Building Stone Quarry Project
Block No. 29, Re-survey No. 120/10 at Manickal Village, Nedumangad Taluk, Thiruvananthapuram District

Environmental Clearance (EC) Order No. 1416/EC1/2019/SEIAA dated 27.02.2020

Half Yearly Compliance Report (HYCR) for the Period October 2022 to March 2023

Project Proponent
Adani Vizhinjam Port Private Ltd. (AVPPL)

May 2023
Ref: AVPPL/MoEF/2023-24/2437

Date: 24th May 2023

To,
Ministry of Environment Forest and Climate Change (MoEF&CC),
Regional Office (Southern Zone), Kendriya Sadan,
IVth Floor, E8F Wings, 17th Main Road, IInd Block,
Koramangala, Bangalore-560034
rosz.bng-mefcc@gov.in

Subject: Submission of Half Yearly Compliance Report (HYCR) to Conditions of Environmental Clearance (EC) for the Period October 2022 to March 2023 - Reg.

Reference: EC for Building Stone Quarry in Block No. 29, Re-Survey No. 120/10 at Manickal Village, Nedumangad Taluk, Thiruvananthapuram District, Kerala; by M/s. Adani Vizhinjam Port Pvt. Ltd. vide No. 1416/EC1/2019/SEIAA dated 27.02.2020

Dear Sir/Madam,

This is with reference to the Environmental Clearance (EC) Order No. 1416/EC1/2019/SEIAA issued on 27th February 2020 (vide reference cited) by the State Environmental Impact Assessment Authority (SEIAA), Kerala for the building stone quarry project in Block No. 29, Re-Survey No. 120/10 in Manickal Village, Nedumançad Taluk, Thiruvananthapuram District, Kerala; of M/s. Adani Vizhinjam Port Pvt. Ltd. (AVPPL).

The Half Yearly EC Compliance Report (HYCR) of the conditions stipulated in the cited reference for the period from October 2022 to March 2023 is enclosed herewith for record and reference. You are requested to kindly acknowledge receipt of the same.

Thanking You.

Yours Sincerely,

Rajesh Jha
MD & CEO – Authorized Signatory

Enclosed: As mentioned above

Copy to: State Environment Impact Assessment Authority (SEIAA), K.S.R.T.C Bus Terminal Complex, 4th Floor, Thamparpan, Thiruvananthapuram, Kerala

Adani Vizhinjam Port Pvt Ltd
3rd Floor, Aspinwall House,
Kuravankonam
Thiruvananthapuram,
Kerala-695003

Tel +91 471 2772 100
Fax +91 471 2325 600
project.vizhinjam@adani.com
www.adani.com
CIN: U612006J2015PTC083954

Registered Office:
Adani Corporate House, Shantigram, Near Vaishno Devi Circle, S. G. Highway, Khodiyar, Ahmedabad-382421
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<tr>
<td>1</td>
<td>The Proponent shall follow the directions given by the District Collector, Thiruvananthapuram vide his NOC No. 137/127325/18 dated 13.07.2018. The copy of the NOC may also be enclosed with the EC.</td>
<td>Complied Adani Vizhinjam Port Pvt. Ltd. (AVPPL) will follow the directions given by the District Collector, Thiruvananthapuram vide NoC No. B7-127329/18 dated 13.07.2018. Copy of the NoC was submitted along with Half Yearly Compliance Report (HYCR) for the period October 2021 to March 2022. The NoC was further renewed on the same terms and conditions vide NoC No. B7-127329/18 dated 04.01.2020 (Copy of the renewed NoC was submitted along with HYCR for the period October 2021 to March 2022).</td>
</tr>
<tr>
<td>2</td>
<td>Activities relating to Corporate Environmental Responsibility amounting to Rs. 1.64 lakhs shall be carried out leading to protection and promotion of environment including waste management in the project district as per OM FNo.22-65/2017-IA-III dt.01.05.2018 of MoEF&amp;CC as directed by Director, Directorate of Environment &amp; Climate Change and supervised by District Collector.</td>
<td>Being Complied A total of Rs. 1.64 Lakhs will be spent on Corporate Environment Responsibility (CER) with expense heads under specific activities leading to protection and promotion of environment in line with Ministry of Environment and Forests &amp; Climate Change (MoEF&amp;CC) Office Memorandum (OM) F.No.22-65/2017-IA.III dated 01.05.2018. Till 31.03.2023, an amount of Rs. 1.49 Lakhs has been spent towards CER Activities.</td>
</tr>
<tr>
<td>3</td>
<td>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.</td>
<td>Being Complied AVPPL commenced operation on 23.03.2022. AVPPL will carry out quarrying as per the Approved Mining Plan (submitted along with HYCR for the period October 2021 to March 2022) and will strictly follow the Kerala Minor Mineral Concession Rules (KMMCR), 2015 and amendments. During the compliance period (October 2022 to March 2023), a total of 0.269 Lakh Tons of building stones have been extracted and a total cumulative quantity of 0.719 Lakh Tons of building stones have been extracted from inception of mining on 23.03.2022 till 31.03.2023.</td>
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### General Conditions

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<td>4</td>
<td>In the wake of occurrence of large scale landslides in the state, as per the information provided by the Department of Mining &amp; 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.</td>
<td><strong>Complied</strong>&lt;br&gt;Mining is being conducted using Non-Electric Detonator (NONE) method of Blasting only to minimize the air blast, fly rock and ground vibration. The Ignition will be the Non- Conventional and Eco-Friendly method by NONEL.</td>
</tr>
<tr>
<td>5</td>
<td>As per the directions contained in the OM F.No. 22-34/2018-IA.III dated 16th January 2020 issued by MoEF &amp;CC, in obedience to the directions of the Honourable Supreme Court the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the half yearly compliance report which will be monitored by SEAC at regular intervals.</td>
<td><strong>Will be Complied</strong>&lt;br&gt;AVPPL shall undertake plantation as per Progressive Mine Closure Plan, which is included in the Approved Mining Plan (submitted along with HYCR for the period October 2021 to March 2022) as per KMMCR, 2015. AVPPL shall also undertake re-grassing in any other area which may have been disturbed due to mining activities to restore the land to a condition fit for growth of suitable flora.</td>
</tr>
</tbody>
</table>

**General Conditions**

1. A separate environmental management and monitoring cell with qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.

   **Complied**

   An Environmental Management and Monitoring Cell (EMMC) with qualified personnel has been set up by AVPPL. The cell is under the control of the Head of Department (HoD), Environment who reports directly to the Chief Executive Officer (CEO), AVPPL. The Organizational Structure for EMMC was submitted along with HYCR for the period October 2021 to March 2022. EMMC meetings are being held regularly to monitor the environmental issues at the quarry.
### Half Yearly Compliance Report (HYCR) on Conditions Stipulated in Environmental Clearance (EC) Order No. 1416/EC1/2019/SEIAA dated 27.02.2020 for the Period October 2022 to March 2023

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<td>2</td>
<td>Suitable avenue trees should be planted along either side of the tarred road and open parking areas, if any, including of approach road and internal roads.</td>
<td><strong>Complied</strong>&lt;br&gt;AVPPL has planted avenue trees at suitable locations like buffer zones, etc. for greenbelt development. A safety barrier area of 7.5 m from the boundary shall be developed as a greenbelt area by planting the local species.</td>
</tr>
<tr>
<td>3</td>
<td>Sprinklers shall be installed and used in the project site to contain dust emissions.</td>
<td><strong>Complied</strong>&lt;br&gt;Regular water sprinkling through water tankers is being carried out on haul roads and other dust prone areas such as loading and unloading of minerals.</td>
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<td>4</td>
<td>Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent</td>
<td>Will be Complied Eco-restoration as per Mine Closure Plan is provided in the Approved Mining Plan (submitted along with HYCR for the period October 2021 to March 2022). The same shall be implemented during the closure at the cost of AVPPL.</td>
</tr>
<tr>
<td>5</td>
<td>In view of the deep pits left after the excavation, stacking at maximum top level should be carried out.</td>
<td>Complied Stacking of materials is not being carried out as all the produced materials are used for Breakwater Construction at Vizhinjam Seaort and are being transported directly to the Port site and not stacked at the quarry site.</td>
</tr>
<tr>
<td>6</td>
<td>Corporate Environment Responsibility agreed upon by the proponent should be implemented.</td>
<td>Being Complied Rs. 1.64 Lakhs will be spent on CER with expense heads under specific activities leading to protection and promotion of environment in line with Ministry of Environment and Forests &amp; Climate Change (MoEF&amp;CC) Office Memorandum (OM) F.No.22-65/2017-IA.III dated 01.05.2018. Till 31.03.2023, an amount of Rs. 1.49 Lakhs has been spent on CER Activities.</td>
</tr>
<tr>
<td>7</td>
<td>The project proponent shall comply the conditions stipulated by the statutory authorities concerned.</td>
<td>Being Complied AVPPL is complying with all applicable conditions stipulated by respective competent statutory authorities.</td>
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Water Sprinkling
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<td>8</td>
<td>Tarring /multiple options on the access roads shall be undertaken so as to reduce dust pollution during movement of vehicle.</td>
<td>CompliedAVPPL has developed a tar road of around 0.8 km from the quarry project site to Pirappancode Road (which is connected to Main Central (MC) Road – State Highway (SH)-1) for movement of vehicles to reduce the air pollution.</td>
</tr>
<tr>
<td></td>
<td><img src="image.png" alt="Tarred Road developed by AVPPL" /></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Overburden materials should be managed within the site and used for reclamation of mine pit as per mine closure plan / specific conditions</td>
<td>CompliedAs such, the quarry had been mined earlier by another party and since this is already an open mine, there was minimal topsoil or overburden available in the quarry; all the produced materials are being used for Breakwater Construction at Vizhinjam Port and there would be no generation of waste.</td>
</tr>
<tr>
<td>10</td>
<td>Height of benches should not exceed 5 m, and width should</td>
<td>CompliedAs per the Approved Mining Plan (submitted</td>
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# Half Yearly Compliance Report (HYCR) on Conditions Stipulated in Environmental Clearance (EC) Order No. 1416/EC1/2019/SEIAA dated 27.02.2020 for the Period October 2022 to March 2023

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<td>not be less than 5 m, if there is no mention in the mining plan/specific condition.</td>
<td>along with HYCR for the period October 2021 to March 2022</td>
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<tr>
<td>11</td>
<td>Ground level should be fixed in individual cases separately.</td>
<td>Complied</td>
</tr>
<tr>
<td>12</td>
<td>No mining operations should be carried out at places having a slope greater than 45.</td>
<td>Complied</td>
</tr>
<tr>
<td>13</td>
<td>Acoustic enclosures should have been 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. This condition is applicable only in such cases if a crusher is adjacent to the quarry.</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>14</td>
<td>The workers on the site should be provided with the required protective equipment such as ear muffs, helmet, etc.</td>
<td>Complied</td>
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Employee with PPE
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<td>15</td>
<td>Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.</td>
<td>Being Complied</td>
</tr>
<tr>
<td></td>
<td>Mining operations are being carried out at the top level during the compliance period. However, garland drainage/garland canals have been developed in the lower slopes all along periphery of mining area to channelize storm water and prevent the entry of rainwater in the pit. The water from garland drain shall be diverted to silt settling tanks &amp; rainwater harvesting ponds before releasing clarified water to the natural water course.</td>
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<tr>
<td>16</td>
<td>The transportation of minerals should be done in covered trucks to contain dust emissions. The proponent should plant trees at least 5 'times of: the loss: that has been occurred while clearing the land for the project. SEAC should assess the number of trees in each project site before the issuance of EC so as to ensure the promptness in, planting.</td>
<td>Complied</td>
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<td></td>
<td>The transportation of minerals in trucks is being undertaken covered with tarpaulin cover. Since this is an existing quarry which was already mined earlier, the quarry is in open condition. There was no clearing of land for the project and no trees have been cut down as there are no trees inside the lease area.</td>
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<td>17</td>
<td>Explosives should be stored in magazines in isolated place specified and approved by Explosives Department</td>
<td>Complied</td>
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<tr>
<td></td>
<td>AVPPL constructed 500 Kgs portable explosives magazine at an area called Chappath; which is 45 km away from the quarry location. AVPPL are transporting the explosives and detonators from Chappath to Manickal quarry through two authorized explosives vans for which following licenses were obtained from PESO:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Explosives magazine license E/SE/KL/22/331(E121778) dated 13.09.2021 (enclosed as Annexure 1).</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Explosives van-1 (KL01CP2414) license E/SE/KL/25/99(E135886) dated 22.09.2021</td>
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<td>(enclosed as Annexure 2).</td>
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<tr>
<td>18</td>
<td>• Explosives van-2 (KL01CP2472) license E/SE/KL/25/99(E135883) dated 22.09.2021 (enclosed as Annexure 3).</td>
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<tr>
<td></td>
<td>A minimum buffer distance of 100m from the boundary of the quarry to the nearest dwelling unit or other structures, not being any facility for mining shall be provided.</td>
<td>Complied</td>
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<td></td>
<td>As per the Government of Kerala (GoK) State Gazette Notification G.O. (P) No. 25/2017/ID dated 22.06.2017, permit holder shall not carry on or allow to be carried on any quarrying operations at or to any points within 50 m from any residential buildings or from the nearest dwelling unit or other structures. Also, as per the Consent to Operate (CTO) obtained from KSPCB, quarrying activities are restricted to a distance more than 50 m from the nearby residential buildings. Further, DMG had communicated to SEIAA vide its letter No. 9363/M3/2018 dated 23.03.2019 (submitted along with HYCR for the period October 2021 to March 2022) that as per Rule 40 1(i) of the KMMC Rules, the lessee is permitted to carry out mining at 50 m from the residential houses. As per the map prepared by the village officer, the nearest house is 57.7 m from the boundary of the quarry.</td>
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<td></td>
<td>50 m buffer distance should be maintained from forest boundaries.</td>
<td>Not Applicable</td>
</tr>
<tr>
<td></td>
<td>There are no forests or forest lands in the vicinity of the project site.</td>
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<tr>
<td>20</td>
<td>Consent from Kerala State Pollution Control Board under Water and Air Act(s) should be obtained before initiating mining activity.</td>
<td>Complied</td>
</tr>
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<td></td>
<td>CTO has been obtained from Kerala State Pollution Control Board (KSPCB) vide Consent No. PCB/TVM-DO/ICO/NDD/QRY/29/2020 dated 16.03.2020 valid up to 26.02.2025 (A copy of the same was submitted along with Letter No. AVPPL/MOEF/2020-21/1127 dated 13.05.2020 (submitted along with HYCR for the period October 2021 to March 2022).</td>
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<tr>
<td>21</td>
<td>All other statutory clearances should be obtained, as</td>
<td>Complied</td>
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<td></td>
<td>AVPPL have obtained all applicable statutory</td>
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Adani Vizhinjam Port Private Limited (AVPPL)
From: October 2022
To: March 2023
Building Stone Quarry Project in Block No. 29, Re-survey No. 120/10 at Manickal Village, Nedumangad Taluk, Thiruvananthapuram District


