by the respective Authorities on its merit and decision taken accordingly. The investment made in the project if any based on this EC in anticipation of clearance from Wildlife angle shall be entirely at the cost and risk of the Project Proponent and MoEF&CC and SEIAA shall not be responsible in this regard in any manner.
5. Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.
6. Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years.
7. Compensatory afforestation should be initiated prior to the commencement of mining and it should be done for shortage of green belt in the buffer zone and for the trees removed from the project site with indigenous species of trees and the geocoordinates of the afforested place with photographs should be incorporated in the half-yearly compliance report.
8. The garland canal, silt traps, siltation pond and outflow channel should be established prior to the commencement of mining.
9. The garland canal, silt traps, siltation pond and outflow channel should be desilted periodically to ensure unhindered drainage of overland flow and geotagged photographs should be incorporated in the half-yearly compliance report.
10. A protective wall of appropriate height should be provided for the overburden dumping site.
11. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
12. In the interest of residential buildings located at a distance of less than 100-200 mts radius from the quarry site, the Project Proponent shall attend the following:

- *An impact vibration study has to be carried out through a reputed agency and the Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay within 3 months of commencing quarry operations and included in the Half Yearly Compliance Report. This study must be monitored by a committee which includes concerned ward member of Grama Panchayat and a representative of residents within 100 radius. The corrective measures have to be taken to minimize the vibration effect if any as suggested by the agency engaged for the study and the monitoring committee.*
 - *Priority should be given to the needs of local residences while implementing CER activities. If the need be the EMP approved shall be modified to accommodate these changes under intimation to SEAC*
 - *One of the local residents shall be made member of the Environmental management cell and their grievances shall be heard and addressed.*
13. *A copy of the EC shall be marked to IGF (WL), MoEF&CC, PCCF and Chief wild life Warden, Kerala, SEAC, District collector, Kozhikode and Director Mining and Geology, Department of Industries GOK, besides others for information and necessary further action.*
14. *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 local self Govt. Institutions. 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.*
15. *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.

16. 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 Hon'ble 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.

17. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No.19

**Environment Clearance for the Granite Building Stone Quarry of Sri. K. Chackochan, for an area of 0.7815 Ha in Sy Nos. 302/1/5B & 302/226/323 of Vilakudy Village, Pathanapuram Taluk, Kollam District
(SIA/KL/MIN/38606/2019, 1460/EC2/2019/SEIAA)**

Sri. K Chackochan, Valiyavila Veedu, Makkannoor, Kottavattom Post, Punalur, Kollam District, Kerala – 691322 vide application received on 03.07.2019, sought Environmental Clearance for the proposed Granite Building Stone Quarry project for an area of 0.7815 in Sy Nos. 302/1/5B & 302/226/323 Vilakudy Village, Pathanapuram Taluk, Kollam District of Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. 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, the SEAC in its 129th meeting recommended EC with project life of 3 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 3 (three) 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 EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay within three months and included in the Half Yearly Compliance Report. This study must be monitored by a committee which includes concerned ward member of Grama Panchayat and a representative of residents within 100 radius.*
- 4. Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
- 5. Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years.*
- 6. Compensatory afforestation should be initiated prior to the commencement of mining for the trees removed from the project site with indigenous species of trees and the geocoordinates of the afforested place with photographs should be incorporated in the half-yearly compliance report.*
- 7. The garland canal, silt traps, siltation pond and outflow channel should be provided considering the entire project area and prior to the commencement of mining to ensure unhindered overland drainage.*
- 8. The drainage along with silt traps, siltation pond and outflow channel should be desilted and cleaned periodically and geotagged photograph should be incorporated in the Half Yearly Compliance Report.*
- 9. Transportation of mined material should not be done during the peak hours in the*

forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).

- 10. If the abandoned quarry adjacent to the proposed project area is owned by the Proponent, the Project Proponent shall take immediate measures to close the abandoned quarry in the project site as per the final closure plan in the approved mining plan within 6 months and a report from district Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of Department of Mining and Geology. The compliance of this condition should also be reported in the HYCR. On receipt of the report, the SEAC shall verify the mine closure status.*
- 11. 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 local self Govt. Institutions. 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.*
- 12. 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.*
- 13. 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 Hon'ble 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.

14. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No.20

**Environmental Clearance for the Granite Building Stone Quarry of Sri. Aboobacker O. for an area of 1.4061 Ha in Survey Nos. 176, 177/1 & 131 (P) Pattithara Village, Pattambi Taluk, Palakkad District, Kerala
(SIA/KL/MIN/41414/2019, 1563/EC1/2019/SEIAA)**

Sri. Aboobacker O., S/o. Kunhavarani, Oravil House, Angadi Post, Angadi, Pattambi, Palakkad District – 679 552, submitted an application for Environmental Clearance via PARIVESH on 13.12.2019 for the Granite Building Stone Quarry project for an area of 1.4061 Ha in Survey Nos. 176, 177/1 & 131 (P) Pattithara Village, Pattambi Taluk, Palakkad District, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noted 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 Field Inspection Report. After the due appraisal, the SEAC in its 129th meeting recommended EC with the project life of 6 years subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years.

Authority decided to issue Environmental Clearance initially for the period of 5 years for the quantity mentioned in the approved mining plan and to extend the EC period to cover project life of 6 years, from the date of issuance of original EC, subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has violated any of the EC conditions and thereby caused any damage to the Environment in the project region by violating EC conditions.

The EC is subject to General Conditions and the following Additional Specific 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 EC shall be valid from the date of execution of lease/permit from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The maximum depth of mining should be limited to 85m above MSL instead of 75m above MSL as per the mine plan approved. Accordingly the total mineable reserve should be limited.*
- 4. The Proponent should submit a sworn affidavit stating that the mining will not be done beyond the depth of 85m above MSL so that the quarry pond developed at the end of mining will have only a depth of 10m below ground level.*
- 5. The Proponent should submit the safe yield of the bore well proposed to be used for the project and its geocoordinates prior to the commencement of mining.*
- 6. The garland canal, silt traps, siltation pond and outflow channel should be provided prior to the commencement of mining.*
- 7. The drainage along with silt traps, collection tanks and outflow channel should be desilted and cleaned periodically and geotagged photograph of the same should be incorporated in the half yearly compliance report.*
- 8. Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
- 9. Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years.*
- 10. Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay and included in the half yearly compliance report.*
- 11. Transportation of mined material should not be done during the peak hours in the*

forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).

- 12. The OB dumping site should be provided with protection wall.*
- 13. The Project Proponent shall take immediate measures to close the abandoned quarry in the Project site as per the final closure plan in the approved mining plan and as per KMMC Rules within 6 months and a report from District Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of department of Mining and Geology. The compliance of this condition should also be reported in the HYCR.*
- 14. 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 local self Govt. Institutions. 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.*
- 15. 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.*
- 16. 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 Hon'ble 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.

17. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No.21 **Expansion of Granite Building Stone Quarry Project of M/s Payyoli Granites Pvt Ltd in Re-Sy Nos. 80/1A1, 81/2 of Keezhariyur Village and Re-Sy No.72 of Thurayur Village, Koyilandy Taluk, Kozhikode District, Kerala**
(SIA/KL/MIN/42946/2019; 1473/EC3/2019/SEIAA)

Sri. Issac Jacob, Managing Director, M/s Payyoli Granites Pvt Ltd, Thankamala Estate, Keezhariyur P.O, Kozhikode, submitted an application for Environmental Clearance in SEIAA through PARIVESH portal on 29.10.2019 for the expansion of existing Granite Building Stone Quarry Project for an area of 4.9237 Ha in Re-Sy Nos. 80/1A1, 81/2 of Keezhariyur Village, and Re-Sy No. 72 of Thurayur Village of Koyilandy Taluk, Kozhikode District, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. Authority noted 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 Field Inspection Report. After the due appraisal, the SEAC in its 129th meeting recommended EC for a project life of 10 years with certain Specific Conditions in addition to the General Conditions.

The Authority noted that for the sustainable management of quarry operations, the approved mining plan is revised every five years till the project life of mine as per KMMC Rules, incorporating scheme of activities to be carried out for the next 5 years.

