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To: rosz.bng-mefcc@gov.in
Cc: seacseiaakerala@gmail.com; [Shalin Shah](#); [Manoranjan Tripathy](#); [Harsh Yadav](#); [Hebin Chenthamarakshan](#); [Jesse Benjamin Fullonton](#)
Subject: EC No. 1200/EC2/2018/SEIAA dated 01.03.2019 - Half Yearly Compliance Report - Oct 2019 to Mar 2020 - Reg.
Date: 14 May 2020 16:43:44
Attachments: [pastedImagebase640.png](#)
[EC No.1200_EC2_2018_SEIAA dated 01.03.2019-Half Yealy Compliance Report-Oct19-Mar20.pdf](#)

Dear Sir/Madam,

This has reference to the Environmental Clearance (EC) Order No. 1200/EC2/2018/SEIAA issued on 3rd March 2019 by the State Environmental Impact Assessment Authority (SEIAA), Kerala for our Building Stone Quarry Project in Survey No. 555/2 at Nagaroor Village, Chirayinkeezhu Taluk, Thiruvananthapuram District.

The Half Yearly Compliance Report (HYCR) of the conditions stipulated in the EC for the period October 2019 to March 2020 is attached; 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. Ltd.

2nd Floor, Vipanchika Tower, PO-Thycaud, Trivandrum- 695014, Kerala, India
Direct Line: 0471 277 2116 | www.adani.com



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Ports and
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AVPPL/MoEF/2020-21/1117

Date: 07th May 2020

To,

Additional Principal Chief Conservator of Forests (C),
Ministry of Environment Forest and Climate Change (MoEF&CC),
Regional Office (Southern Zone), Kendriya Sadan,
IVth Floor, E&F Wings, 17th Main Road, IInd Block,
Koramangala, Bangalore-560034
rosz.bng-mefcc@gov.in
Ph: 080-25635901

Subject: Submission of Half Yearly Compliance Report (HYCR) to Conditions of Environmental Clearance (EC) for the Period **October 2019 to March 2020** - Reg.

Reference: EC for the proposed building stone quarry project in Survey No. 555/2 at Nagaroor Village, Chirayinkeezhu Taluk, Thiruvananthapuram District, Kerala by Mr. Rajesh Jha, Chief Executive Officer, M/s Adani Vizhinjam Port Private Limited, **No. 1200/EC2/2018/SEIAA dated 01.03.2019**

Dear Sir,

This has reference to the Environmental Clearance (EC) Order No. 1200/EC2/2018/SEIAA issued on 3rd March 2019 (vide reference cited) by the State Environmental Impact Assessment Authority (SEIAA), Kerala for the proposed building stone quarry project in Survey No. 555/2 at Nagaroor Village, Chirayinkeezhu Taluk, Thiruvananthapuram District.

Adani Vizhinjam Port Private Limited
2nd Floor, Vipanchika Tower, Thycaud
Thiruvananthapuram
Kerala-695014

www.adani.com
CIN -U61200GJ2015PTC083954

Registered Office: Adani House, Nr Mithakhali Circle, Navrangpura, Ahmedabad 380 009, Gujarat, India



Ports and
Logistics

The compliance report of the conditions stipulated in the cited reference for the half yearly period from October 2019 to March 2020 is enclosed herewith for record and reference.

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

Thanking you.

Yours Sincerely
Rajesh Jha
CEO – Authorized Signature



Enclosed: As mentioned above

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

Adani Vizhinjam Port Private Limited
2nd Floor, Vipanchika Tower, Thycaud
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Building Stone Quarry Project

**Survey No. 555/2 at Nagaroor Village,
Chirayinkeezhu Taluk, Thiruvananthapuram District**

Environmental Clearance (EC) Order No. 1200/EC2/2018/SEIAA dated 01.03.2019


**Half Yearly Compliance Report (HYCR)
for the Period October 2019 to March 2020**

Project Proponent




Adani Vizhinjam Port Private Ltd. (AVPPL)

May 2020

	Adani Vizhinjam Port Private Limited (AVPPL)	From: October 2019 To: March 2020
Building Stone Quarry Project in Survey No. 555/2 at Nagaroor Village, Chirayinkeezhu Taluk, Thiruvananthapuram District		

Compliance Report on Conditions Stipulated in Environmental Clearance (EC) Order No. 1200/EC2/2018/SEIAA dated 01.03.2019 for the Period October 2019 to March 2020

S. No.	Conditions	Compliance Status as on March 31, 2020
Specific Conditions		
1	The mining should be conducted with Non-Electric Detonator (NONEL) Method thereby minimizing air blast, fly rock and ground vibration.	Complied Mining is being conducted using Non-Electric Detonator (NONEL) method of Blasting only. To minimize the air blast, fly rock and ground vibration.
2	Extract a maximum of 7 lakh tons of building stone within a period of two years. Further permission for mining may be considered based on the requirement then and environmental assessment.	Will be Complied From 20.06.2019 to 31.03.2020, a total of 1.95 Lakh tons of building stones have been extracted against first year production. As per the approved mining plan; which was revised based on the decision of SEIAA to accommodate a maximum of 7 lakh tons of building stone within a period of two years of mining as 1 st Year – 3.99 Lakh Tons and 2 nd Year – 3.00 Lakh Tons. However, the 1 st Year mining quantity could not be attained due to several reasons: <ol style="list-style-type: none"> 1. The Lease Order from Director of Mining & Geology (DMG) was executed on 20.05.2019 and Quarrying Lease Registration Agreement was registered on 22.05.2019 2. The full capacity of Men and Machineries movements completed by 30.06.2019. 3. The approach road work completed by 05.07.2109. 4. The dispatches of boulders started by 07.07.2019. 5. Due to heavy rain the Govt. had given stop memo to suspend the Mining Operation and the dispatches to Vizhinjam were affected up to end of October 2019. 6. Several festivals had also slowed down the work such as Thiruvananthapuram Pongala; where employees would return to their hometowns 7. The production had also been affected due to the situation arising due to COVID-19 pandemic by March 2020. <p>The mining operations were affected and the approved quantity of extraction for 1st year was not achieved.</p>


	Adani Vizhinjam Port Private Limited (AVPPL)	From: October 2019 To: March 2020
Building Stone Quarry Project in Survey No. 555/2 at Nagaroor Village, Chirayinkeezhu Taluk, Thiruvananthapuram District		

Compliance Report on Conditions Stipulated in Environmental Clearance (EC) Order No. 1200/EC2/2018/SEIAA dated 01.03.2019 for the Period October 2019 to March 2020

S. No.	Conditions	Compliance Status as on March 31, 2020
		Further permissions will be applied for from SEIAA based on the requirement and environmental assessment.
3	The proponent shall file an affidavit that he will expend Rs. 15 lakhs as a part of CER in consultation with Local Self Government.	Complied AVPPL have submitted to SEIAA an affidavit dated 08.11.2019 duly signed by the MD and CEO vide letter AVPPL/SEIAA/2019-20/945 dated 15.11.2019 that Rs. 15 Lakhs will be spent as a part of Corporate Environment Responsibility (CER) in consultation with the Local Self Government. A copy of the affidavit and the cover letter is enclosed as Annexure 1 .
4	The proponent should follow the closure plans (progressive closure and final closure) as per KMMC Rules.	Will be Complied AVPPL will follow the closure plans (progressive closure and final closures) as per Kerala Minor Minerals Concession (KMMC) Rules and Mine Closure Plan in the Approved Mining Plan. Approved Mining Plan was submitted along with Half Yearly EC Compliance Report (HYCR) for the period April 2019 to September 2019). The closure procedure (progressive closure and final closures) shall be documented prior to and during the closure of the mine.
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 A separate 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 details of the EMMC was submitted along with HYCR for the period April 2019 to September 2019.
2	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.	Will be Complied There is already existing plantation along the tar road. AVPPL will plant suitable avenue trees along the safety zones, along the boundary of the quarry and on either side of the internal road. Avenue Planation work will be initiated prior to inception of the upcoming monsoon.
3	Sprinklers shall be installed and used in the project site to contain dust emissions.	Being Complied Regular water sprinkling through water tankers on haul road and other dust prone areas such


adani	Adani Vizhinjam Port Private Limited (AVPPL)	From: October 2019 To: March 2020
Building Stone Quarry Project in Survey No. 555/2 at Nagaroor Village, Chirayinkeezhu Taluk, Thiruvananthapuram District		