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<td>applicable, by project proponents from the respective competent authorities including that for blasting and storage of explosives.</td>
<td>clearance from the respective competent authorities. The following clearances have been obtained:</td>
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<td></td>
<td>• Approved Mining Plan by District Geologist, Thiruvananthapuram vide Letter No. 362/DOT/ML/18 dated 24.07.2019 (Copy was submitted along with HYCR for the period October 2021 to March 2022).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• No Objection Certificate (NoC) from Thiruvananthapuram District Collector vide Letter No. B7-127329/18 dated 13.07.2018 for Govt. land (Copy was submitted along with HYCR for the period October 2021 to March 2022).</td>
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<td>• The NoC was further renewed on the same terms and conditions vide NoC No. B7-127329/18 dated 04.01.2020 (Copy was submitted along with HYCR for the period October 2021 to March 2022).</td>
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<tr>
<td></td>
<td></td>
<td>• Directorate of Mining and Geology, Govt. of Kerala, Thiruvananthapuram has issued a Letter of Intent (LOI) vide No. 5219/M3/2019 dated 07.06.2019. Copy was submitted along with Half Yearly Compliance Report for the period October 2021 to March 2022.</td>
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<tr>
<td></td>
<td></td>
<td>• CTO has been obtained from Kerala State Pollution Control Board (KSPCB) vide Consent No.: PCB/TVM-DO/ICO/NDD/QRY/29/2020 dated 16.03.2020 valid up to 26.02.2025 (A copy of the same was submitted along with Letter No. AVPPL/DOEF/2020-21/1127 dated 13.05.2020, which has been submitted along with HYCR for the period October 2021 to March 2022).</td>
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<td>• Dangerous and Offensive Trade (D&amp;O) License (Deemed as granted vide judgment dated 13.01.2021 in WP(C). No. 274 of 2021 (submitted along with HYCR for the period October 2021 to March 2022)</td>
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<td></td>
<td>• Lease Order from DMG vide Letter No. 7671/M3/2021 dated 22.01.2022 and Lease Execution from Additional Director of Mining and Geology vide Pro. Order No. 428/2021-22/5219/M3/2019/DMG dated 22.01.2022</td>
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<td></td>
<td>• Quarrying Lease Registration Agreement in Form H at Thiruvananthapuram Registrar Office dated 28.01.2022 (submitted along with HYCR for the period October 2021 to March 2022)</td>
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<tr>
<td></td>
<td>• Explosives magazine license E/SE/KL/22/331(E121778) dated 13.09.2021 (enclosed as Annexure 1).</td>
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<td></td>
<td>• Explosives van-1 (KL01CP2414) license E/SE/KL/25/99(E135886) dated 22.09.2021 (enclosed as Annexure 2).</td>
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<td></td>
<td>• Explosives van-2 (KL01CP2472) license E/SE/KL/25/99(E135883) dated 22.09.2021 (enclosed as Annexure 3).</td>
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22. 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 E.C 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.

**Noted**

Vizhinjam seaport is a major infrastructure project of Government of Kerala (GoK) being developed by AVPPL under PPP mode. AVPPL are under tremendous pressure by GoK to complete the breakwater construction works by August 2023, it would be only possible with an increase quantity of rock supply. AVPPL proposed to increase the production capacity of Manickal Quarry to meet the timeline set by GoK for making the Vizhinjam Port operational in 2023 itself.

In this regard, AVPPL submitted an application to State Environmental Impact Assessment Authority (SEIAA), Kerala vide Proposal No. SIA/KL/MIN/292678 dated 10.10.2022 for amendment in the Environmental Clearance (EC) for modifications in the year-wise production capacity but no change in overall extraction quantity as per revised mining plan vide letter No. 362/DOT/ML/2019 dated 23.08.2022 (Annexure 4).

The State Expert Appraisal Committee (SEAC), Kerala Members visited the project site on 18.12.2022 and the proposal was considered during the 136th Meeting of SEAC, Kerala where...
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<td>the committee had some comments to not recommend the proposal. AVPPL had responded to those comments vide letter No. AVPPL/SEIAA/2022-23/2307 dated 24.01.2023 (Annexure 5). As per the revised mining plan, AVPPL were planning to extract 2.44 Lakhs MT by March 2023. As the mining plan got approval in August 2022 and SEIAA considered the proposal in January 2023, the extraction of 2.44 lakhs MT within March 2023 would not be feasible. Citing these facts AVPPL informed SEIAA of the request to DMG to change the production years, as mentioned in the revised mining plan as 1st year (2023-24) with 2,44,181 MT production and 2nd year (2024-25) with 23,062 MT production vide letter No. AVPPL/SEIAA/2022-23/2329 dated 15.02.2023 (Annexure 6). Further, SEIAA deliberated the same and instructed AVPPL to conduct a carrying capacity study and prepare a traffic management plan to cater to the increased production vide letter 1416/EC1/2019/SEIAA dated 02.03.2023 (Annexure 7), which is in progress.</td>
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<td>23</td>
<td>The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.</td>
<td>Noted</td>
</tr>
<tr>
<td>24</td>
<td>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 Noise Pollution (Regulation and Control) Act, 2000, the Forest (Conservation) Act, 1980, and the Wildlife (Protection) Act, 1972.</td>
<td>Noted</td>
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<td>25</td>
<td>The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which (both the 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 State Environment Impact Assessment Authority (SEIAA) office 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 receipt of the Clearance letter and a copy of the same signed in all pages should be forwarded to the office of this Authority as confirmation.</td>
<td>The EC for the project was issued on 27.02.2020. Details of the EC were advertised in the local newspapers published on 01.03.2020 (A copy of the same was submitted along with HYCR for the period October 2019 to March 2020). The signed EC was submitted to SEIAA vide AVPPL/SEIAA/2019-20/1083 dated 04.03.2020 (A copy of the same was submitted along with Letter No. AVPPL/MOEF/2020-21/1127 dated 13.05.2020 (submitted along with HYCR for the period October 2021 to March 2022) A copy of the EC is available with the SEIAA office and it is also available on the website of the Authority at <a href="http://www.seiaakerala.in">www.seiaakerala.in</a>. The copy of EC is also uploaded to the company website: <a href="https://www.adaniports.com/Downloads">https://www.adaniports.com/Downloads</a></td>
</tr>
<tr>
<td>26</td>
<td>The Environmental Clearance shall be put on the website of the company by the proponent.</td>
<td>Complied</td>
</tr>
<tr>
<td>27</td>
<td>Proponent shall submit half yearly reports in soft copy and SEIAA will upload it on the website.</td>
<td>Complied</td>
</tr>
</tbody>
</table>

HYCRs on the status of compliance of the stipulated clearance conditions are being submitted to all the concerned agencies. As per the Notification of Ministry of Environment and Forests & Climate Change (MoEF&CC) dated 26.11.2018, wherein submission of HYCRs by email/soft copy is declared acceptable, soft copy of HYCR for the period April 2022 to September

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Conditions</th>
<th>Compliance Status as on March 31, 2023</th>
</tr>
</thead>
<tbody>
<tr>
<td>28</td>
<td>The details of Environmental Clearance should be prominently displayed in a metallic board of 3 ft x 3 ft 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.</td>
<td>Complied</td>
</tr>
<tr>
<td></td>
<td>The details of EC have been displayed at the site next to the entrance of the quarry, visible to the public.</td>
<td></td>
</tr>
<tr>
<td></td>
<td><img src="image.png" alt="EC Details Displayed on Board at Site" /></td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>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.</td>
<td>Complied</td>
</tr>
<tr>
<td></td>
<td>AVPPL have submitted Notarized Affidavit stating that all the conditions stipulated in the EC shall be scrupulously followed was submitted to SEIAA vide SEIAA vide AVPPL/SEIAA/2019-20/1083 dated 04.03.2020. A copy of the affidavit was submitted along with Letter No. AVPPL/MOEF/2020-21/1127 dated 13.05.2020, (submitted along with HYCR for the period October 2021 to March 2022).</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>No change in mining technology and scope of working should be made without prior approval of the SEIAA. No further expansion or modifications in the mine shall be carried out without prior approval of the SEIAA, as applicable</td>
<td>Noted</td>
</tr>
<tr>
<td></td>
<td>Vizhinjam seaport is a major infrastructure project of Government of Kerala (GoK) being developed by AVPPL under PPP mode. AVPPL are under tremendous pressure by GoK to complete the breakwater construction works by August 2023, it would be only possible with an increase quantity of rock supply. AVPPL proposed to increase the production capacity of Manickal Quarry to meet the timeline set by GoK for making the Vizhinjam Port operational in 2023 itself.</td>
<td></td>
</tr>
</tbody>
</table>
### Half Yearly Compliance Report (HYCR) on Conditions Stipulated in Environmental Clearance (EC) Order No. 1416/EC1/2019/SEIAA dated 27.02.2020 for the Period October 2022 to March 2023

<table>
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<tr>
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<th>Compliance Status as on March 31, 2023</th>
</tr>
</thead>
<tbody>
<tr>
<td>31</td>
<td>The Project proponent shall ensure that no natural water course and/or water resources shall be obstructed due to any mining operations. Necessary</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

In this regard, AVPPL submitted an application to State Environmental Impact Assessment Authority (SEIAA), Kerala vide Proposal No. SIA/KL/MIN/292678 dated 10.10.2022 for amendment in the Environmental Clearance (EC) for modifications in the year-wise production capacity but no change in overall extraction quantity as per revised mining plan vide letter No. 362/DOT/ML/2019 dated 23.08.2022 (Annexure 4).

The State Expert Appraisal Committee (SEAC), Kerala Members visited the project site on 18.12.2022 and the proposal was considered during the 136th Meeting of SEAC, Kerala where the committee had some comments to not recommend the proposal. AVPPL had responded to those comments vide letter No. AVPPL/SEIAA/2022-23/2307 dated 24.01.2023 (Annexure 5).

As per the revised mining plan, AVPPL were planning to extract 2.44 Lakhs MT by March 2023. As the mining plan got approval in August 2022 and SEIAA considered the proposal in January 2023, the extraction of 2.44 lakhs MT within March 2023 would not be feasible. Citing these facts AVPPL informed SEIAA of the request to DMG to change the production years, as mentioned in the revised mining plan as 1st year (2023-24) with 2,44,181 MT production and 2nd year (2024-25) with 23,062 MT production vide letter No. AVPPL/SEIAA/2022-23/2329 dated 15.02.2023 (Annexure 6). Further, SEIAA deliberated the same and instructed AVPPL to conduct a carrying capacity study and prepare a traffic management plan to cater to the increased production vide letter 1416/EC1/2019/SEIAA dated 02.03.2023 (Annexure 7), which is in progress.

The Project proponent shall ensure that no natural water course and/or water resources shall be obstructed due to any mining operations. Necessary

<table>
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</tr>
</thead>
<tbody>
<tr>
<td>32</td>
<td>The top soil, if any, shall temporarily be stored at earmarked site(s) 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. 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 dump. The entire excavated area shall be backfilled. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining.</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>33</td>
<td>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 desilted particularly after monsoon and maintained properly.</td>
<td>Being Complied</td>
</tr>
<tr>
<td>34</td>
<td>Effective safeguard measures such as- regular water</td>
<td>Being Complied</td>
</tr>
</tbody>
</table>
### Half Yearly Compliance Report (HYCR) on Conditions Stipulated in Environmental Clearance (EC) Order No. 1416/EC1/2019/SEIAA dated 27.02.2020 for the Period October 2022 to March 2023

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<tr>
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</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>sprinkling shall be carried out in critical areas prone to air pollution and having’ high levels. ‘of PM 10, and PM 2.5, such as haul Road, loading and unloading points and transfer points— it shall ‘be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard</td>
<td>on haul road and other dust prone areas such as loading and unloading of minerals is being carried out. Environment Monitoring at the site has been carried out by NABL accredited laboratory; M/s. Standards Environmental &amp; Analytical Laboratories. Summary of the Ambient Air Quality Monitoring (AAQM) during the compliance period at 5 monitoring locations is mentioned below.</td>
</tr>
<tr>
<td></td>
<td>Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained</td>
<td>Being Complied AVPPL has developed a tar road of around 0.8 km from the quarry project site to Pirappananacode Road (which is connected to MC Road) for movement of vehicles; thereby reducing the dust pollution. Also, regular water sprinkling through water tankers on haul road and other dust prone areas such as loading and unloading of minerals is being carried out.</td>
</tr>
</tbody>
</table>
|        | Measures should be taken for control of noise levels below 85 dBA in the work environment. | Being Complied The following measures are being taken for the control of noise levels:  
- Drilling: Good captive silencers are being used in drilling equipment.  
- Blasting: AVPPL uses the NONEL method - bottom initiation to reduce the noise of blasting.  
- Machinery & Tippers: It is ensured that equipment is fitted with effective silencers, mufflers, acoustic linings, or shields, as necessary. |

#### Ambient Air Quality Monitoring

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Unit</th>
<th>Max</th>
<th>Min</th>
<th>Perm. Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM$_{10}$</td>
<td>µg/m$^3$</td>
<td>62.1</td>
<td>47.2</td>
<td>100</td>
</tr>
<tr>
<td>PM$_{2.5}$</td>
<td>µg/m$^3$</td>
<td>35.9</td>
<td>25.7</td>
<td>60</td>
</tr>
<tr>
<td>SO$_2$</td>
<td>µg/m$^3$</td>
<td>BDL</td>
<td>-</td>
<td>80</td>
</tr>
<tr>
<td>NO$_2$</td>
<td>µg/m$^3$</td>
<td>BDL</td>
<td>-</td>
<td>80</td>
</tr>
</tbody>
</table>

The Ambient Air Quality Monitoring Report is enclosed as Annexure 9. All the monitored parameters were found within the prescribed limits.
### Half Yearly Compliance Report (HYCR) on Conditions Stipulated in Environmental Clearance (EC) Order No. 1416/EC1/2019/SEIAA dated 27.02.2020 for the Period October 2022 to March 2023

<table>
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</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• It is ensured that vehicles transporting the materials follow the speed limit to maintain the noise level.</td>
<td>Complied</td>
</tr>
<tr>
<td></td>
<td>• Vehicles are serviced regularly and maintained properly to avoid any unwanted generation of noise or vibration from them.</td>
<td></td>
</tr>
</tbody>
</table>

Ambient Noise is being monitored by NABL and MoEF&CC accredited laboratory; M/s. Standards Environmental & Analytical Laboratories as per Noise Pollution (Regulation & Control) Rules, 2000 (Rules 3 (1) and 4(1)) at 5 locations. Summary of the Ambient Noise Monitoring during the compliance period at 5 monitoring locations is mentioned below:

<table>
<thead>
<tr>
<th>Location</th>
<th>$L_{eq}$ Day time</th>
<th>$L_{eq}$ Night time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project Site</td>
<td>59.1</td>
<td>41.0</td>
</tr>
<tr>
<td>St. Johns Hospital, Manikkal</td>
<td>51.9</td>
<td>40.3</td>
</tr>
<tr>
<td>Govt. L P School, Perumala</td>
<td>51.4</td>
<td>40.8</td>
</tr>
<tr>
<td>Kovilvila Sre Mahavishnu Temple</td>
<td>50.6</td>
<td>40.3</td>
</tr>
<tr>
<td>Operators Rest Room</td>
<td>50.4</td>
<td>39.5</td>
</tr>
</tbody>
</table>

The results obtained were compared with Noise Pollution (Regulation & Control) Rule, 2000 (Rule 3(1) and 4(1)) and it is observed that the noise readings were within limits at all monitoring locations. The Noise Monitoring report is enclosed as Annexure 10.

