

Bhagwat Swaroop Sharma

From: Bhagwat Swaroop Sharma
Sent: Wednesday, May 29, 2024 5:46 PM
To: iro.gandhingr-mefcc@gov.in; ecompliance-guj@gov.in
Cc: ec-rdw.cpcb@gov.in; ro-gpcb-kute@gujarat.gov.in; ms-gpcb@gujarat.gov.in; mefcc.ia3@gmail.com; monitoring-ec@nic.in; direnv@gujarat.gov.in; Anil Trivedi; Sujalkumar Shah
Subject: Half Yearly EC Compliance Report APSEZ _Utility corridor- 2023 for Period of Oct.2023 to March 2024
Attachments: CRZ Clearance Compliance_Utility Corridor & LPG Pipeline-Oct23 to Mar24.pdf



APSEZ/EnvCell/2024-25/017

Date: 29.05.2024

To
The Inspector General of Forest / Scientist C,
Integrated Regional Office (IRO),
Ministry of Environment, Forest and Climate Change,
Aranya Bhawan, A Wing, Room No. 409,
Near CH 3 Circle, Sector – 10A,
Gandhinagar – 382007.
E-mail: ecompliance-guj@gov.in, iro.gandhingr-mefcc@gov.in

Sub : Half Yearly Compliance for CRZ clearance for 'Road, Rail & Utility corridor and LPG Pipeline project at Mundra, Kutch, District: Gujarat' by M/s Adani Ports and Special Economic Zone Ltd.

Ref : CRZ clearance vide letter no. F.No.11-9/2023-IA.III, dated 5th April 2023 for "Development of Road, Rail, Utility Corridor and LPG Pipeline at Mundra, District Kutch, Gujarat by M/s Adani Ports and SEZ Limited". (Copy of CRZ clearance is attached as Annexure – 1)

Dear Sir,

Please refer to the above cited reference for the said subject matter. In connection to the same, it is to state that copy of the compliance report for the CRZ Clearance for the period of October 2023 to March 2024 is being submitted through soft copy (e-mail communication).

Kindly consider above submission and acknowledge.

Thank you,

Yours Faithfully,

For, M/s Adani Ports and Special Economic Zone Limited

A handwritten signature in blue ink, appearing to read "Bhagwat Swaroop Sharma".

Bhagwat Swaroop Sharma
Head – Environment
Mundra & Tuna Port

Encl: As Above

Copy to:

- 1) The Director (IA Division), Ministry of Environment, Forests & Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110003.
- 2) The Zonal Officer, Regional Office, CPCB – Western Region, Parivesh Bhawan, Opp. VMC Ward Office No. 10, Subhanpura, Vadodara – 390023.
- 3) The Member Secretary, GPCB – Head Office, Paryavaran Bhavan, Sector 10 A, Gandhi Nagar – 382010.
- 4) The Director, Forests & Environment Department, Block – 14, 8th floor, Sachivalaya, Gandhi Nagar – 382010.
- 5) The Regional Officer, Regional Office GPCB (Kutch-East), Gandhidham – 370201

To

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Ministry of Environment, Forest and Climate Change,

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Bhagwat Swaroop Sharma

Head – Environment

Mundra & Tuna Port

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- 4) The Director, Forests & Environment Department, Block – 14, 8th floor, Sachivalaya, Gandhi Nagar – 382010.
- 5) The Regional Officer, Regional Office GPCB (Kutch-East), Gandhidham – 370201

Adani Ports and Special Economic Zone Ltd
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PO Box No. 1
Mundra, Kutch 370 421
Gujarat, India
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CRZ Clearance Compliance Report



Development of Road, Rail, Utility
Corridor and LPG Pipeline at Mundra,
District Kutch, Gujarat

Adani Ports and SEZ Limited

For the period of
October-2023 to March-2024

	Adani Ports and Special Economic Zone Limited, Mundra.	From : Oct'23 To : Mar'24
Status of the conditions stipulated in Environment and CRZ Clearance		

Index

Sr. No.	Particulars	Page Nos.
1	CRZ Compliance Report	1-12
2	Annexures	-
	Annexure - A Compliance Report of GCZMA CRZ recommendations vide its letter No.ENV-10-2018-76-T, dated 20/10/2023	13-15
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Status of the Conditions Stipulated in CRZ Clearance

APSEZ has been granted CRZ clearance vide letter no. F.No.11-9/2023-IA.III, dated 5th April 2023 for "Development of Road, Rail, Utility Corridor and LPG Pipeline at Mundra, District Kutch, Gujarat by M/s Adani Ports and SEZ Limited". The copy of CRZ Clearance was submitted along with EC compliance report for the period Apr'23 to Sep'23.