Compliance Report on Conditions Stipulated in Environmental Clearance (EC) Order No. 1200/EC2/2018/SEIAA dated 01.03.2019 for the Period October 2019 to March 2020

S. No.	Conditions	Compliance Status as on March 31, 2020
		<p>as loading and unloading of minerals is being carried out.</p>  <p>Water Sprinkling through Tankers</p>
4	Eco-restoration including the mine closure plan shall be done at the own cost of the project proponent	<p>Will be Complied</p> <p>Eco-restoration including Mine Closure Plan is provided in the Approved Mining Plan. Approved Mining Plan was submitted along with HYCR for the period April 2019 to September 2019. The same shall be implemented during the closure procedure at the cost of AVPPL.</p>
5	In view of the deep pits left after the excavation, stacking at maximum top level should be carried out.	<p>Not Applicable</p> <p>Stacking of materials is not being carried out as all the produced materials are used for Breakwater Construction at Vizhinjam Port and being transported directly to the Port site and not stacked at the quarry site. There is also no overburden stacking as there is no overburden available in the quarry since the quarry has been mined earlier by other parties and is an already open mine.</p> <p>As per the mine closure plan the pit will be utilized for storing of water as a rainwater harvesting method and will also be induced to sustain the groundwater table. As per the post mining land use, an area of 0.9540 Ha will be used for water pond for storage of water.</p>
6	Corporate Environment Responsibility agreed upon by the proponent should be implemented.	<p>Will be Complied</p> <p>A total of Rs. 15 Lakhs will be spent on CER. AVPPL are coordinating with the Local Self Government regarding approval of the proposed CER plan with expense heads under specific</p>


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Building Stone Quarry Project in Survey No. 555/2 at Nagaroor Village, Chirayinkeezhu Taluk, Thiruvananthapuram District		

Compliance Report on Conditions Stipulated in Environmental Clearance (EC) Order No. 1200/EC2/2018/SEIAA dated 01.03.2019 for the Period October 2019 to March 2020

S. No.	Conditions	Compliance Status as on March 31, 2020
		<p>activities in line with MoEF&CC Office Memorandum (OM) F.No.22-65/2017-IA.III dated 01.05.2018.</p> <p>AVPPL had prepared a plan for the budget of Rs. 15 lakhs and have submitted the same to the Nagaroor Gram Panchayat seeking their confirmation and go ahead for the proposed CER (Proposed plan is enclosed as Annexure 2). Correspondence to the President of the Nagaroor Gram Panchayat was submitted along with HYCR for the period April 2019 to September 2019. Awaiting official communication from the office of the Gram Panchayat approving the CER activities plan.</p> <p>However, considering the requirement of the local people and on request from the local panchayat, AVPPL have taken a decision to supply drinking water to the local people in the vicinity of the project site as a part of CER activity. Work was awarded to a local contractor to supply water through tankers.</p>  <p>Drinking Water Supply as a part of CER</p>
7	The project proponent shall comply the conditions stipulated by the statutory authorities concerned	<p>Being Complied</p> <p>AVPPL are complying with all applicable conditions stipulated by respective competent statutory authorities.</p>
8	Tarring /multiple options on the	Complied


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Building Stone Quarry Project in Survey No. 555/2 at Nagaroor Village, Chirayinkeezhu Taluk, Thiruvananthapuram District		

Compliance Report on Conditions Stipulated in Environmental Clearance (EC) Order No. 1200/EC2/2018/SEIAA dated 01.03.2019 for the Period October 2019 to March 2020

S. No.	Conditions	Compliance Status as on March 31, 2020
	access roads shall be undertaken so as to reduce dust pollution during movement of vehicle.	AVPPL have developed a tar road of around 0.9 km from the quarry project site gate to Kadavilla Junction (which is connected to SH46 and onto NH66) for movement of vehicles; thereby reducing the dust pollution. 
		Tar Road at Project Site
9	Overburden materials should be managed within the site and used for reclamation of mine pit as per mine closure plan / specific conditions	Not Applicable The quarry has been mined earlier by another party and is an already open mine. There is no top soil or overburden available in the quarry. The produced materials are all used for Breakwater Construction at Vizhinjam Port and therefore there is no requirement of dump sites.
10	Height of benches should not exceed 5 m, and width should not be less than 5 m, if there is no mention in the mining plan/specific condition.	Being Complied As per the approved mining plan, bench height and width need to be maintained at maximum of 6.0 m also a 45° pit slope will be maintained; same is being adhered to.
11	Ground level should be fixed in individual cases separately	Complied For every bench, ground level is fixed in MSL as individual cases separately. Surface plan with MSL levels is provided in the Approved Mining Plan. Approved Mining Plan was submitted along with HYCR for the period April 2019 to September 2019.
12	No mining operations should be carried out at places having a slope greater than 45.	Being Complied No Mining operations are being carried out at places having a slope greater than a 45 degrees angle.
13	Acoustic enclosures should have been provided to reduce sound	Not Applicable There is no crusher adjacent to the quarry and

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Building Stone Quarry Project in Survey No. 555/2 at Nagaroor Village, Chirayinkeezhu Taluk, Thiruvananthapuram District		


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S. No.	Conditions	Compliance Status as on March 31, 2020
	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	the same is not proposed.
14	The workers on the site should be provided with the required protective equipment such as ear muffs, helmet, etc.	<p>Being Complied</p> <p>All employees are provided with relevant Personal Protective Equipment (PPEs) like Helmets, Shoes, Fluorescent Reflective Jackets, etc.</p> <p>The site also observed World Safety Week from 04.03.2020 to 10.03.2020 where awareness was imparted to all the employees about safety including personal safety and importance of PPEs.</p>  <p>Employees with PPEs</p>
15	Garland drains with clarifiers to be provided in the lower slopes around the core area to channelize storm water.	<p>Will be Complied</p> <p>Mining operations are being carried out in the top level during the compliance period; garland drainage will be developed as the mining progresses in the lower slopes to channelize storm water.</p>
16	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	<p>Being Complied</p> <p>The transportation of minerals in trucks is being undertaken covered with tarpaulin cover.</p>

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S. No.	Conditions	Compliance Status as on March 31, 2020
	should assess the number of trees in each project site before the issuance of EC so as to ensure the promptness in, planting.	 <p>Truck with Tarpaulin Cover</p> <p>Since this is an existing quarry which was already mined earlier, the quarry is in opened condition. There was no clearing of land for the project and no trees have been cut as there are no trees inside the lease area.</p>
17	Explosives should be stored in magazines in isolated place specified and approved by Explosives Department	<p>Will be Complied</p> <p>As on date, explosives are being procured directly from the approved dealer and not being stored at the project site. However, magazine has been constructed in an isolated area called Chappath; which is 50 km away from the quarry location. Awaiting approval from the Trivandrum District Collector for storage of explosives in the magazine.</p> <p>AVPPL have obtained permission from Dy. Chief Controller of Explosives, Ernakulum to possess and use of the Explosives directly in our Quarry on the basis of Form 22 of Indian Explosives Act, 1884.</p>
18	A minimum buffer distance of	Complied

