

# COMPLIANCE REPORT

**April 2023 – September 2023**

**M/s Nila Metals Pvt Ltd**  
**Pazhayannur (PO)**  
**Thrissur District**  
**Kerala**

**COMPLIANCE REPORT**

**TO**

**THE CONDITIONS**

**OF**

**ENVIRONMENTAL CLEARANCE ORDER NO:  
900/SEIAA/EC1/3461/2015 Dated: 16-12-2016**

**&**

**REVALIDATION OF ABOVE EC vide ORDER  
No:900/SEIAA/EC1/3461/2015 dt:15/02/2023**

*BY*

**STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY (SEIAA)**

**FOR**

**BUILDING STONE QUARRY**

**(MINOR MINERAL MINING) PROJECT**

*AT*

**PAZHAYANNUR VILLAGE, THALAPPILLY TALUK, THRISSUR  
KERALA**

*BY*

**M/S Nila Metals Pvt Ltd.,  
Pazhayannur (PO), Thrissur Dist.**

**KERALA**

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**COMPLIANCE REPORT**

**(SPECIFIC CONDITIONS)**

**PART A**

## **PART - A – SPECIFIC CONDITIONS**

<b>01</b>	<b>The Survey Number 1860/1 in which the construction of the workers shed is going on shall be fully excluded from the mining area and minimum distance of 100 meters from the periphery of the mining area shall always be kept to the building. Quantity of rock to be quarried shall be reduced to the above extent.</b>	<b>complied</b>
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### ***Compliance:***

***Survey No: 1860/1 for an area of 0.1581 Hect ( 39 cents) totally excluded from the mining area since our office ,canteen, staff quarters etc were under construction at that time , which was only 80 meter from the above said mining area. An affidavit to that effect is filed before the SEIAA on 25/11/2016 ( Copy attached )***

<b>02</b>	<b>The watercourse on the boundary of the quarry shall be maintained as such and depth of mining at that side shall be restricted to the level of maximum water flow during monsoon</b>	<b>complied</b>
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### ***Compliance:***

***Watercourse on the boundary of the quarry is a seasonal drain, which is maintained as such and there no hindrance for natural water flow. The depth of mining will not go beyond the level of water flow.***

<b>03</b>	<b>Green belt shall be developed around the area and native trees shall be planted in the unutilized land available.</b>	<b>Complied</b>
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### ***Compliance:***

***Entire mining area is covered with rubber trees, teak and other native trees. Photograph of the same is attached. The details of planted is also provided as annexure.***

04	The temporary sheds nearer to the quarry, where workers are housed should be demolished.	complied
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***Compliance:***

***Temporary workers shed demolished and removed. A certificate from the Village Officer Pazhyannur is filed before SEIAA on 31/11/2016, itself. The copy of the same is attached as Annexure.***

05	An affidavit to the effect that the above conditions shall be full filled should be executed.	Complied
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***Compliance:***

***Furnished all affidavits as insisted by SEIAA, as prior conditions for issuing EC. The copy of affidavit is attached as Annexure.***

**COMPLIANCE REPORT**

**(GENERAL CONDITIONS)**

**PART B**

## PART – B – GENERAL CONDITIONS

01	Rain Water Harvesting capacity should be installed as per the prevailing provisions of KMBR / KPBR, unless otherwise specified.	Complied
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### **Compliance:**

The proponent has developed rain water harvesting pond in the project site to collect rain water falling in the entire mining area. The storm water from all mining areas is properly channelized to this pond. It is situated in the lowest level of quarry area. The rain water is used for irrigation purposes, watering of plants, wetting of roads and for dust suppression system (mainly sprinklers system). The photograph showing the rain water collection pond in the project area is attached in **Plate No. 1**.

02	Environment Monitoring Cell (EMC) as agreed under the affidavit filed by the proponent should be formed and made functional.	Complied
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### **Compliance:**

The Environmental Monitoring Cell (EMC) formed and made functional with Mr. M.Sajith Menon as head of the monitoring cell. The EMC meeting arranges regularly for a sustainable environment. The members of EMC is mentioned below

### **ENVIRONMENTAL MONITORING CELL (EMC)**

Sl. No.	Post		Name
1.	Head of the monitoring cell	:	M.Sajith Menon
2.	Member		Kailas Nathan
3.	Member		Shibu Balan
4	Member		K.P.Rakesh
5	Neighbor of quarry		Mr.Jose

03	Suitable avenue trees should be planted along either side of the tarred road and open parking areas, if any, inclusive of approach road and internal roads.	complied
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**Compliance:**

Green belt is an important component in the mining sector. To reduce air and noise pollution, the project proponent has planted suitable avenue trees along either side of the road. There is also natural vegetation including trees, shrubs and climbers are presents in the project area. The photograph of the avenue plantation is attached as **Plate No.2**.