37 The funds earmarked for environmental protection measures and CER activate 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.

Complied

AVPPL has entered into a Concession Agreement with GoK for the construction and operation of Vizhinjam Port whereby it is mandated under Article 32 (submitted along with HYCR for the period October 2021 to March 2022) that an Escrow Account must be opened by AVPPL. All deposits must be made into this account and all payments must be routed through this account for the construction of the port. This account is directly under the monitoring of both the Central and State governments through the Senior Lenders.
### Half Yearly Compliance Report (HYCR) on Conditions Stipulated in Environmental Clearance (EC) Order No. 1416/EC1/2019/SEIAA dated 27.02.2020 for the Period October 2022 to March 2023

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<tbody>
<tr>
<td>38</td>
<td>The Regional Office of MOEF &amp; 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.</td>
<td>Noted</td>
</tr>
<tr>
<td></td>
<td></td>
<td>All necessary support will be extended to the Regional Office of MoEF&amp;CC located at Bangalore for the monitoring of the compliance of the stipulated conditions by furnishing the requisite data/information/monitoring reports.</td>
</tr>
<tr>
<td>39</td>
<td>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.</td>
<td>Noted</td>
</tr>
<tr>
<td>40</td>
<td>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.</td>
<td>Noted</td>
</tr>
<tr>
<td>41</td>
<td>The SEIAA may revoke or suspend the order, for non-implementation of any of the specific or this implementation of any of the above conditions is not satisfactory. The SEIAA</td>
<td>Noted</td>
</tr>
<tr>
<td>S. No.</td>
<td>Conditions</td>
<td>Compliance Status as on March 31, 2023</td>
</tr>
<tr>
<td>--------</td>
<td>------------</td>
<td>---------------------------------------</td>
</tr>
<tr>
<td>reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection</td>
<td></td>
<td></td>
</tr>
<tr>
<td>42</td>
<td>The above conditions shall prevail notwithstanding anything to the contrary, in consistent, or simplified, contained in any other permit, license on consent given by any other authority for the same project.</td>
<td>Noted</td>
</tr>
<tr>
<td>43</td>
<td>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.</td>
<td>Noted</td>
</tr>
<tr>
<td>Complied</td>
<td>The mining operation shall be restricted to above ground water table and it should not intersect ground water table. Mining operations will be restricted to workings at a higher level at the quarry and will not touch the ground water table. The mine is located at higher elevation on hill and the water table in the mine is much below the general surface. However, a few perched aquifers has been observed at a distance of about 130 m from the boundary of the mine. Here the observed water level to be about 10 m below from the surface. The expected deepest mining operation during this mining period shall be about 66 m above MSL; which will be much above the ground water table. No ground water is expected to be encountered during mining.</td>
<td></td>
</tr>
<tr>
<td>45</td>
<td>All vehicles used for transportation and within the mines shall have ‘PUC’ certificate from authorized pollution taking centre. Washing of all vehicles shall be inside the lease area</td>
<td>Complied</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
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<tr>
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<th>Compliance Status as on March 31, 2023</th>
</tr>
</thead>
<tbody>
<tr>
<td>46</td>
<td>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</td>
<td>Not Applicable</td>
</tr>
<tr>
<td></td>
<td>AVPPL are not withdrawing the surface water or ground water from the project area for any purposes.</td>
<td></td>
</tr>
<tr>
<td>47</td>
<td>Regular monitoring of flow rates and water quality upstream and downstream 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</td>
<td>Not Applicable</td>
</tr>
<tr>
<td></td>
<td>There are no springs and perennial nallahs flowing upstream and downstream of the mine lease area as there are no water courses and/or water resources of first order streams in and around the mine lease area.</td>
<td></td>
</tr>
<tr>
<td>48</td>
<td>Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed</td>
<td>Complied</td>
</tr>
<tr>
<td></td>
<td>Occupational health surveillance programs of the workers are undertaken periodically to observe any contractions due to exposure to dust and take corrective measures. Statutory norms are being followed during mining to ensure the proper health and safety of workers. All the</td>
<td></td>
</tr>
</tbody>
</table>
Adani Vizhinjam Port Private Limited (AVPPL)

From: October 2022
To: March 2023

Building Stone Quarry Project in Block No. 29, Re-survey No. 120/10 at Manickal Village, Nedumangad Taluk, Thiruvananthapuram District


<table>
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</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>health and safety aspects as per the requirement and standards of the DGMS are being followed to ensure the health and safety of all persons employed at the mine.</td>
</tr>
</tbody>
</table>

Medical Examination Report (Form O)

Annexures:

<table>
<thead>
<tr>
<th>Annexure Number</th>
<th>Details of Annexure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annexure 1</td>
<td>Explosives Magazine License</td>
</tr>
<tr>
<td>Annexure 2</td>
<td>Explosives Van-1 License</td>
</tr>
<tr>
<td>Annexure 3</td>
<td>Explosives Van-2 License</td>
</tr>
<tr>
<td>Annexure 4</td>
<td>Letter from DMG for Approval of Modified Mining Plan</td>
</tr>
<tr>
<td>Annexure 5</td>
<td>AVPPL Letter to SEIAA as Response to Observations of SEAC</td>
</tr>
<tr>
<td>Annexure 6</td>
<td>AVPPL Letter to SEIAA for Details of Change in Year-wise Production</td>
</tr>
<tr>
<td>Annexure 7</td>
<td>Letter from SEIAA regarding Traffic Management Plan</td>
</tr>
<tr>
<td>Annexure 8</td>
<td>Email Submission of HYCR for the period April 2022 to September 2022</td>
</tr>
<tr>
<td>Annexure 9</td>
<td>Ambient Air Quality Monitoring Report</td>
</tr>
<tr>
<td>Annexure 10</td>
<td>Noise Monitoring Report</td>
</tr>
</tbody>
</table>
Annexure 1: Explosives Magazine License
(Dated: 13/09/2022)

Subject: Possession for Use of Explosives from magazine situated at Survey No.:11715/5-1,11713,11714, Kotukul, Neyyattinkara, Dist: THRUVANANTHAPURAM, Kerala - Licence No.: ESE/KL22/331/1(E121778) granted in Form LE-3 of Explosives Rules, 2008 - (Amendment in Drawings/Facilities/Premises).

Please refer to your letter no. NL dated 13/09/2022.

ANNEXURE


The Licence No.: ESE/KL22/331/1(E121778) is forwarded herewith duly amended in respect of followings ;


The licence capacity at any one time shall not exceed the kinds and quantities mentioned below:

<table>
<thead>
<tr>
<th>No</th>
<th>Explosive(s)</th>
<th>Class</th>
<th>Div</th>
<th>Sub Div</th>
<th>Capacity</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Nitrate Mixture</td>
<td>2</td>
<td>0</td>
<td>400</td>
<td>500</td>
<td>Kg.</td>
</tr>
<tr>
<td>2</td>
<td>Electric Delay Detonators</td>
<td>6</td>
<td>3</td>
<td>0</td>
<td>10000</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Non Electric (Note) detonators</td>
<td>6</td>
<td>3</td>
<td>0</td>
<td>10000</td>
<td></td>
</tr>
</tbody>
</table>

This Licence shall remain valid till 31st March 2026. This Licence shall remain valid till 31st March 2026.

For further revalidation(if required), please follow the procedure under Rule 112 of Explosives Rules, 2008. Receipt of this letter may please be acknowledged.

Yours faithfully,

[Signature]

Assistant Director

2. Superintendent of Police, THRUVANANTHAPURAM, Kerala.

[Signature]

[Assistant Director]

[District Magistrate]

[Superintendent of Police]
Note: This is a system-generated document does not require physical signature. Applicant may take printout for their records.
Annuity in the sum of Licence Form LE-3
(Hesaraghatta Circle, 2006, the Annuity of Rs. 4 per annum 1 of the 1st and 3rd (XXX) to (XX) (X) (X/3)
(see article 9a to 9f and 9 to Part 1 of Schedule IV of Explosives Rules, 2008)
(II) Any person for the use of Nitrate Mixture, Electric Delay Detonators, Non Electric (Nonel)
detonators, for the purpose of the said licence
Licence is valid only for the following purpose.
4. The use for which the licence (Name and Description) is issued is as follows:
  Sr. No. Name and Description
  1. Nitrate Mixture
  2. Electric Delay Detonators
  3. Non Electric (Nonel) Detonators

(a) Quantity of explosive to be purchased in a calendar month applicable for licence issued under article (9a) and (10)
(b) The quantity of explosive to be purchased in a calendar month applicable for licence issued under (10)(b).

5. The licence premises shall consist of the following:
   The licence premises shall consist of the following premises:
   Survey No. 117/15-1,117/13,117/14, 117/15, (Town/Village), (District).

6. The licence premises are situated at the following address:
   Survey No. 117/15-1,117/13,117/14, 117/15, (Town/Village), (District).

7. The licence premises consist of the following facilities:
   The licence premises consist of the following facilities:
   Drawing (showing site, constructional and other details) as stated in serial No. 5 above.

8. The licence premises shall be used for the following purposes:
   The licence premises shall be used for the following purposes:
   The licence granted is subject to the provision of Explosives Act 1884 as amended from time to time and the Explosives Rules, 2008 framed there under and the conditions, additional conditions and the following Amendments:
   1. 1. The licence premises shall consist of the following facilities:
   2. 2. The licence premises shall consist of the following facilities:
   3. 3. The licence premises shall consist of the following facilities:

9. The licence shall remain valid till 31st day of March 2026.
   This licence shall remain valid till 31st day of March 2026.
   The licence shall remain valid till 31st day of March 2026.
   The licence shall remain valid till 31st day of March 2026.

Note: This is a system generated document does not require physical signature. Applicant may take printout for their records.
The following are the conditions of licence number ESE/KL/223/33(E121778) to possess for sale or use, explosives of Class 1,2,3,4,5,6,7 and 7 in a magazine in Form LE-3 (articles 3(b) to (g) granted by Chief controller of Explosives or Controller of Explosives.

1. Dealer in such a magazine shall be not more than the license capacity.

2. Magazine for the storage of explosives shall maintain a safety distance specified in Schedule III and annexure to the licence.

3. Magazine is to be used only for keeping all explosives specified in this licence and of receptacles or tools and implements for work connected with the keeping of such explosives.

4. Dealer in such a magazine shall be not more than the license capacity.

5. Dealer in such a magazine shall be not more than the license capacity.

6. Dealer in such a magazine shall be not more than the license capacity.

7. Dealer in such a magazine shall be not more than the license capacity.

8. Dealer in such a magazine shall be not more than the license capacity.

9. Dealer in such a magazine shall be not more than the license capacity.

10. Dealer in such a magazine shall be not more than the license capacity.

11. Dealer in such a magazine shall be not more than the license capacity.
11. The licensee shall keep records and accounts of all explosives in Forms RE-3 and RE-4 of the Explosives Rules, 2008, whenever such officer may call upon him to do so. The stock books in the prescribed proforma shall be page numbered.

12. No changes or alterations shall be carried out on the premises without prior approval of the licensing authority and the licensee shall comply with any condition that may be specified by the licensing authority in this behalf.

13. The licensee shall submit quarterly reports as per sub-rules (3) and (4) of rule 24 of these rules.

14. No爆炸物储藏处的许可持有者应根据上述规定保存记录并报告任何改变。此外，应通知所有其他有关人员任何改变，并确保遵守所有适用的法律和规定。

15. Any alteration in the safety distance shall be immediately communicated to the licensing authority for necessary advice and action.

16. The爆炸物储藏处应保持在如此接近的范围内，以便在任何时候都可以看到其全部内容。此外，还应确保爆炸物储藏处的任何改变都被记录下来，并报告给相关当局。

17. The爆炸物储藏处的储藏者应确保所有爆炸物储藏处的记录都是准确的，并且应保持所有适用的法律和规定。

18. Any notification of any change or alteration in the provisions of the Act or these rules shall be made known to the licensee by the licensing authority.

19. The explosive packages shall be stored in such a way as to allow movement of at least one person to check the condition of all packages stored and to read the manufacturing particulars of each package.

20. The爆炸物储藏处的储藏者应确保爆炸物储藏处的任何改变都得到报告，并且应确保所有适用的法律和规定。

21. The explosive packages shall be stored in such a way as to allow movement of at least one person to check the condition of all packages stored and to read the manufacturing particulars of each package.

22. The explosive packages shall be stored in such a way as to allow movement of at least one person to check the condition of all packages stored and to read the manufacturing particulars of each package.

23. The explosive packages shall be stored in such a way as to allow movement of at least one person to check the condition of all packages stored and to read the manufacturing particulars of each package.

24. The explosive packages shall be stored in such a way as to allow movement of at least one person to check the condition of all packages stored and to read the manufacturing particulars of each package.

25. The explosive packages shall be stored in such a way as to allow movement of at least one person to check the condition of all packages stored and to read the manufacturing particulars of each package.

26. The explosive packages shall be stored in such a way as to allow movement of at least one person to check the condition of all packages stored and to read the manufacturing particulars of each package.