	Adani Vizhinjam Port Private Limited (AVPPL)	From: October 2019 To: March 2020
Building Stone Quarry Project in Survey No. 555/2 at Nagaroor Village, Chirayinkeezhu Taluk, Thiruvananthapuram District		


Compliance Report on Conditions Stipulated in Environmental Clearance (EC) Order No. 1200/EC2/2018/SEIAA dated 01.03.2019 for the Period October 2019 to March 2020

S. No.	Conditions	Compliance Status as on March 31, 2020
	100m from the boundary of the quarry to the nearest dwelling unit or other structures, not being any facility for mining shall be provided.	<p>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 a distance of 50 m from any residential buildings or from the nearest dwelling unit or other structures.</p> <p>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.</p> <p>Further, DMG had communicated to SEIAA vide its letter No. 9363/M3/2018 dated 23.03.2019 (Annexure 3) that as per Rule 40 1(i) of the KMMC Rules, the lessee is permitted to carry out mining at a distance of 50 m from the residential houses.</p> <p>As per the map prepared by the village officer, the nearest house is ~60 m from the boundary of the quarry.</p>
19	50 m buffer distance should be maintained from forest boundaries.	<p>Not Applicable</p> <p>There are no forests in the vicinity of the project site.</p>
20	Consent from Kerala State Pollution Control Board under Water and Air Act(s) should be obtained before initiating mining activity.	<p>Complied</p> <p>CTO has been obtained from Kerala State Pollution Control Board (KSPCB) vide Consent No. PCB/TVM-DO/ICO/QRY/103/2019 dated 05.03.2019 valid up to 27.02.2021. A copy of the same was submitted along with HYCR for the period April 2019 to September 2019.</p>
21	All other statutory clearances should be obtained, as applicable, by project proponents from the respective competent authorities including that for blasting and storage of explosives.	<p>Complied</p> <p>AVPPL have obtained all applicable statutory clearances from the respective competent authorities. The following clearances have been obtained:</p> <ul style="list-style-type: none"> Govt. Land No Objection Certificate (NoC) from Trivandrum District Collector vide Letter No. B7-40269/2017 dated 30.04.2018 Letter of Intent from DMG vide Letter No. 9363/M3/2018 dated 04.09.2018 CTO has been obtained from KSPCB vide

	Adani Vizhinjam Port Private Limited (AVPPL)	From: October 2019 To: March 2020
Building Stone Quarry Project in Survey No. 555/2 at Nagaroor Village, Chirayinkeezhu Taluk, Thiruvananthapuram District		


Compliance Report on Conditions Stipulated in Environmental Clearance (EC) Order No. 1200/EC2/2018/SEIAA dated 01.03.2019 for the Period October 2019 to March 2020

S. No.	Conditions	Compliance Status as on March 31, 2020
		<p>Consent No. PCB/TVM-DO/ICO/QRY/103/2019 dated 05.03.2019 valid up to 27.02.2021</p> <ul style="list-style-type: none"> • Purchase and Use of Explosives Approval from Petroleum & Explosives Safety Organization (PESO), Ernakulam vide Letter No. E/Misc/Expl dated 27.03.2019 • Dangerous and Offensive Trade (D&O) License from Nagaroor Gram Panchayat vide License Number A2.1836\2019 dated 01.04.2019 • NoC for Use of Explosives from District Collector, Thiruvananthapuram vide File No.DCTVM/2436/2019-A17 dated 09.05.2019 • Approved Mining Plan by District Geologist, Trivandrum vide Letter No. 1716/DOT/ML/18 dated 20.05.2019 • Lease Order from DMG vide Letter No. 9363/M3/2018 dated 20.05.2019 • Lease Execution from Additional Director of Mining and Geology vide Letter No. 79/2019-20/9363/M3/2018/DMG dated 20.05.2019 • Quarrying Lease Registration Agreement in Form H at Chirayinkeezhu Register Office dated 22.05.2019 <p>Copies of the above mentioned approvals were submitted along with HYCR for the period April 2019 to September 2019.</p>
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 for Compliance
23	The Authority reserves the right	Noted

	Adani Vizhinjam Port Private Limited (AVPPL)	From: October 2019 To: March 2020
Building Stone Quarry Project in Survey No. 555/2 at Nagaroor Village, Chirayinkeezhu Taluk, Thiruvananthapuram District		

Compliance Report on Conditions Stipulated in Environmental Clearance (EC) Order No. 1200/EC2/2018/SEIAA dated 01.03.2019 for the Period October 2019 to March 2020

S. No.	Conditions	Compliance Status as on March 31, 2020
	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.	
24	The stipulations by Statutory Authorities under different Acts and Notifications should be complied with, including the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.	Noted
25	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 www.seiaakerala.org . 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	<p>Complied</p> <p>EC for the project was issued on 01.03.2019. Advertisements, that the project has been accorded EC were published within 10 (Ten) days in two widely circulated local newspapers: The Hindu (English) on 09.03.2019 and Mathrubhumi (Malayalam – vernacular language) on 10.03.2019. Also, copy of the EC is available with the SEIAA office and it is also available on the website of the Authority at www.seiaakerala.in. Screenshot of the website showing the details of the EC are given in Annexure 4.</p> <p>Extracts of these newspaper clippings with the advertisements were submitted along with HYCR for the period April 2019 to September 2019.</p> <p>Copy of the advertisements signed on all pages were submitted to SEIAA vide Letter No.</p>

	Adani Vizhinjam Port Private Limited (AVPPL)	From: October 2019 To: March 2020
Building Stone Quarry Project in Survey No. 555/2 at Nagaroor Village, Chirayinkeezhu Taluk, Thiruvananthapuram District		


Compliance Report on Conditions Stipulated in Environmental Clearance (EC) Order No. 1200/EC2/2018/SEIAA dated 01.03.2019 for the Period October 2019 to March 2020

S. No.	Conditions	Compliance Status as on March 31, 2020
	all pages should be forwarded to the office of this Authority as confirmation.	AVPPL/SEIAA/2019-20/731 dated 01.04.2019 was submitted along with HYCR for the period April 2019 to September 2019. The copy of EC is uploaded to the company website: https://www.adaniports.com/ports-downloads?port=Vizhinjam-Port Screenshot of the same was submitted along with HYCR for the period April 2019 to September 2019.
26	The Environmental Clearance shall be put on the website of the company by the proponent.	Complied The copy of EC is uploaded to the company website: https://www.adaniports.com/ports-downloads?port=Vizhinjam-Port Screenshot of the same was submitted along with HYCR for the period April 2019 to September 2019.
27	Proponent shall submit half yearly reports in soft copy and SEIAA will upload it on the website.	Will be Complied Half Yearly Compliance Reports (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 2019 to September 2019 has been submitted vide email dated 27.11.2019 (a copy of the email is enclosed as Annexure 5).
28	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	Complied The details of EC have been displayed at the site next to the entrance of the quarry, visible to the public.

adani	Adani Vizhinjam Port Private Limited (AVPPL)	From: October 2019 To: March 2020
Building Stone Quarry Project in Survey No. 555/2 at Nagaroor Village, Chirayinkeezhu Taluk, Thiruvananthapuram District		