Project Status:

Sr. No.	Project	Status as on 31.03.2024																									
1.	Development of Road, Rail and Utility Corridor	Not developed so far																									
2.	Laying of underground LPG Pipeline	<p>APSEZ has laid an underground LPG pipeline having total length of 91.35 Km for distribution of LPG from dispatch station located within existing Mundra LPG Terminal to existing GAIL facility at Mithi Rohar, Gandhidham with intermediate SV Stations and the same is operation.</p> <p>APSEZ has already obtained CtE & CtO for the said activities from Gujarat Pollution Control Board. Details of CtE / CtO are as below.</p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Permission</th> <th>Project activity</th> <th>Ref. No.</th> <th>Validity</th> </tr> </thead> <tbody> <tr> <td>a)</td> <td>CtE – Fresh</td> <td>For Laying the. Underground LPG pipeline for transportation of LPG from Mundra LPG terminal Pvt. Ltd (MLTPL) to receiving terminal GAIL Mithi Rohar, having a total length of 91.35 KM (with 03 nos. of SV stations).</td> <td>CtE - 54993</td> <td>12.05.2029</td> </tr> <tr> <td>b)</td> <td>CtO – Fresh</td> <td>To operate the. Underground LPG pipeline for transportation and distribution of LPG @ 6.75 MMTPA</td> <td>AWH-66223</td> <td>18.06.2028</td> </tr> <tr> <td>c)</td> <td>CtE – Amendment</td> <td>For CRZ applicability as per revised pipeline route map falls within APSEZ area</td> <td>CtE-66434</td> <td>-08.08.2030</td> </tr> <tr> <td>d)</td> <td>CtO – Amendment</td> <td></td> <td>W-68345</td> <td>18.06.2028</td> </tr> </tbody> </table> <p>The permission mentioned above (Sr. No. a to d) was submitted along with EC compliance report for the period Apr'23 to Sep'23.</p>	Sr. No.	Permission	Project activity	Ref. No.	Validity	a)	CtE – Fresh	For Laying the. Underground LPG pipeline for transportation of LPG from Mundra LPG terminal Pvt. Ltd (MLTPL) to receiving terminal GAIL Mithi Rohar, having a total length of 91.35 KM (with 03 nos. of SV stations).	CtE - 54993	12.05.2029	b)	CtO – Fresh	To operate the. Underground LPG pipeline for transportation and distribution of LPG @ 6.75 MMTPA	AWH-66223	18.06.2028	c)	CtE – Amendment	For CRZ applicability as per revised pipeline route map falls within APSEZ area	CtE-66434	-08.08.2030	d)	CtO – Amendment		W-68345	18.06.2028
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adani

Ports and
Logistics

**M/s. Adani Ports and SEZ Ltd.,
Mundra**

**From : Oct'23
To : Mar'24**

Status of the Conditions Stipulated in CRZ Clearance

Compliance Report of CRZ Clearance

Status of the Conditions Stipulated in CRZ Clearance

Half yearly Compliance report of CRZ Clearance for "Development of Road, Rail, Utility Corridor and LPG Pipeline at Mundra, District Kutch, Gujarat" by M/s Adani Ports and SEZ Limited (APSEZ) issued vide letter no. F.No.11-9/2023-IA.III, dated 5th April 2023.

Sr. No.	Conditions	Compliance Status as on 31.03.2024
<u>PART A - SPECIFIC CONDITIONS:</u>		
(i)	All construction shall be strictly in accordance with the provisions of the CRZ Notification, 2011, as amended from time to time.	Complied The laid down of LPG pipeline has been carried out confirming the existing rules and regulation and as per the CRZ notification 2011, as amended from time to time. Further, development of remaining project i.e. development of Road, Rail & Utility Corridor will be carried out in accordance with the provisions of the CRZ Notification, 2011, as amended from time to time.
(ii)	The utility corridor should be restricted to within port limit.	Point noted and agreed
(iii)	All facilities in utility corridor should comply with detailed in risk and safety management plan as presented the committee and compliance report to be submitted to Regional Office.	Complied. The following safety measures are being taken for operation of underground LPG Pipeline and the same will be adopted during operation of utility corridor (liquid / gaseous pipeline) also: <ul style="list-style-type: none"> • LPG is being transported through in dedicated pipelines. • Corrosive liquid / gaseous cargo shall be transported in dedicated concentric pipelines made of SS to avoid any corrosion of the pipeline and leakages. • Necessary approvals from chief inspector of factories and license under Petroleum Explosives Safety Rules shall be obtained. The prior approval from PESO has been obtained for underground pipeline. The copy of PESO approval was submitted during the compliance report submission for the period Apr'23 to Sept'23. • The relevant codes and guidelines shall be adopted: (1). OISD Standard-244: Storage and handling of Petroleum Products and (2). IS 6044-2 (2001): Code of Practice for Liquefied Petroleum Gas Storage Installations. • The existing disaster management plan shall be effectively implemented for the proposed utility corridor operations. • The guidelines published by OISD on "Integrity Assessment of Cross Country Pipelines" shall be