<b>04</b>	Maximum possible solar energy generation and utilization shall be ensured as an essential part of the project.	<b>Complied</b>
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**Compliance:**

The installation of solar panel can reduce the consumption from conventional sources therefore the project proponent has installed solar panels to use maximum renewable energy to reduce electrical consumption from KSEB. The photograph of the same is attached as **Plate No.3**.

<b>05</b>	Sprinklers shall be installed and used in the project site to contain dust emissions.	<b>Complied</b>
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**Compliance:**

The project proponent splashes the haulage road and critical areas with the help of vehicles in regular intervals to arrest dust emissions from the road while transportation of materials. The photograph of the tanker vehilce is attached as **Plate No.4**.

<b>06</b>	Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent.	<b>Noted</b>
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**Compliance:**

Eco restoration is an integral part of mining activity. The eco restoration and the mine closure plan will be done at the own cost of the project proponent.

<b>07</b>	At least 10 percent out of the total excavated pit area should be retained as water storage areas and the remaining area should be	<b>Noted</b>
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	reclaimed with stacked dumping and overburden and planted with indigenous plant species that are eco-friendly, if no other specific condition on reclamation of pit is stipulated in the EC.	
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**Compliance:**

The project proponent will retain 10 percent of total excavated pit as rain water storage area. The remaining area will be reclaimed with stacked dumping of overburden and top soil. As part of its eco – restoration plan, the project will plant indigenous plant species that are eco – friendly on the reclaimed area.

<b>08</b>	Corporate Social Responsibility (CSR) agreed upon by the proponent should be implemented.	<b>Complied</b>
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**Compliance:**

As part of inclusive growth of the community, the project proponent executes various activities under Corporate Social Responsibility/ Corporate Environmental Responsibility of the firm with the consultation of Panchayath. Provided maintenance work of waste treatment plant of Pazhayannur panchayath ,as recommended by the Governing body of the panchayath. The proof of performed CSR and year wise expenditure of CSR is attached .

<b>09</b>	The lease area shall be fenced off with barbed wires to a maximum height of 4ft around, before starting of mining. All the boundary indicators (boards, stores, markings etc) shall be protected at all times and shall be conspicuous.	<b>Complied</b>
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**Compliance:**

To demarcate the lease area, the project proponent has installed fencing around the area where lease obtained. The complete installation of barbed metal wire fencing around the mining area is with height of 4 ft. The photograph of barbed metal wire fencing and boundary pillar is provided in **Plate No.5**.

<b>10</b>	Warning alarms indicating the time of blasting (to be done at specific timings) has to be arranged as per stipulations of Explosive Department.	<b>complied</b>
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**Compliance:**

To comply condition stipulated by Explosive department and Environmental clearance order, the project proponent has installed warning alarms in the quarry site. Photograph of warning alarm and board for blasting time is attached as **Plate No. 6**.

<b>11</b>	Control measures on noise and vibration prescribed by KSPCB should be implemented.	<b>Complied</b>
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**Compliance:**

The project proponent has implemented mitigate measures. The major noise generating sources from the mining activity is working machineries, drilling, blasting and plying of vehicles. The following control measures are undertaken to bring down the noise levels:-

- Proper maintenance of machinery and equipments
- The machineries like breaker and excavator has well sound proof cabin so that the machine operators can work without stress due to the sound.
- Personal protective devices i.e., ear plugs are provided to workers working in high noise areas.
- The mining activity held in day time only.
- Noise level at quarry site checked periodically.

***Blast vibrations and control measures***

- ❖ Controlled blasting technique is adopted in this project in order to reduce blast vibrations.
- ❖ Ordinary delayed detonators are using for the blasting
- ❖ The maximum charge per delay is not more than 10kg to limit the PPV values to 10mm/sec.
- ❖ Optimum delay sequence and stem to column ratio is maintaining to minimize the ground vibration intensity.