Compliance Report on Conditions Stipulated in Environmental Clearance (EC) Order No. 1200/EC2/2018/SEIAA dated 01.03.2019 for the Period October 2019 to March 2020

S. No.	Conditions	Compliance Status as on March 31, 2020
		 <p>EC Details Displayed on Board at Site</p>
29	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.	<p>Complied</p> <p>AVPPL have submitted Notarized Affidavit dated 03.04.2019 to SEIAA stating that all the conditions stipulated in the EC shall be scrupulously followed. Copy of the affidavit and the cover letter vide No. AVPPL/SEIAA/2019-20/731 dated 01.04.2019 have been submitted along with HYCR for the period April 2019 to September 2019.</p>
30	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	<p>Noted for Compliance</p>
31	The Project proponent shall ensure that no natural water course and/or water resources shall be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any,	<p>Not Applicable</p> <p>There are no natural water courses and/or water resources of first order streams in and around the mine lease area.</p>

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S. No.	Conditions	Compliance Status as on March 31, 2020
	originating from the mine lease shall be taken.	
32	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.	<p>Not Applicable</p> <p>The quarry has been mined earlier by other parties and is an already open mine. There is no top soil or overburden available in the quarry. The produced materials are all used for Breakwater Construction at Vizhinjam Port and therefore there is no requirement of dump sites.</p>
33	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.	<p>Will be Complied</p> <p>The quarry has been mined earlier by other parties and is an already open mine and hence there is no top soil or overburden available in the quarry. Also, there are no mineral dumps since all the produced materials are used for Breakwater Construction at Vizhinjam Port. Therefore, catch drains for prevention of run-off is not required at the project site.</p> <p>However, siltation pond of appropriate size will be created by constructing a check dam (up to 10m X 1.5m size) at the bottom of the Quarry area to prevent run-off of water and flow of sediments. The water so collected will be utilized for watering the mine area, roads, greenbelt development, etc.</p>

Compliance Report on Conditions Stipulated in Environmental Clearance (EC) Order No. 1200/EC2/2018/SEIAA dated 01.03.2019 for the Period October 2019 to March 2020

S. No.	Conditions	Compliance Status as on March 31, 2020																														
		The drains will be regularly desilted particularly after monsoon and maintained properly.																														
34	Effective safeguard measures such as- regular water sprinkling shall be carried out in critical areas prone to air pollution and having' high levels. 'of PM 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	<p>Being Complied</p> <p>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.</p> <p>Environment Monitoring at the site has been carried out by NABL and MoEF&CC accredited laboratory; M/s. Metamorphosis laboratory Private Limited.</p> <p>Summary of the Ambient Air Quality Monitoring (AAQM) during the compliance period at 5 monitoring locations is mentioned below.</p> <table><tr><th>Parameter</th><th>Unit</th><th>Max</th><th>Min</th><th>Perm. Limit</th></tr><tr><td>PM₁₀</td><td>µg/m³</td><td>55.4</td><td>40.1</td><td>100</td></tr><tr><td>PM_{2.5}</td><td>µg/m³</td><td>29.9</td><td>21.0</td><td>60</td></tr><tr><td>SO₂</td><td>µg/m³</td><td>23.2</td><td>15.1</td><td>80</td></tr><tr><td>NO₂</td><td>µg/m³</td><td>13.4</td><td>11.4</td><td>80</td></tr><tr><td>Ammonia</td><td>µg/m³</td><td>BDL</td><td>BDL</td><td>400</td></tr></table> <p>The Ambient Air Quality Monitoring Report is enclosed as Annexure 6. All the monitored parameters were found within the prescribed limits.</p>	Parameter	Unit	Max	Min	Perm. Limit	PM ₁₀	µg/m ³	55.4	40.1	100	PM _{2.5}	µg/m ³	29.9	21.0	60	SO ₂	µg/m ³	23.2	15.1	80	NO ₂	µg/m ³	13.4	11.4	80	Ammonia	µg/m ³	BDL	BDL	400
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Ammonia	µg/m ³	BDL	BDL	400																												
35	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	<p>Being Complied</p> <p>AVPPL have developed a tar road of around 0.9 km from Kadavilla Junction to the quarry project site gate for movement of vehicles; thereby reducing the dust pollution.</p> <p>However, 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.</p>																														
36	Measures should be taken for control of noise levels below 85 dBA in the work environment.	<p>Being Complied</p> <p>The following measures are being taken for the control of noise levels:</p> <ul style="list-style-type: none">• Drilling: The good captive silencers are being used in drilling equipment.• Blasting: AVPPL is using NONEL method -																														


Compliance Report on Conditions Stipulated in Environmental Clearance (EC) Order No. 1200/EC2/2018/SEIAA dated 01.03.2019 for the Period October 2019 to March 2020

S. No.	Conditions	Compliance Status as on March 31, 2020																		
		<p>bottom initiation to reduce the noise of blasting.</p> <ul style="list-style-type: none"> • Machineries & Tippers: It is ensured that equipment's are fitted with effective silencers, mufflers, acoustic linings, or shields, as necessary. • It is ensured that vehicles transporting the materials follow the speed limit in order to maintain the noise level. • Vehicles are serviced regularly and maintained properly to avoid any unwanted generation of noise or vibration from them <p>Ambient Noise is being monitored by NABL and MoEF&CC accredited laboratory; M/s. Metamorphosis laboratory Private Limited 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:</p> <table border="1"> <thead> <tr> <th>Location</th><th>L_{eq} Day time</th><th>L_{eq} Night time</th></tr> </thead> <tbody> <tr> <td>Quarry Area</td><td>66.8</td><td>51.2</td></tr> <tr> <td>Near Kadavila bus stop @ 450 m >> SE</td><td>64.3</td><td>34.6</td></tr> <tr> <td>Settlement @ 900 m >> W</td><td>57.8</td><td>38.2</td></tr> <tr> <td>Settlement @ 330 m >> NNW</td><td>57.3</td><td>39.2</td></tr> <tr> <td>Near Altharamudu bus stop @ 825 m >> NNE</td><td>59.4</td><td>39.8</td></tr> </tbody> </table> <p>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 for industrial area at the quarry site. However, day time noise readings were above limits at the other four locations (residential areas) due to day to day activities by the local people in the vicinity and due the movement of vehicular traffic.</p> <p>The Noise Monitoring report is enclosed as Annexure 7.</p>	Location	L _{eq} Day time	L _{eq} Night time	Quarry Area	66.8	51.2	Near Kadavila bus stop @ 450 m >> SE	64.3	34.6	Settlement @ 900 m >> W	57.8	38.2	Settlement @ 330 m >> NNW	57.3	39.2	Near Altharamudu bus stop @ 825 m >> NNE	59.4	39.8
Location	L _{eq} Day time	L _{eq} Night time																		
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	Adani Vizhinjam Port Private Limited (AVPPL)	From: October 2019 To: March 2020
Building Stone Quarry Project in Survey No. 555/2 at Nagaroor Village, Chirayinkeezhu Taluk, Thiruvananthapuram District		

Compliance Report on Conditions Stipulated in Environmental Clearance (EC) Order No. 1200/EC2/2018/SEIAA dated 01.03.2019 for the Period October 2019 to March 2020