Status of the Conditions Stipulated in CRZ Clearance

Sr. No.	Conditions	Compliance Status as on 31.03.2024
		<p>adopted during the operational phase.</p> <ul style="list-style-type: none"> • Necessary fire hydrant and fire water network system shall be developed in consultation with concerned regulatory authorities. • A detailed quantitative risk assessment shall be undertaken during the detailed engineering phase to assess the layers of protection needed to protect the assets of the port facilities due to any major fire accidents. • Techno-Safe Consultants has been retained for the preparation of this Emergency Response and Disaster Management Plan (ERDMP) of LPG Pipeline from Mundra Port to GAIL Station at Mithi Rohar. The copy of ERDMP study report was submitted during the compliance report submission for the period Apr'23 to Sep'23.
(iv)	Sufficient gap / distance between pipelines need to maintain for safety & maintenance activities.	<p>Not applicable for development of LPG Pipeline.</p> <p>Will be complied at the time of utility corridor development.</p>
(v)	Any temporary physical infrastructure setup and excavated material shall not be dumped in water bodies or adjacent areas and the site shall be restored to its original condition after completion of construction of work.	<p>Being Complied.</p> <p>There is no requirement of temporary physical infrastructure setup as the local manpower will be utilized during construction phase for the Rail, Road, & Utility Corridor project activities.</p> <p>The construction debris excavated soil wastes generated during underground LPG pipeline laying project has been collected as per the applicable environmental guidelines and reused for restoration to maintain the original condition after completion of construction of work.</p> <p>The same practice will be adopted during development of Rail, Road and Utility corridor project.</p>
(vi)	The pipeline where crossing of water body / river / creek areas should be laid through Horizontal Directional Drilling (HDD) method.	<p>Complied</p> <p>The underground LPG pipeline is laid down using the Horizontal Directional Drilling (HDD) method without affecting the flow of the creek and mangrove where it is crossing through it.</p>
(vii)	No storage reservoir for sea water shall be permitted and only project activity i.e. pipelines conveyance system etc. shall be installed.	<p>Complied.</p> <p>No storage reservoir for sea water required as the project activity is only for development of Road, Rail, Utility corridor and LPG pipeline and water is</p>

Status of the Conditions Stipulated in CRZ Clearance

Sr. No.	Conditions	Compliance Status as on 31.03.2024
		being sourced through APSEZ desal plant / GWIL water through dedicated pipeline.
(viii)	No groundwater shall be extracted within the CRZ area to meet the water requirements during the construction and/or operation phase of the project.	Being complied. APSEZ does not draw any ground water for the water requirement during construction as well as operation phase. Present source of water for project activities is desalination plant of APSEZ and/or water through Gujarat Water Infrastructure Limited (GWIL).
(ix)	Permanent labour camp, machinery and material storage shall not be set up in the CRZ area.	Point noted and being complied. No permanent labour camp required as the local manpower will be utilized during construction phase for the Rail, Road, & Utility Corridor project activities. All the activities are being done in accordance with the provisions of the CRZ Notification, 2011, as amended from time to time.
(x)	The prior approval from PESO should be obtained before commencement of the project.	Complied The prior approval from PESO has been obtained for Commencement and to operate the LPG pipeline for distribution of LPG from dispatch station located within existing Mundra LPG Terminal to existing GAIL facility at Mithi Rohar, Gandhidham with intermediate SV Stations through underground pipeline. The copy of PESO approval was submitted during previous compliance report submission period Apr'23 to Sep'23.
(xi)	All the conditions stipulated by the Gujarat Coastal Zone Management Authority vide its letter No.ENV-10-2018-76-T, dated 20/10/2022 and commitments made by the PP before the GCZMA and EAC shall be followed in letter and spirit.	Complied The compliance report of conditions stipulated by the Gujarat Coastal Zone Management Authority vide its letter No.ENV-10-2018-76-T, dated 20/10/2022 is attached as ANNEXURE - A .
(xii)	All necessary clearance from the concerned authority, as may be applicable should be obtained prior to commencement of project or activity.	Point Noted and complied. All the requisite permissions / clearances obtained from the concerned authorities for LPG pipeline project and same will be continued for Rail, Road and Utility corridor project.
<u>PART B - GENERAL CONDITIONS:</u>		
(i)	Management of solid waste in accordance with the Solid Waste Management Rules, 2016 shall be	Complied Waste Management – APSEZ has adopted 5R