<b>12</b>	Quarrying activities should be limited to day time as per KSPCB guidelines/specific conditions.	<b>complied</b>
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**Compliance:**

To reduce the adverse impact of the quarry to the local community, quarrying activities are limited to day time only as per KSPCB guidelines. The quarry working time is in between 6.00am to 6.00 pm. The board mentioning quarry working time is attached as **Plate No.7**.

<b>13</b>	Blasting should be done in a controlled manner as specified by the regulations of explosives department or any other concerned agency.	<b>Complied</b>
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**Compliance:**

To reduce possible accidents and adverse impact, the blasting is done in controlled manner by using NonEL. All blasting activities are carrying out with the stipulated guidelines of explosive department and other concerned agency.

<b>14</b>	A licensed person should supervise/control the blasting operations.	<b>Complied</b>
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**Compliance:**

To monitor the mining activities, the project proponent has appointed qualified licensed personals with certification of Foreman and Second Class Manager for supervise/control the blasting operations for the extraction of granite building stones. Their certificate is attached as **Annexure No.2**.

<b>15</b>	Access roads to the quarry shall be tarred to contain dust emissions that may arise during transportation of materials.	<b>Complied</b>
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**Compliance:**

The access road has tarred with a length of 100 meters and width of 9 meters. The photograph of road is attached as **Plate No. 8**.

<b>16</b>	Overburden materials should be managed within the site and used for reclamation of mine pits as per mine closure plan/ specific conditions.	<b>complied</b>
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**Compliance:**

There is no old quarry in the site for restoration. The volume of overburden materials are less in the project site. The extracted overburden is kept at designated place and will be used to restore the exploited area in future. The photograph of the OB is attached as **Plate No.9**.

<b>17</b>	Height of the benches should not exceed 5m, and width should not be less than 5m, if there is no mention in the mining plan/specific conditions.	<b>Complied</b>
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**Compliance:**

To enhance safety and to make environment friendly quarrying, the excavation activity in the project is progressing by creating benches of 5m width x 5m height. **Plate No.10** showing the work progressing in the quarry area.

<b>18</b>	Mats to reduce fly rock blast to a maximum of 10 PPV should be provided.	<b>Noted</b>
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**Compliance:**

The project proponent is using blasting mat to reduce fly rocks during blasting. The photograph of the blasting mat is attached as **Plate No.11**. The project proponent is using NoNEL for blasting therefore fly rock is been under control. The vibration of blasting is also under 10 PPV.

<b>19</b>	Maximum depth of mining from general ground level at site shall not exceed 10m.	<b>Noted</b>
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**Compliance:**

The mining depth will not exceed beyond 10 meter from general ground level

<b>20</b>	No mining operations should be carried out at places having a slope greater than 45°.	<b>Noted</b>
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**Compliance:**

No mining operation will carry out with a slope greater than 45°.

<b>21</b>	Acoustic enclosures should be provided to reduce sound amplifications in addition to the provisions of green belt and hollow brick envelop for crushers so that the noise level is kept within prescribed standards given by CPCB/KSPCB.	<b>Complied</b>
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**Compliance:**

To reduce sound amplification, the machines of crusher unit is housed with solid bricks. A green belt is also developed around the unit to reduce noise and air pollution. Photograph of Crusher is attached as **Plate No. 12**.

<b>22</b>	The workers on the site should be provided with the required protective equipments such as ear muffs, helmet, etc.	<b>Complied</b>
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**Compliance:**

The project proponent has provided adequate Personnel Protective Equipments (PPE) such as helmets, ear muffs, safety belts, gloves, etc. to labors in the quarry site in order to ensure the safety of workers in working site. The photograph of the labors with PPE is attached as **Plate No.13**.

<b>23</b>	Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.	<b>Complied</b>
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**Compliance:**

The project proponent has constructed garland drain and clarifiers at project site for clarification of storm water. the photograph of drain and clarifiers are attached as **Plate No.14**.

<b>24</b>	The transportation of minerals should be done in covered trucks to contain dust emissions.	<b>complied</b>
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**Compliance:**

The project proponent assure that the loaded trucks are covered with appropriate sheets to avoid dust emission from the vehicle while transportation of materials. The Photograph of covered truck is attached as **Plate No.15**.