S. No.	Conditions	Compliance Status as on March 31, 2020
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.	<p>Being Complied</p> <p>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 April 2019 to September 2019) that an Escrow Account has to be opened by AVPPL. All deposits have to be made into this account and all payments have to 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.</p> <p>Therefore, it is requested that the provision of opening of separate account be absolved as there will be a direct contradiction to the Concession Agreement. As the owner of the quarry, AVPPL guarantees that the amount of Rs. 15.00 Lakhs earmarked for CER will be kept as a balance in the current Escrow Account and a CA certificate will be provided annually declaring the expense against this fund. Furthermore, as provided above the account will be monitored by the government.</p> <p>As mentioned above, AVPPL had prepared a plan for the budget of Rs. 15 lakhs and have submitted the same to the Nagaroor Gram Panchayat seeking their confirmation. AVPPL is awaiting approval of the CER plan from the office of the Gram Panchayat. However, considering the requirement of the Gram Panchayat, AVPPL have started to supply drinking water as a part of CER activity.</p> <p>Till 31.03.2020, no expenditure has been booked in the account; primarily due to the present unforeseen COVID-19 circumstance.</p>
38	The Regional Office of MOEF & CC located at Bangalore shall monitor compliance of the stipulated conditions. The project authorities should	<p>Will be Complied</p> <p>All necessary support will be extended to the Regional Office of MoEF&CC located at Bangalore for the monitoring of the compliance of the stipulated conditions Office by</p>

	Adani Vizhinjam Port Private Limited (AVPPL)	From: October 2019 To: March 2020
Building Stone Quarry Project in Survey No. 555/2 at Nagaroor Village, Chirayinkeezhu Taluk, Thiruvananthapuram District		

Compliance Report on Conditions Stipulated in Environmental Clearance (EC) Order No. 1200/EC2/2018/SEIAA dated 01.03.2019 for the Period October 2019 to March 2020		
S. No.	Conditions	Compliance Status as on March 31, 2020
	extend full cooperation to the officer (S) of the Regional Office by furnishing the requisite data/information/monitoring reports.	furnishing the requisite data/information/monitoring reports.
39	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.	Noted
40	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.	Noted
41	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 reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection	Noted
42	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.	Noted
43	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.	Noted
44	The mining operation shall be	Complied

adani	Adani Vizhinjam Port Private Limited (AVPPL)	From: October 2019 To: March 2020
Building Stone Quarry Project in Survey No. 555/2 at Nagaroor Village, Chirayinkeezhu Taluk, Thiruvananthapuram District		

Compliance Report on Conditions Stipulated in Environmental Clearance (EC) Order No. 1200/EC2/2018/SEIAA dated 01.03.2019 for the Period October 2019 to March 2020

S. No.	Conditions	Compliance Status as on March 31, 2020
	restricted to above ground water table and it should not intersect ground water table	Based on observations made in and around the quarry area, it was found that the general ground level in the area is 32 m above MSL and the general groundwater table is 8 m below the general ground level i.e. 24 m above MSL. During monsoons the ground water table will rise by 2-3 m. The lease area is situated on an isolated hillock where the top most working level is about 106 m above MSL and the lowest working level is 70 m above MSL. The total depth will be 36 m. Therefore mining operations will be restricted to workings at a higher level at the quarry and will not touch the ground water table.
45	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	<p>Complied</p> <p>It is ensured that all vehicles used for transportation are having valid Pollution Under Control (PuC) certificate from authorized pollution taking center.</p>  <p>PuC Certificate</p>
46	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	<p>Not Applicable</p> <p>AVPPL are not withdrawing the surface water or ground water for any purposes.</p>
47	Regular monitoring of flow rates and water quality upstream and downstream of the springs and	<p>Not Applicable</p> <p>There are no springs and perennial nallahs flowing upstream and downstream of the mine</p>

**Building Stone Quarry Project in Survey No. 555/2 at Nagaroor Village, Chirayinkeezhu
Taluk, Thiruvananthapuram District**

Compliance Report on Conditions Stipulated in Environmental Clearance (EC) Order No. 1200/EC2/2018/SEIAA dated 01.03.2019 for the Period October 2019 to March 2020

Medical Health Fitness Certificate

Annexure
Number

Annexure 1:	Affidavit dated 08.11.2019 and submission cover letter that AVPPL will spend Rs. 15 Lakhs as a part of CER in consultation with LSG
Annexure 2:	Proposed CER Plan
Annexure 3:	Letter from DMG to SEIAA dated 23.03.2019 regarding permission to carry out mining at a distance of 50 m from the residential houses
Annexure 4:	Screenshot of the SEIAA, Kerala website showing the details of the EC
Annexure 5:	Email Submission of HYCR for the period April 2019 to September 2019
Annexure 6:	AAQM Report
Annexure 7:	Noise Monitoring Report

**Annexure 1: Affidavit dated
08.11.2019 and submission cover
letter that AVPPL will spend Rs. 15
Lakhs as a part of CER in consultation
with LSG**



O/C

AVPPL/SEIAA/2019-20/945

Date: November 15, 2019

To,
State Environment Impact Assessment Authority (SEIAA),
K.S.R.T.C Bus Terminal Complex,
4th Floor, Thampanoor,
Trivandrum

Subject: Submission of Affidavit – Corporate Environment Responsibility (CER) -
Reg.

Reference: Environmental Clearance for the proposed building stone quarry project
in Survey No. 555/2 at Nagaroor Village, Chirayinkeezhu Taluk,
Thiruvananthapuram District, Kerala by Mr. Rajesh Jha, Chief Executive
Officer, M/s Adani Vizhinjam Port Private Limited, No.
1200/EC2/2018/SEIAA dated 01.03.2019

Dear Sir,

As per the Environment Clearance (referenced above), wherein specific condition
point no. 3 states that: *"The proponent shall file an affidavit that he will expend Rs.
15 lakhs as a part of CER in consultation with Local Self Government"*

In this regard, we are herewith enclosing an affidavit duly signed by the MD and CEO
of AVPPL that Rs. 15 Lakhs will be spent as a part of Corporate Environment
Responsibility (CER) in consultation with the Local Self Government; in accordance
with the Environmental Clearance issued for the project as referenced above.

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

Thanking you.

Yours Sincerely
Manoranjan Tripathy
AGM - Projects
Encl: As Stated Above

Adani Vizhinjam Port Private Limited
2nd Floor, Vipanchika Tower, Thycaud
Thiruvananthapuram
Kerala-695014

www.adani.com
CIN -U61200GJ2015PTC083954



Annexure 2: Proposed CER Plan

S. No.	Project Name	Project Cost Rs in Lakhs	CER @ 2% Rs in Lakhs
1	Kadavilla 1	750.00	15.00
S. No.	Nature of Work	Planned Activity (Description)	Approx. Cost Rs in Lakhs
1	Infrastructure creation for drinking water supply	-	-
2	Health	Medical Check-up Camps like eye check-up, cancer check-up in the nearby villages like Nagaroor, Kadavilla, Vanichoor	2.00
3	Education	Distribution of School Bags, Umbrella, text and note books for primary school children at Nagaroor, Kadavilla, Vanichoor Villages	2.00
4	Roads	Strengthening of roads in the local surrounding area	1.60
5	Rain water harvesting	Creating of rainwater harvesting pit near the project site	4.40
6	Avenue Plantation	Tree planting along the periphery of the boundary of the mine in an area of 0.663 Ha	3.30
7	Plantation in community area	Plantation of trees in nearby local community common area	1.70
Total			15.00

**Annexure 3: Letter from DMG to SEIAA
dated 23.03.2019 regarding
permission to carry out mining at a
distance of 50 m from the residential
houses**

Directorate of Mining & Geology,
Kesavadasapuram, Pattom Palace.P.O.,
Thiruvananthapuram - 4.
Tel/ Fax : 0471-2447429
e-mail : director.dir.dmg@kerala.gov.in
www.dmg.kerala.gov.in

No.9363/M3/2018

Dated..23.03.2019

From

The Director of Mining & Geology

To

The Administrator,
SEIAA, KERALA

Sir,

Sub:- Grant of Environmental Clearance - Change in yearwise production of mineral stipulated in mining plan and conditions contrary to KMMC Rules, 1967 - reg.