Note: This is a system generated document does not require physical signature. Applicant may take printout for their records.
Form DE-2
(See rule 113 of the Explosives Rules, 2008)
(Distance Form to be attached to the licence)

Safety distances required to be kept clear around magazine for high explosives or fire works or factory licence number E/SE/KL/22/331(E121778) in form LE-3 granted to Shri RAJESH KUMAR JHA, CEO, M/s.Adani Vizhinjam Port Pvt. Ltd. Floor No.2, Vipanchika Tower, Thycud, Kerala-695521.

<table>
<thead>
<tr>
<th>Type of Structure(s)</th>
<th>Safety distances (meters)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Inside Safety Distances(ISD)</strong></td>
<td>M</td>
</tr>
<tr>
<td>1 Room or Workshop used in Connection with the Magazine</td>
<td>19</td>
</tr>
<tr>
<td>2 Any other Explosives Magazine or store House or Factory of the Applicant</td>
<td></td>
</tr>
<tr>
<td>3 Magazine Office</td>
<td></td>
</tr>
<tr>
<td><strong>Middle Safety Distances(MSD)</strong></td>
<td></td>
</tr>
<tr>
<td>4 Magazine Keeper’s or Chowkidar’s Dwelling house</td>
<td></td>
</tr>
<tr>
<td>5 Railway including Minerals and Private Railways</td>
<td></td>
</tr>
<tr>
<td>6 Canal (in active use) or other navigable water</td>
<td></td>
</tr>
<tr>
<td>7 Dock or Pier or Jetty</td>
<td></td>
</tr>
<tr>
<td>8 Public Highway or Public Road</td>
<td></td>
</tr>
<tr>
<td>9 Private Road which is PRINCIPAL means of access to a Temple, Mosque, Church, Gurudwara or other places of worships, Hospital, College, School or Factory</td>
<td>48</td>
</tr>
<tr>
<td>10 River Embankment or Sea Embankment or Public Well</td>
<td></td>
</tr>
<tr>
<td>11 Reservoir or Bounded tank/rope way</td>
<td></td>
</tr>
<tr>
<td>12 Windmill or Solar panel for Power Generation</td>
<td></td>
</tr>
<tr>
<td><strong>Outside Safety Distances(OSD)</strong></td>
<td></td>
</tr>
<tr>
<td>13 Dwelling House</td>
<td></td>
</tr>
<tr>
<td>14 Govt. and Public Building</td>
<td></td>
</tr>
<tr>
<td>15 Temple, Mosque, Church or Gurudwara or other Places of Worships</td>
<td></td>
</tr>
<tr>
<td>16 Shops, Market place, Public recreation and Sports Ground, College, School, Hospital, Theater, Cinema or other Building where the public are accustomed to assemble</td>
<td></td>
</tr>
<tr>
<td>17 Factory</td>
<td></td>
</tr>
<tr>
<td>18 Buildings or Works used for the Storage in Bulk of Petroleum, Spirit, gas, or other inflammable or hazardous substances</td>
<td></td>
</tr>
<tr>
<td>19 Building or Works used for Storage and Manufacture of Explosives or of articles which contain Explosives</td>
<td>95</td>
</tr>
<tr>
<td>20 Aerodrome</td>
<td></td>
</tr>
<tr>
<td>21 Furnace, Kiln or Chimney</td>
<td></td>
</tr>
<tr>
<td>22 Quarry or mine pit head</td>
<td></td>
</tr>
<tr>
<td>23 Power House or Electric Substation</td>
<td></td>
</tr>
<tr>
<td>24 Wireless Station</td>
<td></td>
</tr>
<tr>
<td>25 Warehouse or other Storage Building</td>
<td></td>
</tr>
<tr>
<td>26 Any other Protected works</td>
<td></td>
</tr>
<tr>
<td><strong>Overhead Electric lines</strong></td>
<td></td>
</tr>
<tr>
<td>27 Electric Power over head Transmission Lines above 440V</td>
<td>90</td>
</tr>
<tr>
<td>28 Electric Power over head Transmission Lines upto 440V</td>
<td>15</td>
</tr>
</tbody>
</table>

The Date: 13/09/2021

For Dy. Chief Controller of Explosives
Emakulam

Amendments:
- Amendment in Drawings/Facilities/Premises dated: 13/09/2022

Note: - This is system generated document does not require physical signature. Applicant may take printout for their records.

Digitally signed by Dr. P. K. RANA
Reason: Licence No.: E/SE/KL/22/331
Location: Emakulam (E121778)
Date: 2022-09-13 09:49:05 +05:30
Annexure 2: Explosives Van-1 License
GOVERNMENT OF INDIA
MINISTRY OF COMMERCE & INDUSTRY
PETROLEUM AND EXPLOSIVES SAFETY ORGANISATION (PESO)
(Formerly Department of Explosives)
Kendriya Bhavan, Block C-2, 3rd Floor
CSEZ PO Kakkanad Dist. Ernakulam Ernakulam 682037
Te: 2427286 Fax: 2427276
Email: dydcceernakulam@explosives.gov.in

Dated: 22/09/2021

No: E/SE/KL/25/99(E135886)

To:
Mr. ADANI VIZHINJAM PORT PVT LTD.,
3rd Floor, Aspinwall House, Kuruvankonam, Thiruvananthapuram
Town/Village - Thiruvananthapuram
Dist. THIRUVANANTHAPURAM, State. Kerala, Pincode-695003

Subject: Road Van for the carriage of Explosives - Registration No KL01CP2414 Licence No.:E/SE/KL/25/99(E135886) granted in Form LE-7 under Explosives Rules, 2008 - Endorsement regarding - Endorsement of Licence.

Sir(s),


The subject licence No. E/SE/KL/25/99(E135886) valid upto 31st March 2026 duly endorsed is forwarded herewith.

For further renewal of licence, please submit following documents so as to reach this office on or before 31/03/2026.

- Application in Form RE-1 duly filled in and signed.
- Licence fees renewable for one to five years, to be submitted online through e-payment facility available on online application portal under the Explosives Rules, 2008.
- Original licence with approved plan.
- In this connection, please also refer to Rule 112 of Explosives Rules, 2008.

Please follow following instructions strictly:

1. The records of explosives transported by the licenced Roadvan shall be maintained in the proforma RE-6 under Part 5 of schedule V of Explosives Rules 2008.
2. Please ensure that persons whose antecedents verified by the local Police shall only be employed with the licenced explosives Roadvan/compressor mounded truck as drivers or cleaners. List of such drivers and cleaner's alongwith the personal particulars shall be made available to the local police in advance. The re-verification of such staff shall also be made at least once in a year in compliance to Rule 61(3) of Explosives Rules 2008.
3. Please note that during transportation of explosives, the Roadvan shall always be attended to by two armed guards. If the consignment of explosives is likely to pass through sensitive areas notified by Ministry of Home Affairs, it should be escorted by armed Police escort / guard provided by District Police Administration as required in Rule 67(7) of Explosives Rules 2008.

Yours faithfully,

(Deputy Chief Controller of Explosives
Ernakulam)

Copy Forwarded to:


Deputy Chief Controller of Explosives
Ernakulam

[For more information regarding status, fees and other details, please visit our web site: http://explosives.gov.in]

Note: This is system generated document does not require physical signature. Applicant may take printout for their records.
MEMORANDUM

No.: E/SE/KL/25/99(E135886)  Dated: 22/09/2021

Subject: Road Van for the carriage of Explosives - Registration No KLO1CP2414 of M/s. ADANI VIZHINJAM PORT PVT LTD., 3rd Floor, Aspinwall House, Kuruvarankam, Thiruvananthapuram, Dist. THIRUVANANTHAPURAM, State. Kerala - Grant of Licence.

Two copies of Licence No.: E/SE/KL/25/99(E135886) granted to M/s. ADANI VIZHINJAM PORT PVT LTD., Survey No. 117/15-1, 117/15-2, 117/14, 117/13, Kottukal Village, THIRUVANANTHAPURAM, Kerala for the period ending 31st March 31/03/2026 to transport Explosives by Road Van between Sy No. 117/15-1, 117/15-2, 117/14, 117/13, KOTTUKAL (V), NEYATTEKARA (TR), THIRUVANANTHAPURAM DT. TO KADAVILA-I STONE QUARRY AT SY NO. 553/2, NAGAR are forwarded herewith to this office, with the request that if he is satisfied that all the conditions prescribed in the licence have been complied with, the original copy of the same be endorsed and forwarded to the licensee directly with an intimation to the District Magistrate, THIRUVANANTHAPURAM, Kerala and this office, retaining the other copy of the licence for his office record. If, however, he decides not to endorse the licence he shall immediately return the same to this office together with a statement of his reasons for not endorsing the licence, not later than three months.

(Dr. R. Venugopal)
Deputy Chief Controller of Explosives

To,
this office

Copy Forwarded to:

   The Vehicle shall not be taken into use unless inspected by an officer and licence duly endorsed under Rule 107(3) of Explosives Rules 2008.

   The records of explosives transported by the licensed Roadvan shall be maintained in the proforma RE-6 under Part 5 of schedule V of Explosives Rules 2008.
   Please ensure that persons who are antecedents verified by the local Police only shall be employed with the licensed explosives roadvan/compressor mounded truck as drivers or cleaners. List of such drivers and cleaner's alongwith the personal particulars shall be made available to the local police in advance. The re-verification of such staff shall also be made at least once in a year in compliance to Rule 63 (3) of Explosives Rules 2008.

   For further renewal please submit the following documents so as to reach this office on or before 31/03/2026.
   - Application in RE-1 duly filled in and signed.
   - Licence fees renewable for one to five years, to be submitted online through e-payment facility available on online application portal under the Explosives Rules, 2008.
   - Original licence with approved plan.
   - In this connection, please also refer to Rule 112 of Explosives Rules 2008.

2. Superintendent of Police, THIRUVANANTHAPURAM, Kerala
   A copy of Licence along with approved plan is enclosed for his office record.

[For more information regarding status, fees and other details, please visit our website http://peso.gov.in]

Note: This is system generated document does not require physical signature. Applicant may take printout for their records.
Licence to : transport explosives in a road van

1. Licence is hereby granted to:
M/s. ADANI VIZHINJAM PORT PVT LTD., Occupier : Rajesh Kumar Jha
3rd Floor, Aspinwall House, Kuruvaankonam, Thiruvananthapuram,
District-THIRUVANANTHAPURAM, State-Kerala, Pincode-695003

2. Status of licensee: Company

3. Particulars of the road van:

- Registration No.: KL01CP2414
- Make and model of vehicle: TATA SFC 407 EX/31
- Unladen weight: 2950 Kg(s)
- Maximum laden weight: 6250 Kg(s)
- Engine No.: 4SPCR11EPY621445
- Chassis No.: MAT505242K8E10649

4. The licence is subject to the provision of Explosives Act 1884 as amended from time to time and the Explosives Rules, 2008 framed thereunder and the conditions and the following annexures...

5. This licence shall remain valid till 31st March 2026

6. Conditions signed by the licensing authority.

Date: 22/09/2021

Note: This system generated document does not require physical signature. Applicant may take printout for their records.
1. यह अनुमति किसी अन्य सड़क वान की अलावा नहीं है।
   This licence is not transferable to any other explosives van.

2. पहले, उपस्थिति रोडशर्ट और आरोपित मोडल में बहुत भी प्रदर्शित हो, अनुमति प्राप्तकर्ता के अनुमति के अनुसार यह नहीं किया जा सकता है।
   No alterations should be made to the vehicle, its body and other fittings without approval from the licensing authority.

3. यह अनुमति या उपस्थिति के अनुसार प्रदर्शित किये गए वान में ही अनुमति दायित्व प्राप्त करने के लिए ही वान में प्रदर्शित किया जाएगा।
   This licence or its authenticated copy shall at all times be kept in the van and produced on demand by an inspecting officer.

4. सड़क वान का, विस्फोटकों के परिवहन के लिए उस तरह प्रदर्शित किया जायेगा जब तक कि वह रेप्लैक इलेक्ट्राल में नहीं है और विस्फोटक नियम 2008 का अनुमति ही प्रदान करता है।
   The road van shall not be used for transport of explosives unless it is in a fit condition and complies with the Explosives Rules, 2008.

5. सड़क वान का प्रदर्शित किया जाएगा, इस अनुमति दायित्व प्राप्तकर्ता की रुचि के लिए तब तक नहीं किया जायेगा जब तक कि अनुमति प्राप्तकर्ता द्वारा इसके लिए लाइसेंस प्राप्त नहीं है।
   The road van shall not be used for transport of any material other than that authorised by this licence, unless permitted by licensing authority in writing.

6. सड़क वान में घृपपापा किया जाएगा जब उसमें अधिक या क्रृतिम प्रकाश का कोई भी विस्फोटक या अन्य नकारात्मक वस्तु हो, तब नहीं किया जाएगा।
   No smoking and no fire or artificial light or any article capable of causing fire shall be allowed on the explosives van.

7. पहले, उपस्थिति रोडशर्ट के अनुसार यह नहीं किया जाएगा।
   The vehicle shall not be used for carrying passengers.

8. पहले, उपस्थिति रोडशर्ट की भावनात्मक या उपयोगी है प्रदर्शित किया जाएगा या नहीं है, उस समय सड़क वान ऐसे किसी भी स्थान के प्रभावों के द्वारा या बिस्फोटक के रूप में प्रदर्शित किया जाएगा।
   The speed of the road van shall not be affected by its presence or the load in the van.

9. सड़क वान में विस्फोटक द्वारा परिवहन तब तक नहीं किया जाएगा जब तक कि है, विस्फोटकों के अनुसार या चुनिन्दा विस्फोटक नियम का अनुशासन सिद्धि हो।
   No explosives unless they are packed in accordance with the Explosives Rules or in a manner specified by the Chief Controller shall be transported in the explosives van.

10. किसी भी विस्फोटकों के साथ डिजाइनेड नहीं किया जाएगा।
    Detonators shall not be transported with any other explosives.

Note: This is a system generated document does not require physical signature. Applicant may take printout for their records.
Annexure 3: Explosives Van-2 License
GOVERNMENT OF INDIA
MINISTRY OF COMMERCE & INDUSTRY
PETROLEUM AND EXPLOSIVES SAFETY ORGANISATION(PESO)
(Formerly Department of Explosives)
Kendriya Bhavan, Block C-2, 3rd Floor
CSEZ PO Kakkanad, Dist. Ernakulam Ernakulam 682037
Tel: 2427286 Fax: 2427276
Email: dyccernakulam@explosives.gov.in

No: E/SE/KL/25/98(E135883)

To,
Mr. ADANI VIZHINJAM PORT PVT LTD,
3rd Floor, Aspinwall House, Kuruvankonam, Thiruvananthapuram
Town/Village - Thiruvananthapuram
Dist. THIRUVANANTHAPURAM, State. Kerala, Pincode-695003

Dated : 22/09/2021

Subject: Road Van for the carriage of Explosives - Registration No KLO1CP2472 Licence No.: E/SE/KL/25/98(E135883) granted in Form L.E.-7 under Explosives Rules, 2008 - Endorsement regarding Endorsement of Licence.