<b>25</b>	The proponent should plant trees at least 5 times of the loss that has occurred while clearing the land for the project.	<b>complied</b>
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**Compliance:**

As part of concurrent eco restoration, the project proponent has planted various saplings in the project area as a compensation of loss of trees while clearing the land for mining. The project proponent has uprooted 1000 number of trees after obtaining EC and planted 500 number of tree saplings.

<b>26</b>	Disposal of spent oil from diesel engines should be as specified under relevant Rules/Regulations.	<b>complied</b>
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**Compliance:**

Disposal of spent oil from diesel engines will be sold only to the approved recyclers as specified under relevant Rules/Regulations. The photograph of used oil storage area is attached as **Plate No16**.

<b>27</b>	Explosives should be stored in magazines in isolated place specified and approved by the explosives department.	<b>complied</b>
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**Compliance:**

As part of safety, Explosives are stored in magazine. The magazine situated in an isolated place specified and approved by the explosives department. The area surrounded to the magazine was fenced with barbed metal wire. The photograph of the magazine is provided as **Plate No.17**.

<b>28</b>	A minimum buffer distance of 100m meter from the boundary of the	<b>complied</b>
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	quarry to the nearest dwelling unit or other structures, not being any facility for mining shall be provided.	
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**Compliance:**

To keep a safe zone to the residents, community resource and public infrastructure, the norms of Kerala State Pollution Control Board regarding the distance criteria of houses, roads, rivers and worship places is adhered by the project. The project has left 400 meter distance to the nearest house from the boundary of mining area.

<b>29</b>	100 m buffer distance should be maintained from forest boundaries.	<b>Complied</b>
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**Compliance:**

There is no forest in the 100 meter vicinity to the project site.

<b>30</b>	Consent from Kerala Pollution Control Board under Water and Air Act(s) should have been obtained before initiating activity.	<b>Complied</b>
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**Compliance:**

The Project proponent obtained “*Consent to Operate*” (Renewal) from Kerala State Pollution Control Board.

<b>31</b>	All other statutory clearances should have been obtained, as applicable, by project proponents from the respective competent authorities including that for blasting and storage of explosives.	<b>Complied</b>
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**Compliance:**

The certificates obtained from concerned statutory authorities are enclosed in **Annexure No.3 to 7.**

**TABLE NO. 3 – DETAILS OF APPROVALS OBTAINED**



Name of the Statutory approval	Name of the Statutory authority
Environmental Clearance order validity up to 15/12/2023 ( As COVID -19 extension)	State Environmental Impact Assessment Authority, Kerala
“Consent to Operate” (Renewal) validity up to 12/10/2025	Kerala State Pollution Control Board
Explosive License validity up to 31/03/2024	Ministry of Commerce & Industry – Petroleum & Explosives Safety Organization (PESO)
License for quarry operations validity up to 31/03/2024	<i>Panchayath license</i>
Lease proceeding order validity up to May-2026	<i>Mining and Geology Dept.</i>

<b>32</b>	In the case of any change(s) in the scope of the project, extent quantity, process of mining technology involved or in any way affecting the environmental parameters/impacts as assessed, based on which only the EC is issued, the project would require a fresh appraisal by this Authority, for which the proponent shall apply and get the approval of this Authority.	<b>Noted</b>
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**Compliance:**

At present there is no change in the scope of the project. The project is running as per plan submitted in Environmental Impact Assessment Authority, Kerala. The project proponent will seek for a new Environmental clearance In the case of any change(s) in the scope of the project.

<b>33</b>	The Authority reserves the right to add additional safe guard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	<b>Noted</b>
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**Compliance:**

To enhance environmental sustainability and conserve natural resources, the project is willing to add all possible additional safe guard measures subsequently if the authority found necessary.

<b>34</b>	The stipulations by Statutory Authorities under different Acts and Notifications should be complied with, including the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act 1981, The Environment (Protection) Act, 1986 the public liability (Insurance) Act, 1991 and EIA notification, 2006.	<b>Noted</b>
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**Compliance:**

The stipulated orders and directions under different act and notification including EIA notification will be scrupulously followed. A brief list of various Acts and notifications which are followed by the proponent is given below

- Kerala Minor Mineral Concession Rules, 2015.
- Mines Act, 1952
- Explosive Rules, 2008
- Kerala Panchayat Raj Act, 1994
- Water Pollution (Prevention & Control) Act, 1974
- Air Pollution (Prevention & Control) Act, 1981
- The Kerala Promotion of Tree Growth in Non-Forest Areas (Amendment) Act, 2007.
- Environment Protection Act, 1986
- EIA Notification, 2006 / 2009