Status of the Conditions Stipulated in CRZ Clearance

Sr. No.	Conditions	Compliance Status as on 31.03.2024										
	strictly implemented.	<p>concept for environmentally sound management of different types of solid & liquid wastes. Please refer below details about management of each type of waste.</p> <p>Solid (Non Hazardous) Waste Management: A well-established system for segregation of dry & wet waste is in place. All wet waste (Organic waste) is being segregated & utilized for compost manufacturing and/or biogas generation for cooking purpose. The compost is further used by in house horticulture team for greenbelt development. Whereas dry recyclable waste is being sorted in various categories. Presently manual sorting is being done for sorting of different types of solid waste. Segregated recyclable materials such as Paper, Plastic, Cardboard, PET Bottles, and Glasses, etc. are then sent to respective recycling units, whereas remaining non-recyclable waste is bailed and sent to cement plant (M/s. Ambuja Cement Ltd., Kodinar) for Co-processing as RDF (Refused Derived Fuel). The updated copy of membership agreement with M/s. Ambuja Cement Ltd., Kodinar was submitted during compliance report submission period Apr'23 to Sep'23.</p> <p>APSEZ, Mundra is certified for Zero Waste to Landfill management system (ZWTL MS 2020) by TUV Rheinland India Pvt. Ltd. (valid up to 31.05.2024). The copy of certified for Zero Waste to Landfill management system was submitted during the compliance report submission for the period Apr'23 to Sep'23.</p>										
(ii)	'Consent to Establish' and /or 'Consent to Operate' shall be obtained from State Pollution Control Board under the provisions of Air (Prevention and Control of Pollution) Act, 1981 and/ or the Water (Prevention and Control of Pollution) Act, 1974, as may be applicable.	<p>Complied</p> <p>APSEZ has obtained CtE & CtO for the underground LPG pipeline project from Gujarat Pollution Control Board as per below.</p> <table border="1" data-bbox="776 1633 1414 1896"> <thead> <tr> <th data-bbox="776 1633 841 1696">Sr. No.</th> <th data-bbox="841 1633 995 1696">Permission</th> <th data-bbox="995 1633 1157 1696">Project activity</th> <th data-bbox="1157 1633 1263 1696">Ref. No.</th> <th data-bbox="1263 1633 1414 1696">Validity</th> </tr> </thead> <tbody> <tr> <td data-bbox="776 1696 841 1896">a)</td> <td data-bbox="841 1696 995 1896">CtE – Fresh</td> <td data-bbox="995 1696 1157 1896">For Laying the Underground LPG pipeline for transportation of LPG from</td> <td data-bbox="1157 1696 1263 1896">CtE - 54993</td> <td data-bbox="1263 1696 1414 1896">12.05.2029</td> </tr> </tbody> </table>	Sr. No.	Permission	Project activity	Ref. No.	Validity	a)	CtE – Fresh	For Laying the Underground LPG pipeline for transportation of LPG from	CtE - 54993	12.05.2029
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Status of the Conditions Stipulated in CRZ Clearance

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				Mundra LPG terminal Pvt. Ltd (MLTPL) to receiving terminal GAIL Mithi Rohar, having a total length of 91.35 KM (with 03 nos. of SV stations).		
		b)	CtO – Fresh	To operate the Underground LPG pipeline for transportation and distribution of LPG @ 6.75 MMTPA	AWH-66223	18.06.2028
		c)	CtE – Amendment	For CRZ applicability as per revised pipeline route map falls within APSEZ area	CtE-66434	- 08.08.2030
		d)	CtO – Amendment	For CRZ applicability as per revised pipeline route map falls within APSEZ area	W-68345	18.06.2028
(iii)	Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of Competent Authority.	<p>Complied</p> <p>No excavated muck has been generated and disposed-off. Construction waste, if any, is utilized for area development within the project site.</p> <p>The same practice will be adopted during balance project development.</p>				
(iv)	All liquid waste arising from the proposed development will be disposed of as per the norms prescribed by Central / State	<p>Complied</p> <p>The generated domestic sewage during construction phase of LPG pipeline was treated in</p>				