Authority decided to issue Environmental Clearance initially for the period of 5 years for the quantity mentioned in the approved mining plan and then to extend the EC period to cover project life of 10 years, from the date of issuance of original EC, subject to the review by SEAC at the end of five years, to verify whether the Project Proponent has violated any of the EC conditions and thereby caused any damage to the Environment in the project region by violating EC conditions.

The EC is subject to General Conditions and the following Additional Specific 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 EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
3. *In the interest of residential buildings located at a distance of 51-200 mts radius from the quarry site, the Project Proponent shall attend the following:*
 - *An impact vibration study has to be carried out through a reputed agency and the Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay within 3 months of commencing quarry operations and included in the Half Yearly Compliance Report. This study must be monitored by a committee which includes concerned ward member of Grama Panchayat and a representative of residents within 100 radius. The corrective measures have to be taken to minimize the vibration effect if any as suggested by the agency engaged for the study and the monitoring committee.*
 - *Priority should be given to the needs of local residences while implementing CER activities. If the need be the EMP approved shall be modified to accommodate these changes under intimation to SEAC*
 - *One of the local residents shall be made member of the Environmental management cell and their grievances shall be heard and addressed.*
4. *The garland canal, silt traps, siltation pond and outflow channel should be provided prior to the commencement of mining.*
5. *The drainage along with silt traps, collection tanks and outflow channel should be desilted and cleaned periodically and geo-tagged photograph of the same should be incorporated in the half yearly compliance report.*
6. *Measures incorporated in the CER should be implemented in total during the first*

two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.

- 7. Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years.*
- 8. The proponent has to ensure that all the 11 species listed for the green belting are planted with saplings raised from seeds of a wider collection. As there is fairly larger area in their custody, planting of more diverse trees is proposed.*
- 9. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).*
- 10. The OB dumping site should be provided with protection wall.*
- 11. Sprinkling of water should be done on the un-surfaced road prior to each movement of truck.*
- 12. The proposed storm water pond should be developed before the rainy season prior to the commencement of quarrying operation.*
- 13. The blasting should not be done when the crusher is in operation.*
- 14. The maximum depth to mining should be limited to 45m above mean sea level considering the depth to groundwater table.*
- 15. 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 local self Govt. Institutions. 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.*
- 16. 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.

17. 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 Hon'ble 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.

18. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No.22

Environmental Clearance for Granite Building Stone Quarry of Sri. Madhavan Nair V. for an area of 0.8770 Ha in Re-Sy No. 41/2-2, 41/2-3, 41/3, 41/4, 41/5-3, 41/5-2, 41/4-2, 41/6, 125/1 in Elamad Village, Kottarakkara Taluk, Kollam District, Kerala (SIA/KL/MIN/43409/2019, File No.1480 /EC2/2019/SEIAA)

Sri. Madhavan Nair .V Kavalakkalpachaveedu Kavalakkapacha Thevanloor – P.O, Kollam vide application received on 14.11.2019 sought Environmental Clearance for the Granite Building Stone Quarry project for an area of 0.8770 Ha in Re - Sy. No. 41/2-2, 41/2-3, 41/3, 41/4, 41/5-3, 41/5-2, 41/4-2, 41/6, 125/1, Elamad Village, Kottarakkara Taluk, Kollam District., Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. 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, the SEAC in its 129th meeting recommended EC for the project life of 3 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 3 (three) 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 EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The proponent should back fill to reduce height on West side of pillars BP1 and BP 19 and North side of the internal road touching the face connecting pillars BP1 and BP 19.*
- 4. The garland canal, silt traps, siltation pond and outflow channel should be provided prior to the commencement of mining to facilitate unhindered overland drainage.*
- 5. The drainage along with silt traps, siltation pond, and outflow channel should be desilted and cleaned periodically and geotagged photograph should be incorporated in the half yearly compliance report.*
- 6. Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years*
- 7. Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
- 8. Compensatory afforestation should be done during the first year itself with indigenous fruit trees and the geocoordinates of the afforested place with photographs should be provided along with half yearly compliance report.*
- 9. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).*
- 10. The OB dumping site should be provided with protection wall.*
- 11. In the interest of residential buildings located at a distance of 51-200 mts radius*

from the quarry site, the Project Proponent shall attend the following:

- *An impact vibration study has to be carried out through a reputed agency and the Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay within 3 months of commencing quarry operations and included in the Half Yearly Compliance Report. This study must be monitored by a committee which includes concerned ward member of Grama Panchayat and a representative of residents within 100 radius. The corrective measures have to be taken to minimize the vibration effect if any as suggested by the agency engaged for the study and the monitoring committee.*
- *Priority should be given to the needs of local residences while implementing CER activities. If the need be the EMP approved shall be modified to accommodate these changes under intimation to SEAC*
- *One of the local residents shall be made member of the Environmental management cell and their grievances shall be heard and addressed.*

12. 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 local self Govt. Institutions. 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.

13. 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.

14. 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 Hon'ble 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.

15. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No.23

**Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Suneesh M.P, for an area of 0.9915 Ha in Re-Sy No. 57/2B2 Kolavallur Village, Thalassery Taluk, Kannur District, Kerala
(SIA/KL/MIN/44590/2019; 1501/EC3/2019/SEIAA)**

Sri. Suneesh M.P, S/o Chathu, Mavullaparambath P.O, Cheruparamba, Kannur-670693 submitted an application in SEIAA for Environmental Clearance through PARIVESH on 25.11.2019 for the proposed Granite Building Stone Quarry Project for an area of 0.9915 Ha in Re-Sy No. 57/2B2 in Kolavallur Village, Thalassery Taluk, Kannur District, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. 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, the SEAC in its 129th meeting recommended EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 5 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 EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The overburden thickness at the upper boundary of the abandoned quarry is very high. It consists of soft laterite. It should be protected prior to the commencement of mining to prevent any accidents and landslips.*
- 4. In the interest of residential buildings located at a distance of 51-200 mts radius from the quarry site, the Project Proponent shall attend the following:*
 - An impact vibration study has to be carried out through a reputed agency and the Impact of vibration due to blasting on the nearest houses and built structures should be monitored in terms of Peak Particle Velocity and amplitude for maximum charge per delay within 3 months of commencing quarry operations and included in the Half Yearly Compliance Report. This study must be monitored by a committee which includes concerned ward member of Grama Panchayat and a representative of residents within 100 radius. The corrective measures have to be taken to minimize the vibration effect if any as suggested by the agency engaged for the study and the monitoring committee.*
 - Priority should be given to the needs of local residences while implementing CER activities. If the need be the EMP approved shall be modified to accommodate these changes under intimation to SEAC*
 - One of the local residents shall be made member of the Environmental management cell and their grievances shall be heard and addressed.*
- 5. The Project Proponent shall take immediate measures to close the abandoned quarry in the Project site as per the final closure plan in the approved mining*

plan and as per KMMC Rules within 6 months and a report from District Geologist shall be produced to the effect that the final closure of quarry has been done as per the approved norms of department of Mining and Geology. The compliance of this condition should also be reported in the HYCR.

- 6. While carrying out closure operations a portion of the abandoned quarry should be retained as water harvesting structure to be used for meeting the water demand of the operational phase of the quarry including the requirement for environmental management plan.*
- 7. Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in the subsequent years.*
- 8. Compensatory afforestation should be done with indigenous fruit trees and the geo-coordinates of the afforested place with photographs should be provided along with half yearly compliance report.*
- 9. The garland canal, silt traps, siltation pond and outflow channel should be provided prior to the commencement of mining. While providing the garland canal, the potential collapse of the thick overburden should be considered and prevented.*
- 10. The drainage along with silt traps, siltation tank and outflow channel should be desilted and cleaned periodically and geo-tagged photographs should be incorporated in the half yearly compliance report.*
- 11. The mined material should not be transported during the peak hours in the forenoon and afternoon.*
- 12. Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*
- 13. 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 local self Govt. Institutions. 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.

14. 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.

15. 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 Hon'ble 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.

16. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

Item No.24

Environment Clearance for the Granite Building Stone Quarry Project of Shri. Johnny Roy, M/s. Ronco Granite Private Limited for an area of 3.8316 Ha. (9.4678 Acres) in Sy Nos. 526/4B3, 527/2A2, 527/2A3, 527/5-1-2, 527/5-2-3, 527/5- 3-2, 527/5-4-2, 527/5-5-2, 527/5-6-2, 529/1B-2, Thirumarady Village, Muvattupuzha Taluk, Ernakulam District, Kerala. (SIA/KL/MIN/44736/2019; 1486/EC3/2019/SEIAA)

Shri. Johnny Roy. Managing Director, M/s. Ronco Granite Private Limited, 199/VII, Chirayil Building, M. C. Road, Ettumanoor P.O., Kottayam District -686631, submitted an application for EC on 04/11/2019 for an area of 3.8316 Ha. (9.4678 Acres) in Sy.

Nos.526/4B3, 527/2A2, 527/2A3, 527/5-1-2, 527/5-2-3, 527/5- 3-2, 527/5-4-2, 527/5-5-2, 527/5-6-2, 529/1B-2 of Thirumarady Village, Muvattupuzha Taluk, Ernakulam District, Kerala.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. 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, the SEAC in its 129th meeting recommended EC for the project life of 9 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority noted that as per the report received from KSDMA, after the field inspection of SEA, the project area falls in the landslide susceptible zone of the hazard zonation map published by the KSDMA. The site is located in a steep terrain (unstable slope) and is fragile. Many landslide incidences have been reported in this area. The quarrying may pose severe threat to the water sources (natural drainages and the check dams, water tanks, and a tunnel constructed to store and distribute water to inhabitants in the surrounding panchayats), settlements, and to the entire ecology of the region. Also, this area falls in the eco-sensitive zone. The KSDMA also stated that in the State Disaster Management Plan (available at <https://sdma.kerala.gov.in/disaster-managementplans/>), it is mentioned that the State Environment Impact Assessment Authority (SEIAA) should strictly consult disaster management plans and hazard susceptibility maps before issuing environmental clearance to project proposals.

Authority decided to refer back the proposal to SEAC for specific technical/scientific justification for recommendation, in the light of the report of KSDMA.

Item No.25

Environmental Clearance for the Granite Building Stone Quarry Project of Sri. V. J. Chacko, Managing Partner, M/s. Parlikkad Granites for an area of 0.9996 Ha in Survey No: 153/7 Wadakkancherry Village, Thalappilly Taluk, Thrissur District (SIA/KL/MIN/45120/2019; 1526/EC2/2019/SEIAA)

Sri. V. J. Chacko, Managing Partner, M/s. Parlikkad Granites, Parlikkad Post, Thrissur District submitted an application for Environmental Clearance in SEIAA through

PARIVESH on 04.12.2019 for the Granite Building Stone Quarry project for an area of 0.9996 Ha in Survey No. 153/7, Wadakkancherry Village, Thalappilly Taluk, Thrissur District.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. 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, the SEAC in its 129th meeting recommended EC for the project life of 3 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for the project life of 3 (three) 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 EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease order should be provided to the SEIAA before commencing the mining activity.*
- 3. The garland canal, silt traps, siltation pond and outflow channel should be provided prior to the commencement of mining to ensure adequate drainage of the area.*
- 4. The garland drain, silt traps, siltation pond, and outflow channel should be desilted and cleaned periodically and geotagged photographs should be incorporated in the half yearly compliance report.*
- 5. Green belt development in the buffer should be done in the first year of the project itself and it should be nurtured and maintained in subsequent years*
- 6. Measures incorporated in the CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total.*

7. *Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).*
8. *The OB dumping site should be provided with protection wall.*
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 local self Govt. Institutions. 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. *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.*
11. *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 Hon'ble 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.*
12. *The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.*

Item No.26

Environmental Clearance for the Granite Building Stone Quarry Project of Sri. Mohammed K. K. for an area of 2.1315 Ha in Survey Nos. 459 & 457/13, Kavanur Village, Ernad Taluk, Malappuram District

(SIA/KL/MIN/92227/2019; 1215/EC2/2019/SEIAA)

Sri. Mohammed K. K., Kodakkodan House, Poovathikkal House, Malappuram District submitted an application for Environmental Clearance in SEIAA through PARIVESH on 21.01.2019 for the Granite Building Stone Quarry Project for an area of 2.1315 Ha in Survey Nos. 459 & 457/13, Kavanur Village, Ernad Taluk, Malappuram District.