Sir(s),

Reference memo No.: E/SE/KL/25/98(E135883) Dated 22/09/2021 from Dy. Chief Controller of Explosives, Ernakulam and inspection of the subject premises by an officer of this organization on 03/09/2021.

The subject licence No. E/SE/KL/25/98(E135883) valid upto 31st March 2026 duly endorsed is forwarded herewith.

For further renewal of licence, please submit following documents so as to reach this office on or before 31/03/2026.

- Application in Form RE-1 duly filled in and signed.
- Licence fees renewable for one to five years, to be submitted online through e-payment facility available on online application portal under the Explosives Rules, 2008.
- Original licence with approved plan.
- In this connection, please also refer to Rule 112 of Explosives Rules, 2008.

Please follow following instructions strictly:

1. The records of explosives transported by the licenced Roadvan shall be maintained in the proforma RE-6 under Part 5 of schedule V of Explosives Rules 2008.
2. Please ensure that persons whose antecedents verified by the local Police shall only be employed with the licenced explosives roadvan/compressor mounted truck as drivers or cleaners. List of such drivers and cleaners alongwith the personal particulars shall be made available to the local police in advance. The re-verification of such staff shall also be made at least once in a year in compliance to Rule 61(3) of Explosives Rules 2008.
3. Please note that during transportation of explosives, the Roadvan shall always be attended to by two armed guards. If the consignment of explosives is likely to pass through sensitive areas notified by Ministry of Home Affairs, it should be escorted by armed Police escort / guard provided by District Police Administration as required in Rule 67(7) of Explosives Rules 2008.

Yours faithfully,

(Dr. K. Venugopal)
Deputy Chief Controller of Explosives
Ernakulam

Copy Forwarded to:


Deputy Chief Controller of Explosives
Ernakulam

[For more information regarding rates, fees and other details, please visit our website http://explosives.gov.in]

Note :- This is system generated document does not require physical signature. Applicant may take printout for their records.
No.: E/SE/KL/25/98(E135883)  
Dated: 22/09/2021

MEMORANDUM

Subject: Road Van for the carriage of Explosives - Registration No KL01CP2472 of M/s. ADANI VIZHINJAM PORT PVT LTD., 3rd Floor, Aspinwall House, Kuruvankonam, Thiruvananthapuram, Distt. THIRUVANANTHAPURAM, State. Kerala - Grant of Licence.

Two copies of Licence No.: E/SE/KL/25/98(E135883) granted to M/s. ADANI VIZHINJAM PORT PVT LTD., Survey No. 117/15-1, 117/15-2, 117/13, 117/14, Kottukal VIII, THIRUVANANTHAPURAM, Kerala for the period ending 31st March 31/03/2026 to transport Explosives by Road Van between SY NO. 117/15-1, 117/15-2, 117/13, 117/14, KOTTUKAL (9), NEYyatinkara (9), THIRUVANANTHAPURAM DT. TO KADAVILA-I STONE QUARRY AT SY NO. 555/2, NAGAROO are forwarded herewith to this office, with the request that if he is satisfied that all the conditions prescribed in the licence have been complied with, the original copy of the same be endorsed and forwarded to the licensee directly with an intimation to the District Magistrate, THIRUVANANTHAPURAM, Kerala and this office, retaining the other copy of the licence for his office record. If, however, he decides not to endorse the licence he shall immediately return the same to this office together with a statement of his reasons for not endorsing the licence, not later than three months.

(Indian Signature)
Deputy Chief Controller of Explosives

To,
this office

Copy Forwarded to:


The Vehicle shall not be taken into use unless inspected by an officer and licence duly endorsed under Rule 107(3) of Explosives Rules 2008.

The records of explosives transported by the licenced Road Van shall be maintained in the proforma RE-6 under Part 5 of schedule V of Explosives Rules 2008.

Please ensure that persons who are antecedents verified by the local Police only shall be employed with the licenced explosives roadvan/compressor mounded truck as drivers or cleaners. List of such drivers and cleaner's alongside the personal particulars shall be made available to the local police in advance. The re-verification of such stuff shall also be made at least once in a year in compliance to Rule 63 (3) of Explosives Rules 2008.

For further renewal please submit the following documents so as to reach this office on or before 31/03/2026.

- Application in RE-1 duly filled in and signed.
- Licence fees renewable for one to five years, to be submitted online through e-payment facility available on online application portal under the Explosives Rules, 2008.
- Original licence with approved plan.
- In this connection, please also refer to Rule 112 of Explosives Rules 2008.

2. Superintendent of Police, THIRUVANANTHAPURAM, Kerala

A copy of Licence along with approved plan is enclosed for his office record.

Deputy Chief Controller of Explosives
Ernakulam

[For more information regarding status, fees and other details, please visit our web site http://peso.gov.in]

Note: - This is system generated document does not require physical signature. Applicant may take printout for their records.
LICENCE FORM LE-7
(Viskestak Niyam 2008 ke Anusuchd 4 ke Bhag 1 ka Anusuchd 7 deh)
(See article no 7 of Part 1 of Schedule IV of Explosives Rules, 2008)

Anujana: Sahuk Dain mein Viskestak ko Parikaran ke liye
Licence to: transport explosives in a road van

Anujana Priyakrit
Licence ENDORSED

D C E. Ernakulam
2. M. N. G. N. (Sahuk)

1. Anujana Etaladar Joaari ki jaiti
Licence is hereby granted to:
M/S ADANI VIZHINJAM PORT PVT LTD., (Occupier: Shri Rajesh Kumar Jha)
3rd Floor, Aspinwall House, Kuruvankonam, Thrivanthapuram,
District-THRUVANANTHAPURAM, State-Kerala, Pincode-695003

2. Anujana Vidhi Madi Parikaran / Status of licensee: Company

3. Sahuk Dain ko Vichaar / Particulars of the road van:

Parikaran Sankh / Registration No.
Yana ko Meek and Model / Make and model of vehicle
Ladjan Sahit Weight / Unladen weight
Ladjan Sahit Aayakram Vajan / Maximum laden weight
Parikaran ke liye Anusuchd Viskestak ko Aayakram Matha
Maximum quantity of explosives permitted for transport

Juina Sankh / Engine No.
Vaisyas Sankh / Chassis No.
Arya Vihtaa ki Vistar / Description of Other Fittings
Vahan ke liye Anusuchd Viskestak ko Matha / Quantity of Explosives permitted to carry


4. Anujana Pariser Nirmalshakti Arakshak (Arakshak) ke Anusuchd hona vahita / The licensed premises shall conform to the following drawing(s):


The licence is granted subject to the provision of Explosives Act 1984 as amended from time to time and the Explosives Rules, 2008 framed thereunder and the conditions and the following annexures...

(a) Drawings of the road van as stated in serial no.4 above.
(b) Conditions signed by the licensing authority.

6. Yeh Anujana Taareek 31 March 2026 Tak Vichar Maha Rehny / This licence shall remain valid till 31st day of March 2026

Yeh Anujana, Aaychini Pariser par Uske ke Aaychini Vastvishak Niyam yeh Anujana ke Matha ke Ulakhjan, Anusuchd 5 ke Bhag 4 me Sandhityo, Jahaanna Bhi Laga huiya, ya Yeh Anujana Pariser Arakshak ya Uske Samsam Paddo ke liye Viharke ke Anusuchd Nahi Pade Janaa par Nirmalshakti ya Pratisangh Kodhewa Kariyaa yeh Sakti Hii

This licence is liable to be suspended or revoked for any violation of the Act or rules framed there under or the conditions of this licence as set forth under Conditions, wherever applicable, referred to in Part 4 of Schedule V or if the licensed premises are not found conforming to the description shown in the plans and annexure attached hereto.

Dintak / Date: 22/09/2021

Up Mudra Viskestak Niyam / Dy. Chief Controller of Explosives
Ernakulam
Deputy Chief Controller of Explosives
Ernakulam

Note: This is system generated document does not require physical signature. Applicant may take printout for their records.
सड़क वैन में विस्फोटकों के परिवहन के लिए प्रस्तुत रू. 7 में विस्फोटकों नियम चार्ट प्राप्त करने जिम्मेदारों अनुशंसा संख्या E/SE/KL/25/98/E135883 की शर्तों में निर्दिष्ट है।

The following are the conditions of licence number E/SE/KL/25/98/E135883 to transport explosives in a road van in Form LE-7 granted by Controller of Explosives.

1. यह अनुमति किसी अन्य सड़क वैन की अत्याधीन नहीं है।
   This licence is not transferable to any other explosives van.
2. या तथा, उनकी बोटी और अन्य फिटिंग्स में कोई भी परिवर्तन, अनुशंसित प्राधिकरण के अनुसरण के बिना नहीं किया जाना चाहिए।
   No alterations should be made to the vehicle, its body and other fittings without approval from the licensing authority.
3. या अनुमति का उपयोग प्राप्त करने वाले वैन में शामिल शर्तों एवं नियमावली के मामले में उसे पूरा किया जाएगा।
   This licence or its authenticated copy shall be kept at all times be kept in the van and produced on demand by an inspecting officer.
4. सड़क वैन का परिवहन के लिए तब तक प्रमाण नहीं किया जाएगा तब तक कि दी की हालत में नहीं है और विस्फोटक नियम 2008 का अनुरूप नहीं होती।
   The road van shall not be used for transport of explosives unless it is in a fit condition and complies with the Explosives Rules, 2008.
5. सड़क वैन का प्रयोग, इस अनुमति के प्राप्त काम समस्त ही गांव किसी समाधी के लिए तब तक नहीं किया जाएगा जब तक कि अनुशंसित प्राधिकरण के इसकी कमी अनुमति दी न दी हो।
   The road van shall not be used for transport of any material other than that authorised by this licence, unless permitted by licensing authority in writing.
6. सड़क वैन में पूर्ववर्ती नहीं किया जाएगा न उसमें अतिरिक्त जिसमें आया अथा तथा सीमात्मक नहीं हो, की अनुमति दी जाएगी।
   No smoking and no fire or artificial light or any article capable of causing fire shall be allowed on the explosives van.
7. या जिसांतर के लिए तब तक नहीं किया जाएगा।
   The vehicle shall not be used for carrying passenger.
8. या तथा, सड़क वैन में डिटेंटरों की उपस्थिति की सुनिश्चित करने का अनुमति है।
   The following are the licensed premises of consignor and unloaded from the van at the licensed premises of the consignor.
9. विस्फोटकों के या परिवहन के परिवहन तब तक नहीं किया जाएगा जब तक कि वे विस्फोटक नियम के अनुसार या सुयोग विस्फोटक नियम द्वारा विनियमित नहीं हैं।
   Any breakdown, accident, fire or explosion occurring in or involving the road van, shall be immediately reported to the licensing authority together with a full report of such breakdown, accident, fire or explosion. If such accident, fire or explosion is attended with loss of human life or serious injury to person or property, a report shall also be made immediately to the nearest Police Station.
10. विस्फोटकों के या परिवहन के अनुसार या सुयोग विस्फोटक नियम द्वारा विनियमित नहीं हैं।
   The licensee shall maintain account of explosives transported in Form RE-6 and present the same on demand by an inspecting officer.
11. अनुसूचित अवस्था, परिवहन के लिए दी गई अनुमति के प्रस्तुत रू. 7 में सुनिश्चित किया जाएगा।
   Any breakdown, accident, fire or explosion occurring in or involving the road van, shall be immediately reported to the licensing authority together with a full report of such breakdown, accident, fire or explosion. If such accident, fire or explosion is attended with loss of human life or serious injury to person or property, a report shall also be made immediately to the nearest Police Station.
12. विस्फोटकों के या परिवहन के अनुसार या सुयोग विस्फोटक नियम द्वारा विनियमित नहीं हैं।
   The vehicle shall be conversant with the procedure to be taken during the emergency within the premises.
13. किसी निषिद्ध करने या नाश करने वाले अवस्था की सभी बुद्धिमत्ता समय पर अनुशंसित प्राधिकरण में अवश्य पहुँच सक्ता की जाएगी और यह अभिलिपि करने के लिए कि अभिलिपि और उन नियमों का तहत संबंधित वाहन का संपर्क से पाठ लिया जाएगा।
   Any explosive shall be given at all reasonable times to any inspecting or sampling officer and every facility shall be afforded to the officer for ascertaining that the provisions of the Act or these rules and these conditions are duly observed.
16. विस्फोटकों के परिवहन के कारण होने वाले दुरुस्ती और विस्फोटकों की हानि,
   The licensing authority or a Controller of Explosives informs in writing, the holder of the licence to carry out recommendations, which are in the opinion of such authority may pose unacceptable risk and so necessary for the safety of either on-site or off-site persons, the holder of the licence shall execute the recommendations and report compliance within the period specified by such authority.
17. अवश्य विस्फोटकों के परिवहन के कारण होने वाले दुरुस्ती और विस्फोटकों की हानि,
   Accidents by fire or explosion and losses, shortage or theft of explosives shall be immediately reported to the nearest police station and the licensing authority and local office of the licensing authority.

Note :- This is system generated document does not require physical signature. Applicant may take printout for their records.
Annexure 4: Letter from DMG for Approval of Modified Mining Plan
No. 362/DOT/ML/2019

Department of Mining & Geology,
District Office, Thiruvananthapuram,
Kesavadasapuram
Pattom Palace P. O.,
Thiruvananthapuram 695004,
Phone 0471-2442055
eMail: geo.thi.dmg@kerala.gov.in
Dated 23.08.2022

From
Senior Geologist

To
M/s Adani Vizhinjam Port Pvt Ltd
T C No.24/2269(3), 3rd Floor, Aspinwall House, Kowdiar P O,
Kuravankonam Thiruvananthapuram 695 003

Sir,

Sub: - Mines & Minerals- Approval of Eco-friendly modified Mining plan–Granite Building Stone of M/s Adani Vizhinjam Port Pvt Ltd
T C No.24/2269(3), 3rd Floor, Aspinwall House, Kowdiar P O,
Kuravankonam Thiruvananthapuram 695 003
in Block No 19, Re Survey No.120/10 in Manickal Village,
Nedumangad Taluk, Thiruvananthapuram District - reg.