Status of the Conditions Stipulated in CRZ Clearance

Sr. No.	Conditions	Compliance Status as on 31.03.2024
	<p>Pollution Control Board. There shall not be any disposal of untreated effluent into the sea / coastal water bodies. It shall be ensured that the wastewater generated is treated in the STP as committed by the project proponent. The treated waste water shall be reused for landscaping, flushing and / or HVAC cooling purposes etc. within the development. The project proponent should also make alternate arrangement for situation arising due to malfunctioning of STP. There shall be regular monitoring of standard parameters of the effluent discharge from STP under intimation to the SPCB.</p>	<p>to centralized STP of APSEZ and disposed on land for horticulture purpose after confirming the GPCB norms and the same practice will be continued during balance project development.</p> <p>During operation phase of LPG Pipeline project, generated domestic sewage from intermediate SV stations only having nominal quantity, which is being disposed off through Soak pit / Septic tank system as per consent granted by GPCB.</p>
(v)	<p>Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.</p>	<p>Complied The hazardous waste is being collected and disposed to the authorized vendors as per Hazardous and Other Wastes (Management and Handling) Rules, 2016.</p>
(vi)	<p>A copy of the clearance letter shall be uploaded on the website of the concerned State Coastal Zone Management Authority/State Pollution Control Board. The Clearance letter shall also be displayed at the Regional Office, District Industries Centre and Collector's Office / Tehsildar's office for 30 days.</p>	<p>Complied</p> <p>The copy of CRZ Clearance order has been submitted to the respective concerned authorities the District Collector Office, Bhuj, the Deputy Chief Conservator of Forest office, Bhuj, District Industries Centre office, Bhuj, Range Forest Office, Mundra, GPCB Regional Office, Gandhidham, Sub District Magistrate office, Mundra, Mamlatdar Office, Mundra, and Taluka Vikas Adhikari office, Mundra. with the request for display at least for 30 days. The acknowledgements copy of the same was submitted during the compliance report submission for the period Apr'23 to Sep'23..</p> <p>A copy of the clearance letter is uploaded on APSEZ web site https://www.adaniports.com/ports-downloads.</p>
(vii)	<p>A six-monthly monitoring report shall need to be submitted by the project proponent to the concerned Regional Office of this Ministry regarding the implementation of the stipulated conditions.</p>	<p>Complied.</p> <p>Compliance report of CRZ conditions is uploaded regularly. A soft copy of last compliance report for the period of Apr'23 to Sep'23 was submitted through e-mail to Regional Office of Integrated</p>

Status of the Conditions Stipulated in CRZ Clearance

Sr. No.	Conditions	Compliance Status as on 31.03.2024
		Regional Office (IRO) @ Gandhinagar, Zonal Office of CPCB @ Baroda, GPCB @ Gandhinagar & Gandhidham and Dept. of Forests & Env., Gandhinagar on dated 29.11.2023. Copy of the same is also available on our web site https://www.adaniports.com/ports-downloads .
(viii)	The Ministry of Environment, Forest & Climate Change or any other Competent Authority may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with.	Point noted and agreed
(ix)	Full co-operation shall be extended to the officials from the Regional Office of MoEF&CC, during monitoring of implementation of environmental safeguards stipulated. It shall be ensured that documents/data sought pertinent is made available to the monitoring team. A complete set of all the documents submitted to MoEF&CC shall be forwarded to the concerned Regional Office of MoEF&CC.	Point noted and agreed
(x)	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.	Point noted and agreed
(xi)	The Ministry reserves the right to add additional safeguard measures subsequently, if considered necessary, and to take action to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner, including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, for non-compliance.	Point noted and agreed
(xii)	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be	Point noted and will be complied. Development of Road, Railway and Utility Corridor involves forest area of 4.04 Ha for which application for forest land diversion already submitted to MoEF&CC vide proposal No. FP/GJ/IND/18869/2016, dated 21.04.2016 and the