<b>35</b>	The project proponent should advertise in at least two local news papers widely circulated in the region, one which (both advertisement and the newspaper) shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the Department of Environment and Climate Change, Govt. of Kerala and may also be seen on the website of the Authority at <a href="http://www.seiaakerala.org">www.seiaakerala.org</a> . The advertisement should be made within 10 days from the date of	<b>Complied</b>
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	receipt of the Clearance letter and the copy of the same signed in all pages should be forwarded to the office of this authority as confirmation.	
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**Compliance:**

As per the condition stipulated in environmental clearance order, an advertisement in two local newspapers regarding Environmental Clearance accorded to the quarry project was given within the stipulated period and the copy of the same was submitted at SEIAA Kerala. The copy of the advertisement given in two local newspapers is provided at **Annexure No.8**. The details of the news papers are given in the table.

**. Details of advertisement in news papers**

Sl. No.	News paper	Language	Date of edition
1	The Hindu	English	31.12.2016
2	Desabhimani	Malayalam	28-12-2016

<b>36</b>	A copy of the clearance letter shall be sent by the proponent to concerned Grama/District Panchayath / Municipality / Corporation / Urban Local Body and also to the Local NGO, if any from whom suggestions / representations, if any were received while processing the proposal. The Environmental Clearance shall also be put on the website of the company by the proponent.	<b>Complied</b>
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**Compliance:**

A copy of the Environment Clearance letter was submitted to the Panchayat Office. The project proponent did not receive any suggestions / representation from anywhere while the processing the proposal therefore did not give the copy of clearance latter to anyone.

<b>37</b>	<b>The proponent shall submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) and upload the status of compliance of the stipulated EC conditions</b>	<b>Complied</b>
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	including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the respective Regional Office of MoEF, Govt. of India and also to the State Environment Impact Assessment Authority (SEIAA) office.	
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**Compliance:**

The compliance report of first half is being submitted to the Directorate of Environment and Climate Change, Govt. of Kerala and also to the Regional Office of MoEF&CC, Govt. of India. The proof of the submission of compliance report is attached as **Annexure No.9**. The monitored data of Air, Water and Noise is attached as **Annexure No. 10 to 12**.

<b>38</b>	The details of Environmental Clearance should be prominently displayed in a metallic board of 3 ft x 3ft with green background and yellow letters of Times New Roman font of size of not less than 40. Sign board with extent of lease area and boundaries shall be depicted at the entrance of the quarry, visible to the public.	<b>complied</b>
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**Compliance:**

The metallic board as specified in the conditions of Environmental Clearance order of 3 ft x 3 ft with green background and yellow letters of Times New Roman font. The photograph of the same is attached as **Plate No.17**.

<b>39</b>	The proponent should provide notarized affidavit (indicating the number and date of Environmental Clearance proceedings) that all the conditions stipulated in the EC shall be scrupulously followed.	<b>Complied</b>
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**Compliance:**

An assurance in the form of affidavit was already submitted to SEIAA Kerala. The copy of the affidavit is attached as **Annexure No.9**.

<b>40</b>	No change in mining technology and scope of working should be made without prior approval of the SEIAA, No further expansion or modification in the mine shall be carried out without prior approval of the SEIAA, as applicable.	<b>Noted</b>
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**Compliance:**

The project proponent is not intending to expand the area of mine, technology and scope of working. The project proponent will appear SEIAA for Environment Clearance if the project wants to expand its scope.

<b>41</b>	The project proponent shall ensure that no natural water course and/or water resources shall be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any originating from the mine lease shall be taken.	<b>Noted</b>
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**Compliance:**

There is no such natural water course and first order stream originated from the mining area.

<b>42</b>	Monitoring of Ambient air Quality to be carried out based on the notification 2009, as amended from time to time by the Central Pollution Control Board. Water sprinkling should be increased at places loading and un loading points & transfer point to reduce fugitive emissions.	<b>Complied</b>
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**Compliance:**

The project proponent has monitored the ambient air quality as per National Ambient Air Quality Standard (NAAQS), during the time of appraisal of the project. The project proponent has increased to increase splashing of water and installation of sprinklers at loading, unloading and transfer points.