2. Your application dated 16.08.2022

The modified mining plan and progressive quarry closure plan for Granite Building Stone of M/s Adani Vizhinjam Port Pvt Ltd, T C No.24/2269(3), 3rd Floor, Aspinwall House, Kowdiar P O, Kuravankonam Thiruvananthapuram 695 003 over an area of 1.1081 Ha in Re Survey No 120/10 in Manickal Village, Nedumangad Taluk, Thiruvananthapuram District is hereby approved vide the powers delegated to the Senior Geologist for the approval of mining plan for the minor minerals issued under Rule 55 of Kerala Minor Mineral Concession Rules 2015, with the following conditions:-

1. That you will follow the prescribed Rules & Regulations of Central Government and State Government issued from time to time in regard to mining.
2. That you will follow the Mines Safety Rules & Regulations.
3. That you will store the mining waste in the earmarked location/ dumping yard only as specified in the plan.
4. That you will carry out the plantation as committed in the plan.
5. That provision shall be made for the housing facility for the labour with all basic infrastructure facilities including safe drinking water, toilets etc., within the site.
6. That the yearly production of 2,44,181MT(2022-23), 23,062MT(2023-24) approved in the plan shall be strictly adhered to and if any deviation is required the same shall be intimated in advance.
7. If any information or data furnished by the proponent and included in this plan is found erroneous or fake, the approval of this mining plan stands invalid.

Yours faithfully,

[Signature]
Senior Geologist
Annexure 5: AVPPL Letter to SEIAA as Response to Observations of SEAC
AVPPL/SEIAA/2022-23/2307

Date: 24th January 2023

To,
The Chairman,
State Environmental Impact Assessment Authority (SEiAA), Kerala
K.S.R.T.C Bus Terminal Complex, 4th Floor,
Thampanoor, Thiruvananthapuram - 695 001

Sub: Granite building stone quarry in Block No.29, Re-Survey No.120/10 in Manickal Village, Nedumangad Taluk, Thiruvananthapuram District – Response to Observations of SEAC during their 136th Meeting as per MoM – Reg.

Ref: 1. EC vide No. 1416/EC1/2019/SEIAA dated 27.02.2020
3. Minutes of the 136th Meeting of the SEAC Kerala held from 09.01.2023 to 11.01.2023

Dear Sir,

This is with reference to our granite building stone quarry in Block No.29, Re-Survey No.120/10 in Manickal Village, Nedumangad Taluk, Thiruvananthapuram District for which we have obtained Environmental Clearance (EC) vide reference 1. We have submitted Proposal No. SIA/KL/MIN/292678/2022 dated 10.10.2022 for modification of EC vide application referred 2.

Our proposal was considered during the 136th Meeting of the SEAC Kerala held between 09.01.2023 and 11.01.2023. According to the Minutes of the meeting referred 3 above, based on discussions in the meeting, the Committee decided not to recommend the amendment of EC as proposed due to the following reasons. The point wise reply of AVPPL against each reason is stated below:

1. As per the amendment proposal, it is proposed to extract 2,44,181 MT of hard rocks in 90 days (January 23 to March 23). It amounts to extraction of 2713 MT/day or 271 Truck Load per day. It leads to 27 truck movements in every hour (If the operation is for 10 hours) or one truck movement in every 2 minutes.

AVPPL Response: In the table provided in the Minutes, the year in the proposed extraction plan is incorrectly mentioned as 2025-26 and 2026-27. AVPPL submitted the Modified Mining Plan in June 2022 and expected the lease to be granted by October 2022 and planned to extract the material before March 2022. However, obtaining the lease extended to March 2023. Therefore, AVPPL propose the following year-wise extraction:

<table>
<thead>
<tr>
<th>Year</th>
<th>2023-24</th>
<th>2024-25</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>MT</td>
<td>2,44,181</td>
<td>23,062</td>
<td>2,67,243</td>
</tr>
</tbody>
</table>

Registered Office:
Adani Corporate House, Shantigram, Near Vaishno Devi Circle, S. G. Highway, Khodiyar, Ahmedabad-382421

Tel +91 471 2772 100
Fax +91 471 2325 600
project.vizhinjam@adani.com
www.adani.com
CIN: U65200GJ2015PTC083954
Thereby, as per the amendment proposal, it is proposed to extract 2,44,181 MT of hard rocks spread out over the entire year 2023-2024 in approximately 250 working days (April 2023 to March 2024) which will be around 976 MT per day and comes to 49 Truck Loads per day or 4 truck movements every hour (for 10 hours of operation 5.00 AM to 6.00 PM) and this works out to one truck movement every 15 minutes.

Each lorry can carry a maximum of 20 MT per trip
Required Tippers: Total 976 MT / 20 MT: 48.8; say 49 trips
No. of trips per hour 49 trips / 10 hours = 5 Trips per hour
The loading operation will run for 10 hours continuously by engaging operators with 4 hours duty with relieving at work spot.

2. The areal extent and carrying capacity of the site is inadequate for the proposed magnitude and intensity of blast and other mining activities.

**AVPPL Response:** AVPPL are drilling 100 holes daily with 10 Holes per blast. The 1st round of 50 holes in the morning hours from 10.30 AM to 11.00 AM and the 2nd round of another 50 Holes in afternoon from 2.30 PM to 3.00 PM. AVPPL are using Nonel per hole with 0.500 gm Nitrate Mixtures Explosives.

The Blast intervals are:
- Hole No 1: 250 Millisecond
- Hole No 2: 275 Millisecond
- Hole No 3: 300 Millisecond
- Hole No 4: 325 Millisecond
- Hole No 5: 350 Millisecond
- Hole No 6: 375 Millisecond
- Hole No 7: 400 Millisecond
- Hole No 8: 425 Millisecond
- Hole No 9: 450 Millisecond
- Hole No 10: 475 Millisecond

By using the versatile instrument of Nonel, AVPPL will blast the holes in safe manner.

3. The road is narrow and used by the local inhabitant. The carrying capacity of the road is constrained by the width and strength and therefore, traffic of such an intensity is not found feasible.

**AVPPL Response:**
- AVPPL have developed a strong bitumen road from the mine head to panchayat road and have given platform to move the Trucks to the side to allow the public to move freely.
• AVPPL are transporting 4 to 5 trips per hour.
• AVPPL have nominated a traffic warden wherever required
• AVPPL are training the drivers to drive slowly
• If the local persons are using the road, AVPPL have advised the truck drivers to park the Lorries at the parking lot which is provided by side of the road.

4. The intensity and magnitude of vehicle movement due to the amendment proposal will increase manifold in the MC road where the traffic density is very high.

AVPPL Response: AVPPL are transporting the material through Thaikod – Pothencode – Vettu Road Junction – Kazhakoottam – Chackka Junction – Thiruvallam – Kovalam – Mukkola – Vizhinjam Port. The trucks are only travelling for 4 km along MC Road and the transportation starts from Thaikod – Vettu road and joins in the NH-Bypass from Vettu road to Vizhinjam. Therefore, the Lorries are hardly adding to the magnitude of vehicle movement along MC Road.

5. The compliance to the conditions of EC issued on 27.2.2020 is not satisfactory.

AVPPL Reply: AVPPL are complying with the conditions of the EC granted as applicable. Half Yearly EC Compliance Reports (HYCR) are being submitted as per statutory requirements. The EC dated 27.2.2020 was issued with 5 Specific conditions and 48 General conditions. In the latest HYCR for the period April 2022 to September 2022, the following compliances to the specific and general conditions have been reported:

<table>
<thead>
<tr>
<th>Status of Compliance</th>
<th>Specific Conditions</th>
<th>General Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complied</td>
<td>1</td>
<td>8</td>
</tr>
<tr>
<td>Being Complied</td>
<td>3</td>
<td>19</td>
</tr>
<tr>
<td>Will be Complied</td>
<td>1</td>
<td>5</td>
</tr>
<tr>
<td>Not Applicable</td>
<td>-</td>
<td>7</td>
</tr>
<tr>
<td>Noted for Compliance</td>
<td>-</td>
<td>9</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>5</strong></td>
<td><strong>48</strong></td>
</tr>
</tbody>
</table>

AVPPL as a responsible organization is committed in complying with all the conditions set forth in the EC.

As you are aware, Vizhinjam is a major infrastructure project of Government of Kerala being developed by AVPPL under PPP mode. All the construction works including that of the breakwater is now being undertaken with the ambitious target set by Govt. of Kerala. An increased quantity of rock supply is an important imperative for meeting the target. While ensuring the construction targets, AVPPL is also committed in ensuring mitigation measures for every foreseeable impact due to the mining activity at Manickal quarry site.
We request that the above response and facts may please be considered by the committee and the committee may kindly reconsider the recommendation.

Thanking you,
Yours Sincerely

Sunil Kumar Ayyappan
AGM Projects

Copy to : The Managing Director, Vizhinjam International Seaport Limited
Annexure 6: AVPPL Letter to SEIAA for Details of Change in Year-wise Production
AVPPL/SEIAA/2022-23/2329

Date: 15th February 2023

To,
The Chairman,
State Environmental Impact Assessment Authority (SEIAA), Kerala
K.S.R.T.C Bus Terminal Complex, 4th Floor,
Thampanoor, Thiruvananthapuram - 695 001

Sub: Granite building stone quarry in Block No.29, Re-Survey No.120/10 in Manickal Village, Nedumangad Taluk, Thiruvananthapuram District – Changes in Production Years in the Approved Mining Plan – Reg.

Ref: 1. EC vide No. 1416/EC1/2019/SEIAA dated 27.02.2020
4. Minutes of the 136th Meeting of the SEAC Kerala held from 09.01.2023 to 11.01.2023

Dear Sir,

This is with reference to our granite building stone quarry in Block No.29, Re-Survey No.120/10 in Manickal Village, Nedumangad Taluk, Thiruvananthapuram District for which we have obtained Environmental Clearance (EC) vide reference 1. We had submitted Proposal No. SIA/KL/MIN/292678/2022 dated 10.10.2022 for EC Modification application vide reference 3.

Our proposal was considered during the 136th Meeting of the SEAC Kerala held from 09.01.2023 to 11.01.2023 vide reference 4. In our letter vide reference 5, we had responded to reasons that the Committee had put forth to not recommend the amendment of EC as proposed by us.

AVPPL has submitted a modified mining plan which was approved by Department of Mining and Geology vide reference 2. As per modified mining plan, AVPPL planned to extract 2.44 lakhs MT by March 2023. However, the approval of mining plan could only be obtained in August 2022 and SEAC considered our application in January 2023. Extraction of 2.44 lakhs MT by March 2023 i.e. in 90 days, would not be feasible.

Therefore AVPPL have requested Department of Mining and Geology vide reference 6 to change the production years as mentioned in the Modified Mining Plan as 1st Year (2023-24) and 2nd Year (2024-25) as mentioned in the table below:

<table>
<thead>
<tr>
<th>Year</th>
<th>2023-24</th>
<th>2024-25</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>MT</td>
<td>244181</td>
<td>23062</td>
<td>267243</td>
</tr>
</tbody>
</table>

Adani Vizhinjam Port Pvt Ltd
3rd Floor, Aspinwall House,
Kuravankom
Thiruvananthapuram,
Kerala-695003

Tel +91 471 2772 100
Fax +91 471 2325 600
project.vizhinjam@adani.com
www.adani.com
CIN: U61200GJ2015PTC083954

Registered Office:
Adani Corporate House, Shantigram, Near Vaishno Devi Circle, S. G. Highway, Khodiyar, Ahmedabad-382421

Page 1 of 2
Therefore, requesting your good office to put these facts before the SEAC in the next meeting scheduled to be held on 16.02.2023 and 17.02.2023 to reconsider the recommendation and grant EC Modification in this respect.

Thanking you,
Yours Sincerely

Rajesh Kumar Jha  
MD & CEO

Encl: References Cited Nos. 5 and 6

Copy to: The Managing Director, Vizhinjam International Seaport Limited
Annexure 7: Letter from SEIAA regarding Traffic Management Plan
State Environment Impact Assessment Authority (SEIAA) Kerala  
K.S.R.T.C Bus Terminal Complex, 4th Floor, Thampanoor, Thiruvananthapuram - 695 001  
Ph: +91471-2334262 (Off) +91471-2334265 (Fax)  
e-mail: seiaa@seiasa.kerala.gov.in  
web: www.seiaakerala.org  

No.1416/EC1/2019/SEIAA  
Date: 02.03.2023  

From,  
The Administrator  
State Environment Impact Assessment Authority  
Thiruvananthapuram  

To,  
Shri. Rajesh Kumar Jha,  
Chief Executive Officer,  
M/s Adani Vizhinjam Port Pvt. Ltd,  
2nd floor, Vipanchika Tower,  
Thycaud, Thiruvananthapuram – 695014  

Sir,  

Sub: - SEIAA – Modification of EC Application of Granite Building Stone Quarry of M/s. Adani Vizhinjam Port Private Limited, over an extent of 1.1081 Ha, (2.7381 Acres) at Re Sy Block No.29, Re-Sy No. 120/10, in Manickal Village, Nedumangad Taluk, Thiruvananthapuram – reg  

Ref: :- Minutes of the 123rd SEIAA meeting held on 27th & 28th January 2023  

Attention is invited to the reference cited. The Authority vide reference decided that your request for modification of EC cannot be considered. Also the Authority decided to inform you the following:  

1. The Project Proponent shall attend all the non-compliances noticed by SEAC within 6 months including the traffic management plan and carrying capacity study of the area and submit the compliance report.  

2. On receipt of the compliance report, the Monitoring Committee shall visit the site to verify the compliance status and submit report to SEIAA.  

Yours faithfully,  
Sd/-  
Harikumar A.S.  
Administrator, SEIAA  

Approved for Issue  
Section Officer  

[Stamp]  

[Stamp]  

[Stamp]  

[Stamp]
Annexure 8: Email Submission of HYCR for the period April 2022 to September 2022
Dear Sir/Madam,

This is with reference to the Environmental Clearance (EC) Order No. 1416/EC1/2019/SEIAA dated 27.02.2020 issued by State Environment Impact Assessment Authority (SEIAA), Kerala to Adani Vizhinjam Port Private Limited (AVPPL) for our Granite Building Stone Quarry Project in Block No.29, Re-Survey No.120/10 in Manickal Village, Nedumangad Taluk, Thiruvananthapuram District, Kerala.

The Half Yearly Compliance Report (HYCR) of the conditions stipulated in the EC for the period April 2022 to September 2022 is attached vide reference AVPPL/MoEF/2022-23/2222 dated 22.11.2022; for record and reference please.

You are requested to kindly acknowledge the receipt of the same.