Ref:- 1. EC No.02/2019 issued vide Order No.1200/EC2/2018/ SEIAA dt. 01.03.2018


2. Kerala Minor Mineral Concession Rules 2015

Please refer to the above. As per the reference 1st cited an Environmental Clearance was issued to M/s.Adani Vizhinjam Port Private Ltd. In order to grant EC, the company had submitted a mining plan approved by the Geologist concerned. When the EC was perused by this office and compared with the approved mining plan it is found that there is difference in the year wise (financial year) quantity of production allowed by the SEIAA. It is contrary to the provisions contained in the Kerala Minor Mineral Concession Rules 2015. As per Rule 68(1) of KMMC Rules, every lessee shall carry out quarrying operation in accordance with the approved mining plan. If quantity of yearwise production or any of the mode of production is altered, it is a deviation from the plan proposed by the proponent.

In the general condition of the EC granted, condition No.18 is that "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." This condition also is a deviation from the mining plan. If the

Geologist who approves the mining plan and inspects the site before sending the application to the Director finds that it is not safe to quarry within a distance of 100m from the dwelling houses, he directs the proponent to change the precise area. Based on the recommendations of the Geologist precise area is fixed and Letter of Intent is issued to the proponent. Mining Plan is prepared only after the issuance of LOI from this office. It may be noted that as per Rule 40 1(i), the lessee is permitted to carry out mining at a distance of 50m from residential houses. If the distance from the nearby dwelling houses is changed, deviating the conditions in the LOI or mining plan, the proponent cannot operate the mine as per the mining plan. This may even lead to the reduction in minable quantity of mineral. In these circumstances, I request to reconsider the entire matter as per the Kerala Minor Mineral Concession Rules and necessary changes may be made in the conditions in the EC granted. This is for information and necessary action.

Yours faithfully,



for Director of Mining & Geology

Copy to: M/s Adani Vizhinjam -
port private Ltd.

ks/23.3



**Annexure 4: Screenshot of the SEIAA,
Kerala website showing the details of
the EC**



Show 25 entries

Search: 1200/EC2/2018/SEIAA

Name of Applicant	File No	Project Details	EC Issued Date	Category	Status	Download
Mr.Rajesh Jha, Chief Executive Officer, M/s Adani Vizhinjam Port Private Limited, 2 nd floor, Vipanchika Tower, Thycaud, Thiruvananthapuram – 695014	1200/EC2/2018/SEIAA	Environmental clearance for the proposed building stone quarry project in Survey No. 555/2 at Nagaroor Village, Chirayinkeez Taluk, Thiruvananthapuram District, Kerala by Mr.Rajesh Jha, Chief Executive Officer, M/s Adani Vizhinjam Port Private Limited	01-03-2019	Quarry	E.C Issued	5f07727bec06f8931f16fea2a790161e.pdf

Showing 1 to 1 of 1 entries (filtered from 861 total entries)

Previous1Next

**Annexure 5: Email Submission of HYCR
for the period April 2019 to
September 2019**

Jesse Benjamin Fullonton

From: Rajesh Kumar Jha
Sent: Wednesday, 27 November, 2019 11:48 AM
To: rosz.bng-mefcc@gov.in
Cc: seacseiaakerala@gmail.com; Shalin Shah; Manoranjan Tripathy; Harsh Yadav; Hebin Chenthamarakshan; Jesse Benjamin Fullonton
Subject: EC No. 1200/EC2/2018/SEIAA dated 01.03.2019 - Half Yearly Compliance Report - Apr 2019 to Sep 2019 - Reg.

Dear Sir,

This has reference to the Environmental Clearance (EC) Order **No. 1200/EC2/2018/SEIAA issued on 3rd March 2019** by the State Environmental Impact Assessment Authority (SEIAA), Kerala for the **Proposed Building Stone Quarry Project in Survey No. 555/2 at Nagaroor Village, Chirayinkeezhu Taluk, Thiruvananthapuram District.**

The compliance report of the conditions stipulated in the cited reference for the half yearly period from **April 2019 to September 2019** can be downloaded from the below link; for record and reference please:

<https://1drv.ms/u/s!Av4lh8R9arszg5QANYtqHBzdbO-oRA?e=NLBqiq>

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

Thanks & regards,

Rajesh Jha
MD & CEO
Adani Vizhinjam Port Pvt. Ltd.

2nd Floor, Vipanchika Tower, PO-Thycaud, Trivandrum- 695014, Kerala, India
Direct Line: 0471 277 2116 | www.adani.com

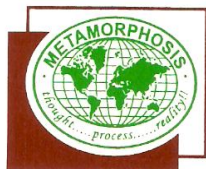


Growth
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Goodness

Our Values: Courage | Trust | Commitment



Annexure 6: AAQM Report



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OHSAS 18001:2007

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TEST REPORT

AMBIENT AIR QUALITY DATA

1. **Name of the Project** : M/s. Adani Vizhinjam Port Pvt. Ltd.,
2. **Location Name** : Quarry Area
3. **Name of the project Proponent** : Building Stone Quarry of M/s. Adani Vizhinjam Port Pvt. Ltd.,
Nagaroor village (Kadavila), Chirayinkeez Taluk, Thiruvananthapuram District, Kerala.
4. **Month of sampling** : February 2020
5. **Duration of sampling** : 8 - Hours
6. **Date of reporting** : 17.03.2020

Parameter	PM ₁₀ µg /m ³	PM _{2.5} µg /m ³	NO ₂ µg /m ³	SO ₂ µg /m ³	Ammonia µg /m ³
Sample no.	MGF648853/03	PT0718729/03	04191146/03	04191147/03	--
Date of Sampling					
26.02.2020	55.4	29.9	18.4	11.4	--
Protocol / Method	IS:5182 (Part 23) – Gravimetric method	MLPL/SOP/44 - Gravimetric method	IS:5182 (Part 6) – Jacob and Hochheiser method	IS:5182 (Part 2) – Improved West and Gaeke method	MLPL/SOP/41 – Indophenol blue method
NAAQ Standards	100	60	80	80	400

INFERENCE	As per CPCB Standards Report Status: All values are within the prescribed standards.
Sample Collected By	M/s. METAMORPHOSIS Laboratory Private Limited, Bengaluru

** End of Report **

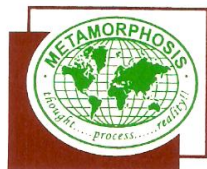
Authorized Signatory

Laboratory Head
Dr. Shanth A. Thimmaiah



TC-5841

"PRAKRUTI BHAVAN", #200, 1st & 2nd Floor, 40th Main, 1st Cross,
BTM Layout II Stage, Behind Central Silk Board,
Bengaluru – 560068, Karnataka, India, Telefax: +91.80.26783006
Email: mail@metamorphosis-india.com.