<b>43</b>	The top soil, if any, shall be temporarily stored at earmarked site(s)	<b>Complied</b>
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	only for the topsoil shall be used for land reclamation and plantation. The Over Burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only. The maximum height of the dumps shall not exceed 8m and width 20m and overall slope of the dumps shall be maintained to 45°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textiles shall be undertaken for stabilization of the bump. The entire excavated area shall be backfilled. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining.	
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**Compliance:**

To prevent the soil erosion, the top soil and overburden are stacked in designated place within the project site. Only topsoil will be used for plantation. Overburden will be used for landfill and to construct haulage roads in the mining area. The excess will be stored in a designated place as per the direction of State Environment Impact Assessment Authority (SEIAA). The Environment Monitoring Cell will monitor the execution of eco restoration.

<b>44</b>	Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dumps to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc., The drains shall be regularly de silted particularly after monsoon and maintained properly.	<b>Complied</b>
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**Compliance:**

The project proponent has constructed effective garland drains to catch all the storm water during the time of monsoon season. These channels directed the water to the rain water collection pond. All sediments and silts are settling at the bottom of the pond and only cleared water is letting out. The water from the pond can be used for splashing of water on roads to arrest the dust.

<b>45</b>	Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM <sub>10</sub> and PM <sub>2.5</sub> , such as haul road, loading and unloading points and transfer points – it shall be ensured that the Ambient Air Quality Parameters conform to the norm prescribed by the Central Pollution Control Board in this regard.	<b>Complied</b>
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**Compliance:**

The project proponent is regularly checking the air quality in the site and spraying water in critical areas prone to air pollution with the help of vehicle. The project proponent has placed mobile sprinklers in critical area to reduce the dust emission. The ambient air quality is monitored with the help of an approved laboratory at regular interval.

<b>46</b>	Fugitive dust emission from all the sources should be controlled regularly. Water spraying arrangements on haul roads, loading and unloading and at transfer point should be provided and properly maintained.	<b>complied</b>
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**Compliance:**

The project proponent has installed mobile sprinklers in critical area to reduce the dust emission. The water spraying has been carried out regularly to arrest the dust emission. The sprinklers and vehicle for water spraying is being properly maintained.

<b>47</b>	Measures should be taken for control of noise levels below 85 dBA in the work environment.	<b>Noted</b>
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**Compliance:**

The main sound generating activities in the mining industries are the playing of jack hammer, breaker, vehicles and blasting operations. The level noise from all these

activities will not go beyond 85dBA. The project proponent will take appropriate action to reduce the sound by employing possible measures. These are mentioned under the condition number 11.

<b>48</b>	A separate Environmental Management Cell with suitable qualified personal should be set up under the control of a senior executive, who will report directly to the Head of the Organization.	<b>Complied</b>
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***Compliance:***

To monitor all conditions stipulated in the Environment Clearance and environment Management Plan, the project has constituted an Environment Monitoring Cell with Mr. A G Madhavan as the head of the Cell. This cell concurrently monitors and evaluates the safeguard measures implemented in the project site.

<b>49</b>	The funds earmarked for environmental protection and CSR activities should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the State Environment Impact assessment authority (SEIAA) office.	<b>Complied</b>
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***Compliance:***

The project proponent could execute many activities under Corporate Social Responsibility (CSR) for community development. To implement these activities in a good manner, the project proponent maintain an account for keeping the funds earmarked for environmental protection and CSR.

<b>50</b>	The Regional Office of MoEF & CC located at Bangalore shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the regional Office by furnishing the requisite data/information/monitoring reports.	<b>Noted</b>
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***Compliance:***



The project proponent will extend all possible cooperation to the officers from regional office of MoEF & CC and can produce all data/information/reports when they are asking for.

<b>51</b>	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.	<b>Noted</b>
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<b>52</b>	Concealing the factual data or submission of false/ fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	<b>Noted</b>
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<b>53</b>	The SEIAA may revoke or suspend the order, for non implementation of any of the specific or this implementation of any of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	<b>Noted</b>
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**Compliance:**

The project proponent is willing to implement the conditions stipulated in the Environment Clearance order. The project proponent can execute all possible measures in the project site for the conservation of environment.