The Authority perused the proposal and noted the decisions of various SEAC meetings held on different dates. 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, the SEAC in its 129th meeting recommended EC for the project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

Authority discussed the project proposal, field inspection report and recommendation of SEAC. As per field inspection report there is a road near BP 14 and BP 15 just outside the project boundary used by the public. Distance to the road from the project boundary is not ascertained. So the Authority decided to direct the project proponent to submit survey map indicating the distance of the nearby road from the project area and the classification of road by the Village Officer or Grama Panchayat.

CONSIDERATION OF TOR PROPOSALS

Item No.1

**Environmental Clearance for the Granite Building Stone Quarry of M/s. Amala Granite Products for an area of 2.4929 Ha in Sy Nos. 14/6(P), 14/7(P), 14/8(P), 14/9(P) and 14/10(P) at Parlikkad Village, Thalappilly Taluk, Thrissur District
(SIA/KL/MIN/155091/2020; 1816/EC6/2020/SEIAA) (EC Proposal)
&
(SIA/KL/MIN/38577/2019; 1402/EC2/2019/SEIAA) (ToR Proposal)**

Decision taken in the EC Proposal, Part 1, Item No.1

PART - 3

CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE

Item No.1

**Environmental Clearance for the Laterite Building Stone Quarry Project of M/s Kannur Building Materials Co-Operative Society, in Block No. 37, Re-Sy No. 132/279, Perinthatta Village, Payyannur Taluk, Kannur District, Kerala.
(SIA/KL/MIN/187054/2020; 1855/EC4/2020/SEIAA)**

M/s Kannur Building Materials Co-operative Society Ltd. No. C 1741, Pappinissery P.O, Kannur submitted an application for Environmental Clearance through PARIVESH portal on 08.12.2020 for the proposed Laterite Building Stone Quarry Project for an area of 0.9700 Ha, in Block No. 37, Re-Sy No. 132/279, Perinthatta Village, Payyannur Taluk, Kannur District, Kerala.

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 and Mining Plan. The Committee appraised the project as per OM dated 24.6.2013, pertaining to brick earth or ordinary earth up to an area less than 5 Ha and in its 130th meeting recommended EC with project life of 5 years, subject to certain Specific Conditions in addition to the General Conditions.

The Authority decided to issue Environmental Clearance for a project life of 5 (five) 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 EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the permit/lease order should be provided to the SEIAA before commencing the mining activity.*
3. *The excavation activity associated should not involve blasting.*
4. *The excavation activity should be restricted to a maximum depth of 2m below general ground level at the site.*
5. *The excavation activity should be restricted to 2m above the ground water table at the site.*
6. *The excavation activity should not alter the natural drainage pattern of the area.*
7. *The excavated pit should be restored by the project proponent for useful purpose.*
8. *Appropriate fencing all around the excavated pit should be made to prevent any mishap.*
9. *Measures should be taken to prevent dust emission by covering of excavated earth during transportation.*
10. *Safeguards should be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth.*
11. *Workers/labourers should be provided with facilities for drinking water and sanitation.*
12. *A berm should be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.*
13. *A minimum distance of 15m from any civil structure should be kept from the periphery of the project area.*
14. *No water logging should be allowed in the mine pit. Appropriate drainage should be ensured from the project area prior to the commencement of mining.*
15. *The drain should be provided with silt traps and siltation pond and the overflow water should be clarified and drained to the nearest natural drain without any hindrance.*
16. *The drainage system should be cleaned and de-silted periodically to facilitate unhindered drainage.*

17. CER should be implemented in total during the first two years and they should be operated and maintained during the subsequent years till the mine closure plan is implemented in total
18. Transportation of mined material should not be done during the peak hours in the forenoon (8.30am to 10.30am) and afternoon (3.30pm to 5 pm).
19. 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 local self Govt. Institutions. 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.
20. 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 Hon'ble 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.
21. The violation of EC condition may lead to cancellation of EC and action under The Environment (Protection) Act 1986.

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

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

Sd/-
Sri. K.Krishna Panicker
Member, SEIAA