Thanks & Regards,

Rajesh Jha
MD & CEO
Adani Vizhinjam Port Pvt Limited
Third Floor, Aspinwall House, Kuravankonam, Kowdiar, Thiruvananthapuram, Kerala - 695003
Mobile: +91 471 277 2116
www.adani.com
Annexure 9: Ambient Air Quality Monitoring Report
TEST REPORT

ULR No: TC540223000003366F
LRI No.: SEAAL23021333A Date: 25-02-2023 Page 1 of 1

CUSTOMER DETAILS

| Customer Name & Address | M/s Adani Vizhinjam Port Pvt Ltd  
| Manickal, Nedumangad, Thiruvananthapuram District. |
| Customer Reference | Test Request dt : 14-02-2023 |

SAMPLE DETAILS

| Product Category | Atmospheric Pollution |
| Sample Name | Ambient Air |
| Sample Conditions at Receipt | Fit for Analysis |
| Sample Received on | 17-02-2023 |
| Sample Conditions at Receipt | Test Commenced on |
| Sampled by | Lab Authorized Sampler |
| Test Completed on | 24-02-2023 |

DETAILS OF SAMPLING

| Sampling Location | Project Site |
| Sampling Procedure | SEAAL/ENL/GEN/SOP/02  
| Humidity | 72 % |
| Latitude | 8°39'32.44"N  
| Longitude | 76°55'40.26"E |

INFORMATION PROVIDED BY CUSTOMER - SAMPLING SITE DETAILS

| Re - Survey No | 120/10, Block No.29 |
| Village | Manickal |
| Taluk | Nedumangad |
| District | Thiruvananthapuram |
| State | Kerala |

TEST RESULTS – CHEMICAL DISCIPLINE

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>PARAMETERS</th>
<th>TEST METHOD</th>
<th>UNIT</th>
<th>RESULT</th>
<th>NAAQ STANDARDS</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Particulate matter (PM_{10})</td>
<td>IS 5182 (Part 23): 2006</td>
<td>µg/m³</td>
<td>51.4</td>
<td>100 (Max)</td>
</tr>
<tr>
<td>2</td>
<td>Particulate matter (PM_{2.5})</td>
<td>IS 5182 (Part 24):2019</td>
<td>µg/m³</td>
<td>28.6</td>
<td>60.0 (Max)</td>
</tr>
<tr>
<td>3</td>
<td>Sulphur dioxide (SO₂)</td>
<td>IS 5182 (Part 2): 2001</td>
<td>µg/m³</td>
<td>&lt; 4.00</td>
<td>80.0 (Max)</td>
</tr>
<tr>
<td>4</td>
<td>Nitrogen dioxide (NO₂)</td>
<td>IS 5182 (Part 6): 2006</td>
<td>µg/m³</td>
<td>&lt; 4.00</td>
<td>80.0 (Max)</td>
</tr>
</tbody>
</table>

Remarks: The Air sample complies with National Ambient Air Quality Standards with respect to above parameters tested.

***End of Report***

The results are related only to the samples submitted for analysis and this test report shall not be reproduced except in full, without the written approval of the laboratory,

StandardS Environmental & Analytical Laboratories  
Accreditation & Approval: NABL accredited Testing Laboratory as per ISO/IEC 17025:2017  
vide Certificate No. TC - 5402 & “A” Grade Laboratory approved by KSPCB.
K.J. Tower, Pathalam, Udyogamandal P.O., Ernakulam-683 501, Tel. 0484-2546660, 93 87 27 24 02, 90 74 34 14 43
Web: www.sealabs.in, E-mail: sealab@gmail.com
TEST REPORT

ULR No: TC540223000003367F
LRI No.: SEAAL23021334A  Date: 25-02-2023  Page 1 of 1

CUSTOMER DETAILS

Customer Name & Address: M/s Adani Vizhinjam Port Pvt Ltd
Manickal, Nedumangad, Thiruvananthapuram District.

Customer Reference: Test Request dt : 14-02-2023

SAMPLE DETAILS

Product Category: Atmospheric Pollution
Sample Name: Ambient Air
Sample Code: EN23020439
Sample Conditions at Receipt: Fit for Analysis
Sample Received on: 17-02-2023
Sampled by: Lab Authorized Sampler
Test Commenced on: 17-02-2023
Test Completed on: 24-02-2023

DETAILS OF SAMPLING

Sampling Location: St. Johns Hospital, Manikkal
(1.4 km away from Project Site)
Date of Sampling: 14-02-2023
Sampling Procedure: SEAAL/ENL/GEN/SOP/02
Humidity: 72%
Latitude: 8°39'47.12"N
Longitude: 76°54'50.22"E

INFORMATION PROVIDED BY CUSTOMER - SAMPLING SITE DETAILS

Re - Survey No: 120/10, Block No.29
Village: Manickal
Taluk: Nedumangad
District: Thiruvananthapuram
State: Kerala

TEST RESULTS – CHEMICAL DISCIPLINE

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>PARAMETERS</th>
<th>TEST METHOD</th>
<th>UNIT</th>
<th>RESULT</th>
<th>NAAQ STANDARDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Particulate matter (PM$_{10}$)</td>
<td>IS 5182 (Part 23): 2006</td>
<td>µg/m$^3$</td>
<td>47.2</td>
<td>100 (Max)</td>
</tr>
<tr>
<td>2</td>
<td>Particulate matter (PM$_{2.5}$)</td>
<td>IS 5182 (Part 24):2019</td>
<td>µg/m$^3$</td>
<td>25.7</td>
<td>60.0 (Max)</td>
</tr>
<tr>
<td>3</td>
<td>Sulphur dioxide (SO$_2$)</td>
<td>IS 5182 (Part 2): 2001</td>
<td>µg/m$^3$</td>
<td>&lt; 4.00</td>
<td>80.0 (Max)</td>
</tr>
<tr>
<td>4</td>
<td>Nitrogen dioxide (NO$_2$)</td>
<td>IS 5182 (Part 6): 2006</td>
<td>µg/m$^3$</td>
<td>&lt; 4.00</td>
<td>80.0 (Max)</td>
</tr>
</tbody>
</table>

Remarks: The Air sample complies with National Ambient Air Quality Standards with respect to above parameters tested.

***End of Report***
TEST REPORT

ULR No: TC540223000003368F

LRI No.: SEAAL23021335A
Date: 25-02-2023

CUSTOMER DETAILS

Customer Name & Address: M/s Adani Vizhinjam Port Pvt Ltd
Manickal, Nedumangad,
Thiruvananthapuram District.

Customer Reference: Test Request dt : 14-02-2023

SAMPLE DETAILS

Product Category: Atmospheric Pollution
Sample Code: EN2302040

Sample Name: Ambient Air
Sample Received on: 17-02-2023
Sample Conditions at Receipt: Fit for Analysis
Test Commenced on: 17-02-2023

Sampled by: Lab Authorized Sampler
Test Completed on: 24-02-2023

DETAILS OF SAMPLING

Sampling Location: Govt.L P School, Perumala
(3.36 km away from Project Site)
Date of Sampling: 14-02-2023

Sampling Procedure: SEAAL/ENL/GEN/SOP/02
Humidity: 72 %

Latitude: 8°41'03.77"N
Longitude: 76°55'34.75"E

INFORMATION PROVIDED BY CUSTOMER - SAMPLING SITE DETAILS

Re - Survey No: 120/10, Block No.29
Village: Manickal
Taluk: Nedumangad
District: Thiruvananthapuram
State: Kerala

TEST RESULTS – CHEMICAL DISCIPLINE

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>PARAMETERS</th>
<th>TEST METHOD</th>
<th>UNIT</th>
<th>RESULT</th>
<th>NAAQ STANDARDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Particulate matter (PM10)</td>
<td>IS 5182 (Part 23): 2006</td>
<td>µg/m³</td>
<td>62.1</td>
<td>100 (Max)</td>
</tr>
<tr>
<td>2</td>
<td>Particulate matter (PM2.5)</td>
<td>IS 5182 (Part 24): 2019</td>
<td>µg/m³</td>
<td>35.9</td>
<td>60.0 (Max)</td>
</tr>
<tr>
<td>3</td>
<td>Sulphur dioxide (SO2)</td>
<td>IS 5182 (Part 2): 2001</td>
<td>µg/m³</td>
<td>&lt; 4.00</td>
<td>80.0 (Max)</td>
</tr>
<tr>
<td>4</td>
<td>Nitrogen dioxide (NO2)</td>
<td>IS 5182 (Part 6): 2006</td>
<td>µg/m³</td>
<td>&lt; 4.00</td>
<td>80.0 (Max)</td>
</tr>
</tbody>
</table>

Remarks: The Air sample complies with National Ambient Air Quality Standards with respect to above parameters tested.

***End of Report***
CUSTOMER DETAILS

Customer Name & Address: M/s Adani Vizhinjam Port Pvt Ltd
Manickal, Nedumangad,
Thiruvananthapuram District.

Customer Reference: Test Request dt: 14-02-2023

SAMPLE DETAILS

Product Category: Atmospheric Pollution
Sample Code: EN23020441

Sample Name: Ambient Air
Sample Received on: 17-02-2023

Sample Conditions at Receipt: Fit for Analysis
Test Commenced on: 17-02-2023

Sampled by: Lab Authorized Sampler
Test Completed on: 24-02-2023

DETAILS OF SAMPLING

Sampling Location: Kovilvila Sree Mahavishnu Temple
(2.34 km away from Project Site)

Date of Sampling: 14-02-2023

Sampling Procedure: SEAAL/ENL/GEN/SOP/02
Humidity: 72%

Latitude: 8°39'42.21"N
Longitude: 76°56'36.24"N

INFORMATION PROVIDED BY CUSTOMER - SAMPLING SITE DETAILS

Re - Survey No: 120/10, Block No.29

Village: Manickal
Taluk: Nedumangad

District: Thiruvananthapuram
State: Kerala

TEST RESULTS – CHEMICAL DISCIPLINE

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>PARAMETERS</th>
<th>TEST METHOD</th>
<th>UNIT</th>
<th>RESULT</th>
<th>NAAQ STANDARDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Particulate matter (PM(_{10}))</td>
<td>IS 5182 (Part 23): 2006</td>
<td>(\mu g/m^3)</td>
<td>55.8</td>
<td>100 (Max)</td>
</tr>
<tr>
<td>2</td>
<td>Particulate matter (PM(_{2.5}))</td>
<td>IS 5182 (Part 24):2019</td>
<td>(\mu g/m^3)</td>
<td>30.6</td>
<td>60.0 (Max)</td>
</tr>
<tr>
<td>3</td>
<td>Sulphur dioxide (SO(_2))</td>
<td>IS 5182 (Part 2): 2001</td>
<td>(\mu g/m^3)</td>
<td>&lt; 4.00</td>
<td>80.0 (Max)</td>
</tr>
<tr>
<td>4</td>
<td>Nitrogen dioxide (NO(_2))</td>
<td>IS 5182 (Part 6): 2006</td>
<td>(\mu g/m^3)</td>
<td>&lt; 4.00</td>
<td>80.0 (Max)</td>
</tr>
</tbody>
</table>

Remarks: The Air sample complies with National Ambient Air Quality Standards with respect to above parameters tested.

***End of Report***
TEST REPORT

ULR No: TC5402230000003370F

CUSTOMER DETAILS
Customer Name & Address: M/s Adani Vizhinjam Port Pvt Ltd
Manickal, Nedumangad, Thiruvananthapuram District.
Customer Reference: Test Request dt : 14-02-2023

SAMPLE DETAILS
Product Category: Atmospheric Pollution
Sample Name: Ambient Air
Sample Code: EN230204
Sample Conditions at Receipt: Fit for Analysis
Test Commenced on: 17-02-2023
Sample Received on: 17-02-2023
Sampled by: Lab Authorized Sampler
Test Completed on: 24-02-2023

DETAILS OF SAMPLING
Sampling Location: Operators Rest Room (0.47 km away from Project Site)
Date of Sampling: 14-02-2023
Sampling Procedure: SEAAL/ENL/GEN/SOP/02
Humidity: 72%
Latitude: 8°39’17.89"N
Longitude: 76°55’39.92”E

INFORMATION PROVIDED BY CUSTOMER - SAMPLING SITE DETAILS
Re - Survey No: 120/10, Block No.29
Village: Manickal
Taluk: Nedumangad
District: Thiruvananthapuram
State: Kerala

TEST RESULTS – CHEMICAL DISCIPLINE

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>PARAMETERS</th>
<th>TEST METHOD</th>
<th>UNIT</th>
<th>RESULT</th>
<th>NAAQ STANDARDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Particulate matter (PM10)</td>
<td>IS 5182 (Part 23): 2006</td>
<td>µg/m³</td>
<td>53.1</td>
<td>100 (Max)</td>
</tr>
<tr>
<td>2</td>
<td>Particulate matter (PM2.5)</td>
<td>IS 5182 (Part 24):2019</td>
<td>µg/m³</td>
<td>26.4</td>
<td>60.0 (Max)</td>
</tr>
<tr>
<td>3</td>
<td>Sulphur dioxide (SO2)</td>
<td>IS 5182 (Part 2): 2001</td>
<td>µg/m³</td>
<td>&lt; 4.00</td>
<td>80.0 (Max)</td>
</tr>
<tr>
<td>4</td>
<td>Nitrogen dioxide (NO2)</td>
<td>IS 5182 (Part 6): 2006</td>
<td>µg/m³</td>
<td>&lt; 4.00</td>
<td>80.0 (Max)</td>
</tr>
</tbody>
</table>

Remarks: The Air sample complies with National Ambient Air Quality Standards with respect to above parameters tested.