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OHSAS 18001:2007

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TEST REPORT

AMBIENT AIR QUALITY DATA

1. **Name of the Project** : M/s. Adani Vizhinjam Port Pvt. Ltd.,
2. **Location Name** : Nearest settlement towards Near (Kadavila bus stop) @ 450 mts >> SE
3. **Name of the project Proponent** : Building Stone Quarry of M/s. Adani Vizhinjam Port Pvt. Ltd.,
Nagaroor village (Kadavila), Chirayinkeez Taluk, Thiruvananthapuram District, Kerala.
4. **Month of sampling** : February 2020
5. **Duration of sampling** : 8 - Hours
6. **Date of reporting** : 17.03.2020

Parameter	PM ₁₀ µg /m ³	PM _{2.5} µg /m ³	NO ₂ µg /m ³	SO ₂ µg /m ³	Ammonia µg /m ³
Sample no.	0419276B/03	0419277B/03	0419278B/03	0419279B/03	--
Date of Sampling	26.02.2020	47.9	28.0	23.2	11.9
					--
Protocol / Method	IS:5182 (Part 23) – Gravimetric method	MLPL/SOP/44 - Gravimetric method	IS:5182 (Part 6) – Jacob and Hochheiser method	IS:5182 (Part 2) – Improved West and Gaeke method	MLPL/SOP/41 – Indophenol blue method
NAAQ Standards	100	60	80	80	400

INFERENCE	As per CPCB Standards Report Status: All values are within the prescribed standards.
Sample Collected By	M/s. METAMORPHOSIS Laboratory Private Limited, Bengaluru

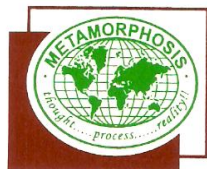
** End of Report **

Authorized Signatory

Laboratory Head
Dr. Shanth A. Thimmaiah



"PRAKRUTI BHAVAN", #200, 1st & 2nd Floor, 40th Main, 1st Cross,
BTM Layout II Stage, Behind Central Silk Board,
Bengaluru – 560068, Karnataka, India, Telefax: +91.80.26783006
Email: mail@metamorphosis-india.com.



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OHSAS 18001:2007

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Recognized by MoEF & CC and Accredited by NABL

TEST REPORT

AMBIENT AIR QUALITY DATA

1. **Name of the Project** : M/s. Adani Vizhinjam Port Pvt. Ltd.,
2. **Location Name** : Nearest settlement @ 900 mts >> W
3. **Name of the project Proponent** : Building Stone Quarry of M/s. Adani Vizhinjam Port Pvt. Ltd.,
Nagaroor village (Kadavila), Chirayinkeez Taluk, Thiruvananthapuram District, Kerala.
4. **Month of sampling** : February 2020
5. **Duration of sampling** : 8 - Hours
6. **Date of reporting** : 17.03.2020

Parameter	PM ₁₀ µg /m ³	PM _{2.5} µg /m ³	NO ₂ µg /m ³	SO ₂ µg /m ³	Ammonia µg /m ³
Sample no.	0419280B/03	0419281B/03	0419282B/03	0419283B/03	--
Date of Sampling	26.02.2020	48.9	26.8	15.1	11.4
Protocol / Method	IS:5182 (Part 23) - Gravimetric method	MLPL/SOP/44 - Gravimetric method	IS:5182 (Part 6) - Jacob and Hochheiser method	IS:5182 (Part 2) - Improved West and Gaeke method	MLPL/SOP/41 - Indophenol blue method
NAAQ Standards	100	60	80	80	400

INFERENCE	As per CPCB Standards Report Status: All values are within the prescribed standards.
Sample Collected By	M/s. METAMORPHOSIS Laboratory Private Limited, Bengaluru

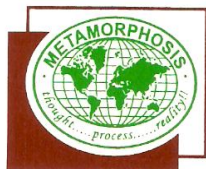
** End of Report **

Authorized Signatory

Laboratory Head
Dr. Shanth A. Thimmaiah



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TEST REPORT

AMBIENT AIR QUALITY DATA

1. **Name of the Project** : M/s. Adani Vizhinjam Port Pvt. Ltd.,
2. **Location Name** : Nearest settlement @ 330 mts >> NNW
3. **Name of the project Proponent** : Building Stone Quarry of M/s. Adani Vizhinjam Port Pvt. Ltd.,
Nagaroor village (Kadavila), Chirayinkeez Taluk, Thiruvananthapuram District, Kerala.
4. **Month of sampling** : February 2020
5. **Duration of sampling** : 8 - Hours
6. **Date of reporting** : 17.03.2020

Parameter	PM ₁₀ µg /m ³	PM _{2.5} µg /m ³	NO ₂ µg /m ³	SO ₂ µg /m ³	Ammonia µg /m ³
Sample no.	0419284B/03	0419285B/03	0419286B/03	0419287B/03	--
Date of Sampling					
26.02.2020	40.1	21.0	16.7	12.1	--
Protocol / Method	IS:5182 (Part 23) – Gravimetric method	MLPL/SOP/44 - Gravimetric method	IS:5182 (Part 6) – Jacob and Hochheiser method	IS:5182 (Part 2) – Improved West and Gaeke method	MLPL/SOP/41 – Indophenol blue method
NAAQ Standards	100	60	80	80	400

INFERENCE	As per CPCB Standards Report Status: All values are within the prescribed standards.
Sample Collected By	M/s. METAMORPHOSIS Laboratory Private Limited, Bengaluru

** End of Report **

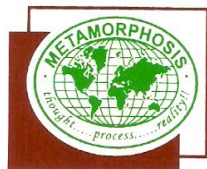
Authorized Signatory

Laboratory Head
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TEST REPORT

AMBIENT AIR QUALITY DATA

- Name of the Project** : M/s. Adani Vizhinjam Port Pvt. Ltd.,
- Location Name** : Nearest settlement towards (near Altharamudu bus stop) @ 825 mts >> NNE
- Name of the project Proponent** : Building Stone Quarry of M/s. Adani Vizhinjam Port Pvt. Ltd.,
Nagaroor village (Kadavila), Chirayinkeez Taluk, Thiruvananthapuram District, Kerala.
- Month of sampling** : February 2020
- Duration of sampling** : 8 hours
- Date of reporting** : 17.03.2020

Parameter	PM ₁₀ µg /m ³	PM _{2.5} µg /m ³	NO ₂ µg /m ³	SO ₂ µg /m ³	Ammonia µg /m ³
Sample no.	0419360B/03	0419361B/03	0419362B/03	0419363B/03	--
Date of Sampling	26.02.2020	46.8	25.4	18.4	13.4
					--
Protocol / Method	IS:5182 (Part 23) – Gravimetric method	MLPL/SOP/44 - Gravimetric method	IS:5182 (Part 6) – Jacob and Hochheiser method	IS:5182 (Part 2) – Improved West and Gaeke method	MLPL/SOP/41 – Indophenol blue method
NAAQ Standards	100	60	80	80	400

INFERENCE	As per CPCB Standards Report Status: All values are within the prescribed standards.
Sample Collected By	M/s. METAMORPHOSIS Laboratory Private Limited, Bengaluru

** End of Report **

Authorized Signatory

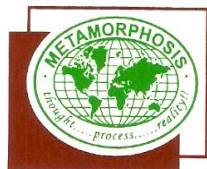
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Annexure 7: Noise Monitoring Report



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TEST REPORT

AMBIENT NOISE MEASUREMENT

1. Name of the project : M/s. Adani Vizhinjam Port Pvt. Ltd.,
2. Location name : Quarry Area
3. Name of the project Proponent : Building Stone Quarry of M/s. Adani Vizhinjam Port Pvt. Ltd.,
Nagaroor village (Kadavila), Chirayinkeez Taluk, Thiruvananthapuram District,
Kerala.
4. Date of Measurement : 26.02.2020
5. Name of instrument : Digital sound level meter Equinox & EQ-107
6. Date of reporting : 17.03.2020

Sampling point	Sample no.	Protocol	Result (dB (A))					
			Day			Night		
			LMin	LMax	Leq	LMin	LMax	Leq
Quarry Area	04191095/03	IS:9989 -1981	64.3	70.7	66.8	49.1	55.1	51.2

Limits in dB (A) Leq			
Area Code	Category of Area/ Zone	Day (6 a.m. to 10 p.m.)	Night (10 p.m. to 6 a. m.)
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Sensitive Zone	50	40

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	Report Status as per KSPCB Standards: - Values are found to be within the permissible limits, applicable to industrial area.
Sample Collected By	M/s. METAMORPHOSIS SM Laboratory Private Limited, Bengaluru.