<b>54</b>	The above conditions shall prevail notwithstanding anything to the contrary, in consistent, or simplified, contained in any other permit, license or consent given by any other authority for the same project.	<b>Noted</b>
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**Compliance:**

The project proponent is giving priority to the conditions stipulated in the Environment clearance Order for its execution.

<b>55</b>	This order is valid for a period of 5 years or the expiry date of mine lease period issued by the Govt. of Kerala, whichever is earlier.	<b>Noted</b>
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<b>56</b>	The environmental clearance will be subject to the final order of the courts in any pending litigation related to the land or project, in any court of law.	<b>Noted</b>
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<b>57</b>	The mining operation shall be restricted to above ground water table and is should not intersect ground water table.	<b>Will be complied</b>
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**Compliance:**

The project proponent will restrict its mining operations above the ground water table.

<b>58</b>	All vehicle used for transportation and within the mine shall have "PUC" certificate from authorized pollution taking center. Washing of all vehicles shall be inside the lease area.	<b>complied</b>
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**Compliance:**

As part of reduce air pollution, the project proponent is monitoring the pollution level of all vehicles playing in the project site. This monitoring conducts in authorized pollution checking center. The copy of the PUC is attached as **Annexure No.10**.

<b>59</b>	Project proponent should obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water and ground water for the project.	<b>Noted</b>
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**Compliance:**

At present, the need of prior approval is not necessary to draw ground water and surface water for the project.

<b>60</b>	Regular monitoring of flow rates and water quality upstream and down streams of the springs and perennial nallahs flowing in and around the mine lease area shall be carried out and reported in the six monthly reports to SEIAA.	<b>Noted</b>
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**Compliance:**

There is no stream or springs instead of instead of a seasonal drain flowing in and around to the mine lease area. The project proponent will install de siltation trap and other mechanism to prevent sediments and wastes from the mining area entering in to the public drainage system.

<b>61</b>	Occupational health surveillance program of the workers should be under taken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	<b>Noted</b>
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**Compliance:**

The project proponent has initiated steps an occupational health surveillance program in association with Primary Health Center (PHC) of Pazhayannur Grama Panchayath for the labours working in mining area. The copy is attached as Annexure.

**Additional specific conditions as per Revalidation of existing EC vide order  
No:900/SEIAA/EC1/3461/2015 dt:15/02/2023**

<b>1</b>	The Project Proponent shall improve the drainage system especially to avoid water logging in the mine area.	<b>Complied Photo 1</b>
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<b>2</b>	The Project Proponent shall maintain and clean the garland canal, silt traps, siltation ponds and chains periodically and geo-tagged photographs of it should be submitted along with half yearly compliance reports (HYCRs).	<b>Complied Photo 2</b>
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<b>3</b>	Green belt along the southern boundary shaft be strengthened and geo-tagged photographs of the same should be submitted along with HYCRs.	<b>Complied Photo 3</b>
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<b>4</b>	The abandoned benches shall be backfilled and suitable species including fodder grass shall be planted.	<b>Noted Work in progress</b>
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<b>5</b>	Appropriate silt traps shall be provided at the mouth of the natural drain on the southern side to improve the quality of outflow water.	<b>Noted Photo 4</b>
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<b>6</b>	Though solar street lights are installed, the compliance with the 4 <sup>th</sup> general condition of the EC shall be improved by installing a solar power unit for the office building.	<b>PO photo No:5</b>
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**Compliance**

A separate Solar energy system for entire office building is under progress. PO placed and copy attached, will be completing before 31/01/2024.

<b>7</b>	The CER activities shall be implemented during the 1 <sup>st</sup> year itself and the maintenance shall be carried out during subsequent years.	<b>CER ledger Photo .6</b>
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**Compliance**

Necessary steps had been taken for the implementation of CER activities during the first year itself, with pazhayannur grama panchayath. But Pazhayannur Panchayath Instructed us to implement projects / developments under CER as per their requirement in different wards of the panchayath, on every year basis. An amount of Rs.1,75,000 expended so far under CER this year.

<b>8</b>	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	<b>NONEL Invoice Photo 7</b>
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	landslides, formation of cracks in the surrounding buildings and disturbance to human and wildlife.	
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**Compliance**

Procuring NONEL ED for blasting technology to reduce vibration of the ground.

<b>9</b>	Blasting mats should be used during rock blasting to contain the blast, prevent fly rock and suppress dust.	<b>Noted</b>
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