***End of Report***
Annexure 10: Noise Monitoring Report
CUSTOMER DETAILS
Customer Name & Address: M/s Adani Vizhinjam Port Pvt Ltd, Manickal, Nedumangad, Thiruvananthapuram District.
Customer Reference: Test Request dt: 14-02-2023

DETAILS OF MONITORING
Product Category: Atmospheric Pollution
Sample Code: EN23020443
Sample Name: Ambient Noise
Monitoring Location: Project Site
Monitoring Completed on: 15-02-2023
Test Method: IS 9989:1981
Monitored by: Lab Authorized Sampler
Latitude: 8°39'32.44"N Longitude: 76°55'40.26"E

INFORMATION PROVIDED BY CUSTOMER - SAMPLING SITE DETAILS
Re - Survey No: 120/10, Block No.29
Village: Manickal
Taluk: Nedumangad
District: Thiruvananthapuram
State: Kerala

MONITORING RESULTS - Leq

<table>
<thead>
<tr>
<th>TIME</th>
<th>RESULTS dB(A)</th>
<th>TIME</th>
<th>RESULTS dB(A)</th>
<th>TIME</th>
<th>RESULTS dB(A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>06:00</td>
<td>45.2</td>
<td>14:00</td>
<td>60.6</td>
<td>22:00</td>
<td>43.8</td>
</tr>
<tr>
<td>07:00</td>
<td>48.5</td>
<td>15:00</td>
<td>61.0</td>
<td>23:00</td>
<td>37.8</td>
</tr>
<tr>
<td>08:00</td>
<td>53.6</td>
<td>16:00</td>
<td>62.4</td>
<td>24:00</td>
<td>40.6</td>
</tr>
<tr>
<td>09:00</td>
<td>57.8</td>
<td>17:00</td>
<td>62.9</td>
<td>01:00</td>
<td>41.3</td>
</tr>
<tr>
<td>10:00</td>
<td>60.6</td>
<td>18:00</td>
<td>56.4</td>
<td>02:00</td>
<td>41.0</td>
</tr>
<tr>
<td>11:00</td>
<td>64.3</td>
<td>19:00</td>
<td>52.2</td>
<td>03:00</td>
<td>41.7</td>
</tr>
<tr>
<td>12:00</td>
<td>61.0</td>
<td>20:00</td>
<td>47.5</td>
<td>04:00</td>
<td>40.6</td>
</tr>
<tr>
<td>13:00</td>
<td>60.1</td>
<td>21:00</td>
<td>47.0</td>
<td>05:00</td>
<td>42.5</td>
</tr>
</tbody>
</table>

TEST RESULTS– CHEMICAL DISCIpline

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>PARAMETERS</th>
<th>UNIT</th>
<th>RESULT</th>
<th>Limit as per Noise Pollution (Regulation and Control) Rules, 2000 (Industrial Area)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Ambient Sound Level (Leq) Day Time (06:00 to 22:00)</td>
<td>dB(A)</td>
<td>59.1</td>
<td>75 dB (A)</td>
</tr>
<tr>
<td>2</td>
<td>Ambient Sound Level (Leq) Night Time (22:00 to 06:00)</td>
<td>dB(A)</td>
<td>41.0</td>
<td>70 dB (A)</td>
</tr>
</tbody>
</table>

Remarks: The Noise level Monitoring complies with the Noise Pollution (Regulation and Control) Rules, 2000 (Rules 3 (1) and 4(1)).

***End of Report***
TEST REPORT

ULR No: TC540223000003372F
LRI No.: SEAAL23021339A Date: 25-02-2023 Page 1 of 1

CUSTOMER DETAILS

Customer Name & Address: M/s Adani Vizhinjam Port Pvt Ltd
Manickal, Nedumangad, Thiruvananthapuram District.
Customer Reference: Test Request dt: 14-02-2023

DETAILS OF MONITORING

Product Category: Atmospheric Pollution
Sample Code: EN23020444
Sample Name: Ambient Noise
Monitoring Location: St. Johns Hospital, Manikkal (1.4 km away from Project Site)
Monitoring Commenced on: 14-02-2023
Monitoring Completed on: 15-02-2023
Test Method: IS 9989:1981
Latitude: 8°39'44.90"N
Longitude: 76°54'56.31"E

INFORMATION PROVIDED BY CUSTOMER - SAMPLING SITE DETAILS

Re - Survey No: 120/10, Block No.29
Village: Manickal
Taluk: Nedumangad
District: Thiruvananthapuram
State: Kerala

MONITORING RESULTS - Leq

<table>
<thead>
<tr>
<th>TIME</th>
<th>RESULTS dB(A)</th>
<th>TIME</th>
<th>RESULTS dB(A)</th>
<th>TIME</th>
<th>RESULTS dB(A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>06:00</td>
<td>39.9</td>
<td>14:00</td>
<td>53.4</td>
<td>22:00</td>
<td>38.6</td>
</tr>
<tr>
<td>07:00</td>
<td>42.7</td>
<td>15:00</td>
<td>53.8</td>
<td>23:00</td>
<td>37.2</td>
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<td>08:00</td>
<td>47.3</td>
<td>16:00</td>
<td>55.1</td>
<td>24:00</td>
<td>39.9</td>
</tr>
<tr>
<td>09:00</td>
<td>51.0</td>
<td>17:00</td>
<td>55.5</td>
<td>01:00</td>
<td>40.7</td>
</tr>
<tr>
<td>10:00</td>
<td>53.4</td>
<td>18:00</td>
<td>49.7</td>
<td>02:00</td>
<td>40.3</td>
</tr>
<tr>
<td>11:00</td>
<td>56.7</td>
<td>19:00</td>
<td>46.0</td>
<td>03:00</td>
<td>41.1</td>
</tr>
<tr>
<td>12:00</td>
<td>53.8</td>
<td>20:00</td>
<td>41.9</td>
<td>04:00</td>
<td>39.9</td>
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<td>13:00</td>
<td>53.0</td>
<td>21:00</td>
<td>41.4</td>
<td>05:00</td>
<td>41.9</td>
</tr>
</tbody>
</table>

TEST RESULTS - CHEMICAL DISCIPLINE

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>PARAMETERS</th>
<th>UNIT</th>
<th>RESULT</th>
<th>Limit as per Noise Pollution (Regulation and Control) Rules, 2000 (Industrial Area)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Ambient Sound Level (Leq) Day Time (06:00 to 22:00)</td>
<td>dB(A)</td>
<td>51.9</td>
<td>75 dB (A)</td>
</tr>
<tr>
<td>2</td>
<td>Ambient Sound Level (Leq) Night Time (22:00 to 06:00)</td>
<td>dB(A)</td>
<td>40.3</td>
<td>70 dB (A)</td>
</tr>
</tbody>
</table>

Remarks: The Noise level Monitoring complies with the Noise Pollution (Regulation and Control) Rules, 2000 (Rules3 (1) and 4(1)).

***End of Report***

The results are related only to the samples submitted for analysis and this test report shall not be reproduced except in full, without the written approval of the laboratory.

Shenoy Joy
Dy.TM-Chemical
Checked by:

Laiju P.N.
Laboratory Head
Authorized Signatory

Standard Environmental & Analytical Laboratories
Accreditation & Approval: NABL accredited Testing Laboratory as per ISO/IEC 17025:2017
give Certificate No. TC - 5402 & “A” Grade Laboratory approved by KSPCB.
K.J. Tower, Pathalam, Udyogamandal P.O., Ernakulam-683 501, Tel. 0484-2546660, 93 87 27 24 02, 90 74 34 14 43
Web: www.sealabs.in, E-mail: sealab@gmail.com
TEST REPORT

ULR No: TC540223000003373F

LRI No.: SEAAL23021340A Date: 25-02-2023 Page 1 of 1

CUSTOMER DETAILS

Customer Name & Address: M/s Adani Vizhinjam Port Pvt Ltd
Manickal, Nedumangad, Thiruvananthapuram District.

Customer Reference: Test Request dt: 14-02-2023

DETAILS OF MONITORING

Product Category: Atmospheric Pollution
Sample Code: EN2302044

Sample Name: Ambient Noise
Monitoring Commenced on: 14-02-2023
Monitoring Location: Govt. L P School, Perumala (2.5 km away from Project Site)
Monitoring Completed on: 15-02-2023

Test Method: IS 9989:1981
Monitored by: Lab Authorized Sampler

Latitude: 8°40'52.37"N
Longitude: 76°55'50.28"E

INFORMATION PROVIDED BY CUSTOMER - SAMPLING SITE DETAILS

Re - Survey No: 120/10, Block No.29
Village: Manickal
District: Thiruvananthapuram
Taluk: Nedumangad
State: Kerala

MONITORING RESULTS - Leq

<table>
<thead>
<tr>
<th>TIME</th>
<th>RESULTS dB(A)</th>
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<th>TIME</th>
<th>RESULTS dB(A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>06:00</td>
<td>39.5</td>
<td>14:00</td>
<td>52.9</td>
<td>22:00</td>
<td>38.3</td>
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<tr>
<td>07:00</td>
<td>42.3</td>
<td>15:00</td>
<td>53.3</td>
<td>23:00</td>
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<td>46.8</td>
<td>16:00</td>
<td>54.5</td>
<td>24:00</td>
<td>40.4</td>
</tr>
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<td>17:00</td>
<td>54.9</td>
<td>01:00</td>
<td>41.1</td>
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<td>52.9</td>
<td>18:00</td>
<td>49.2</td>
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<td>40.7</td>
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<td>56.2</td>
<td>19:00</td>
<td>45.6</td>
<td>03:00</td>
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<td>52.5</td>
<td>21:00</td>
<td>41.0</td>
<td>05:00</td>
<td>42.3</td>
</tr>
</tbody>
</table>

TEST RESULTS - CHEMICAL DISCIPLINE

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>PARAMETERS</th>
<th>UNIT</th>
<th>RESULT</th>
<th>Limit as per Noise Pollution (Regulation and Control) Rules, 2000 (Industrial Area)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Ambient Sound Level (Leq) Day Time (06:00 to 22:00)</td>
<td>dB(A)</td>
<td>51.4</td>
<td>75 dB (A)</td>
</tr>
<tr>
<td>2</td>
<td>Ambient Sound Level (Leq) Night Time (22:00 to 06:00)</td>
<td>dB(A)</td>
<td>40.8</td>
<td>70 dB (A)</td>
</tr>
</tbody>
</table>

Remarks: The Noise level Monitoring complies with the Noise Pollution (Regulation and Control) Rules, 2000 (Rules 3(1) and 4(1)).

***End of Report***
CUSTOMER DETAILS

Customer Name & Address: M/s Adani Vizhinjam Port Pvt Ltd
Manickal, Nedumangad,
Thiruvananthapuram District.
Customer Reference: Test Request dt: 14-02-2023

DETAILS OF MONITORING

Product Category: Atmospheric Pollution
Sample Code: EN2302044
Sample Name: Ambient Noise
Monitoring Location: Kovilvila Sree Mahavishnu Temple (1.7 km away from Project Site)
Test Method: IS 9989:1981
Monitoring Commenced on: 14-02-2023
Monitoring Completed on: 15-02-2023
Latitude: 8°39'42.2"N
Longitude: 76°56'36.2"N

INFORMATION PROVIDED BY CUSTOMER - SAMPLING SITE DETAILS

Re - Survey No: 120/10, Block No.29
Village: Manickal
Taluk: Nedumangad
District: Thiruvananthapuram
State: Kerala

MONITORING RESULTS - Leq

<table>
<thead>
<tr>
<th>TIME</th>
<th>RESULTS dB(A)</th>
<th>TIME</th>
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<th>TIME</th>
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</tr>
</thead>
<tbody>
<tr>
<td>06:00</td>
<td>38.9</td>
<td>14:00</td>
<td>52.1</td>
<td>22:00</td>
<td>37.7</td>
</tr>
<tr>
<td>07:00</td>
<td>41.7</td>
<td>15:00</td>
<td>52.5</td>
<td>23:00</td>
<td>37.2</td>
</tr>
<tr>
<td>08:00</td>
<td>46.1</td>
<td>16:00</td>
<td>53.7</td>
<td>24:00</td>
<td>39.9</td>
</tr>
<tr>
<td>09:00</td>
<td>49.7</td>
<td>17:00</td>
<td>54.1</td>
<td>01:00</td>
<td>40.7</td>
</tr>
<tr>
<td>10:00</td>
<td>52.1</td>
<td>18:00</td>
<td>48.5</td>
<td>02:00</td>
<td>40.3</td>
</tr>
<tr>
<td>11:00</td>
<td>55.3</td>
<td>19:00</td>
<td>44.9</td>
<td>03:00</td>
<td>41.1</td>
</tr>
<tr>
<td>12:00</td>
<td>52.5</td>
<td>20:00</td>
<td>40.9</td>
<td>04:00</td>
<td>39.9</td>
</tr>
<tr>
<td>13:00</td>
<td>51.7</td>
<td>21:00</td>
<td>40.4</td>
<td>05:00</td>
<td>41.9</td>
</tr>
</tbody>
</table>

TEST RESULTS - CHEMICAL DISCIPLINE

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>PARAMETERS</th>
<th>UNIT</th>
<th>RESULT</th>
<th>Limit as per Noise Pollution (Regulation and Control) Rules, 2000 (Industrial Area)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Ambient Sound Level (Leq) Day Time (06:00 to 22:00)</td>
<td>dB(A)</td>
<td>50.6</td>
<td>75 dB (A)</td>
</tr>
<tr>
<td>2</td>
<td>Ambient Sound Level (Leq) Night Time (22:00 to 06:00)</td>
<td>dB(A)</td>
<td>40.3</td>
<td>70 dB (A)</td>
</tr>
</tbody>
</table>

Remarks: The Noise level Monitoring complies with the Noise Pollution (Regulation and Control) Rules, 2000 (Rules3 (1) and 4(1)).

***End of Report***
TEST REPORT

ULR No: TC540223000003375F

Date: 25-02-2023

CUSTOMER DETAILS

Customer Name & Address: M/s Adani Vizhinjam Port Pvt Ltd
Manickal, Nedumangad,
Thiruvananthapuram District.

Customer Reference: Test Request dt: 14-02-2023

DETAILS OF MONITORING

<table>
<thead>
<tr>
<th>Product Category</th>
<th>Sample Code</th>
<th>Sample Name</th>
<th>Monitoring Location</th>
<th>Monitoring Commenced on</th>
<th>Monitoring Completed on</th>
</tr>
</thead>
<tbody>
<tr>
<td>Atmospheric Pollution</td>
<td>EN23020447</td>
<td>Ambient Noise</td>
<td>Operators Rest Room</td>
<td>14-02-2023</td>
<td>15-02-2023</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(0.45 km away from Project Site)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Test Method: IS 9989:1981

Latitude: 8°39'17.89"N
Longitude: 76°55'39.92"E

INFORMATION PROVIDED BY CUSTOMER - SAMPLING SITE DETAILS

Re- Survey No: 120/10, Block No.29
Village: Manickal
Taluk: Nedumangad
District: Thiruvananthapuram
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MONITORING RESULTS - Leq

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Remarks: The Noise level Monitoring complies with the Noise Pollution (Regulation and Control) Rules, 2000 (Rules3 (1) and 4(1)).

***End of Report***
Half Yearly Compliance Report (HYCR)
October 2022 to March 2023

Building Stone Quarry Project in Block No. 29, Re-survey No. 120/10 at Manickal Village, Nedumangad Taluk, Thiruvananthapuram District

Adani Vizhinjam Port Private Ltd. (AVPPL)