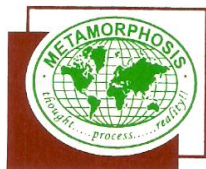
End of Report

Authorized Signatory

Laboratory Head
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TEST REPORT

AMBIENT NOISE MEASUREMENT

1. Name of the project : M/s. Adani Vizhinjam Port Pvt. Ltd.,
2. Location name : Nearest settlement towards Near (Kadavila bus stop) @ 450 mts >> SE
3. Name of the project Proponent : Building Stone Quarry of M/s. Adani Vizhinjam Port Pvt. Ltd.,
Nagaroor village (Kadavila), Chirayinkeez Taluk, Thiruvananthapuram District, Kerala.
4. Date of Measurement : 26.02.2020
5. Name of instrument : Digital sound level meter Equinox & EQ-107
6. Date of reporting : 17.03.2020

Sampling point	Sample no.	Protocol	Result (dB (A))					
			Day			Night		
			LMin	LMax	Leq	LMin	LMax	Leq
Nearest settlement towards Near (Kadavila bus stop) @ 450 mts >> SE	04191096/03	IS:9989 -1981	55.2	64.4	64.3	32.2	37.9	34.6

Limits in dB (A) Leq			
Area Code	Category of Area/ Zone	Day (6 a.m. to 10 p.m.)	Night (10 p.m. to 6 a. m.)
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Sensitive Zone	50	40

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	Report Status as per KSPCB Standards: - Day time values are not within the permissible limits, applicable to residential area. Since the location was near the bus stop, the values are higher, due the movement of vehicular traffic.
Sample Collected By	M/s. METAMORPHOSISSM Laboratory Private Limited, Bengaluru.

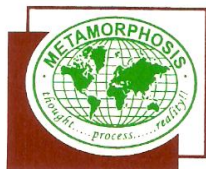
End of Report

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TEST REPORT

AMBIENT NOISE MEASUREMENT

1. Name of the project : M/s. Adani Vizhinjam Port Pvt. Ltd.,
2. Location name : Nearest settlement towards @ 900 mts >> W
3. Name of the project Proponent : Building Stone Quarry of M/s. Adani Vizhinjam Port Pvt. Ltd.,
Nagaroor village (Kadavila), Chirayinkeez Taluk, Thiruvananthapuram District,
Kerala.
4. Date of Measurement : 26.02.2020
5. Name of instrument : Digital sound level meter Equinox & EQ-107
6. Date of reporting : 17.03.2020

Sampling point	Sample no.	Protocol	Result (dB (A))					
			Day			Night		
			LMin	LMax	Leq	LMin	LMax	Leq
Nearest settlement towards @ 900 mts >> W	04191097/03	IS:9989-1981	55.1	62.9	57.8	32.2	36.7	38.2

Limits in dB (A) Leq			
Area Code	Category of Area/ Zone	Day (6 a.m. to 10 p.m.)	Night (10 p.m. to 6 a. m.)
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Sensitive Zone	50	40

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	Report Status as per KSPCB Standards:- Day time values are not within the permissible limits, applicable to residential area. Values are found to be higher as there was movement of vehicle in the nearby road.
Sample Collected By	M/s. METAMORPHOSIS SM Laboratory Private Limited, Bengaluru.

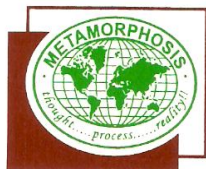
End of Report

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TEST REPORT

AMBIENT NOISE MEASUREMENT

1. Name of the project : M/s. Adani Vizhinjam Port Pvt. Ltd.,
2. Location name : Nearest settlement towards @ 330 mts >> NNW
3. Name of the project Proponent : Building Stone Quarry of M/s. Adani Vizhinjam Port Pvt. Ltd.,
Nagaroor village (Kadavila), Chirayinkeez Taluk, Thiruvananthapuram District,
Kerala.
4. Date of Measurement : 26.02.2020
5. Name of instrument : Digital sound level meter Equinox & EQ-107
6. Date of reporting : 17.03.2020

Sampling point	Sample no.	Protocol	Result (dB (A))					
			Day			Night		
			LMin	LMax	Leq	LMin	LMax	Leq
Nearest settlement towards @ 330 mts >> NNW	04191098/03	IS:9989-1981	56.7	65.1	57.3	34.7	40.0	39.2

Limits in dB (A) Leq			
Area Code	Category of Area/ Zone	Day (6 a.m. to 10 p.m.)	Night (10 p.m. to 6 a. m.)
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Sensitive Zone	50	40

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	Report Status as per KSPCB Standards: - Day time values are not within the permissible limits, applicable to residential area. Values are higher as there was couple of rubber making units and quarry operation nearby i.e, at a distance of 330 mts.
Sample Collected By	M/s. METAMORPHOSIS SM Laboratory Private Limited, Bengaluru.

End of Report

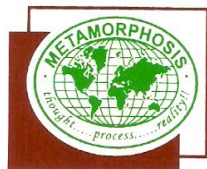
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AMBIENT NOISE MEASUREMENT

1. Name of the project : M/s. Adani Vizhinjam Port Pvt. Ltd.,
2. Location name : Nearest settlement towards (near Altharamudu bus stop) @ 825 mts >> NNE
3. Name of the project Proponent : Building Stone Quarry of M/s. Adani Vizhinjam Port Pvt. Ltd.,
Nagaroor village (Kadavila), Chirayinkeez Taluk, Thiruvananthapuram District, Kerala.
4. Date of Measurement : 26.02.2020
5. Name of instrument : Digital sound level meter Equinox & EQ-107
6. Date of reporting : 17.03.2020

Sampling point	Sample no.	Protocol	Result (dB (A))					
			Day			Night		
			LMin	LMax	Leq	LMin	LMax	Leq
Nearest settlement towards (near Altharamudu bus stop) @ 825 mts >> NNE	04191164/03	IS:9989 -1981	55.1	64.4	59.4	35.9	41.6	39.8

Limits in dB (A) Leq			
Area Code	Category of Area/ Zone	Day (6 a.m. to 10 p.m.)	Night (10 p.m. to 6 a. m.)
(A)	Industrial Area	75	70
(B)	Commercial Area	65	55
(C)	Residential Area	55	45
(D)	Sensitive Zone	50	40

Note: The result & inference pertains to the sample tested only and parameters as per the requisition of the client.

INFERENCE	Report Status as per KSPCB Standards: - Day time values are not within the permissible limits, applicable to residential area. Since the location was near the bus stop, so the values are higher, due the movement of vehicular traffic.
Sample Collected By	M/s. METAMORPHOSISSM Laboratory Private Limited, Bengaluru.

End of Report

Authorized Signatory

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Half Yearly Compliance Report (HYCR)
October 2019 to March 2020

Building Stone Quarry Project: Survey No. 555/2 at Nagaroor Village,
Chirayinkeezhu Taluk, Thiruvananthapuram District



Adani Vizhinjam Port Private Ltd. (AVPPL)