Status of the Conditions Stipulated in CRZ Clearance

Sr. No.	Conditions	Compliance Status as on 31.03.2024
	obtained, as applicable by project proponent from the respective Competent Authorities.	same is under scrutiny. The said project will be developed only after getting requisite forest clearances from concerned regulatory authorities. Development of underground LPG Pipeline does not involve any forest area.
(xiii)	The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded CRZ Clearance and copies of clearance letters are available with the State Pollution Control Board (SPCB) and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at https://parivesh.nic.in/ . The advertisement should be made within Seven days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the concerned Regional Office of this Ministry.	Complied. The original copy of the CRZ clearance was obtained on 05.04.2023 and advertisement (containing informing that the CRZ clearance is accorded to the proposed project and a copy of clearance letter is available with the SPCB and may also be seen at the website of MoEF&CC) was given in local Newspaper Sandesh in Gujarati (local language; and in The Indian Express (English) newspaper dated 11.04.2023. Copy of the newspapers was submitted along with EC compliance report submission for the period Apr'23 to Sep'23.
(xiv)	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	Complied The copy of CRZ clearance letter has been submitted to the respective concerned authorities the District Collector Office, Bhuj, the Deputy Chief Conservator of Forest office, Bhuj, District Industries Centre office, Bhuj, Range Forest Office, Mundra, GPCB Reginal Office, Gandhidham, Sub District Magistrate office, Mundra, Mamlatdar Office, Mundra, and Taluka Vikas Adhikari office, Mundra. with the request for display at least for 30 days. The acknowledgements copy of the same was submitted along with EC compliance report submission for the period Apr'23 to Sep'23. A copy of the clearance letter is uploaded on APSEZ web site https://www.adaniports.com/_ports-downloads .
(xv)	The proponent shall upload the status of compliance of the stipulated conditions, including results of monitored data on their website and shall update the same	Complied. Compliance report of EC conditions is uploaded regularly. A soft copy of last compliance report for the period of Apr'23 to Sep'23 was submitted

Status of the Conditions Stipulated in CRZ Clearance

Sr. No.	Conditions	Compliance Status as on 31.03.2024
	periodically. It shall simultaneously be sent to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB.	through e-mail to Regional Office of Integrated Regional Office (IRO) @ Gandhinagar, Zonal Office of CPCB @ Baroda, GPCB @ Gandhinagar & Gandhidham and Dept. of Forests & Env., Gandhinagar on dated 29.11.2023. Copy of the same is also available on our web site https://www.adaniports.com/ports-downloads .
(xvi)	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the project proponent along with the status of compliance of clearance conditions and shall also be sent to the respective Regional Office of the Ministry by e-mail.	Point noted and will be complied
6	This Clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.	Point noted and agreed
7	The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the CRZ clearance, if implementation of any of the above conditions is not found satisfactory.	Point noted and agreed
8	Concealing 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 the Environment (Protection) Act, 1986.	Point noted and agreed
9	Any appeal against this CRZ clearance shall lie with the National	Point noted and agreed

Status of the Conditions Stipulated in CRZ Clearance

Sr. No.	Conditions	Compliance Status as on 31.03.2024
	Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	
10	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	Point noted and agreed
11	This issues with approval of the Competent Authority.	Point noted and agreed

Status of the Conditions Stipulated in CRZ Clearance**ANNEXURE - A**

**Compliance Report of
GCZMA CRZ
recommendations vide its
letter No.ENV-10-2018-76-T,
dated 20/10/2022**

Status of the Conditions Stipulated in CRZ Clearance

S. No	GCZMA Condition	Compliance
1.	M/S APSEZL, Mundra shall carry out mangrove plantation in 50 Hectare area in consultation with concerned District Forest Office of Forest Department / Gujarat Ecology Commission within one year and shall deposit the required amount in Forest Department/Gujarat Ecology Commission.	<p>Agreed to Comply</p> <p>APSEZ will do mangrove afforestation in 50 Ha area in consultation with concerned District Forest Office of Forest Department/ Gujarat Ecology Commission.</p> <p>There is no any impact on mangroves due to laying of underground LPG Pipeline as HDD methodology has been adopted for the same.</p> <p>There shall be likely impact on mangrove due to proposed road, rail & utility corridor (which have not been developed so far) shall not more than 0.15 Hectare as per undertaking given to GCZMA.</p> <p>However, to enhance the marine biodiversity, till Mar'24 APSEZ has carried out mangrove afforestation in 4140 ha. area across the coast of Gujarat. Total expenditure for the same till date is INR 1592.8 lakh.</p> <p>Details on Mangroves afforestation & Green belt development carried out by APSEZ till date is annexed as ANNEXURE - 1.</p>
2.	M/S APSEZL shall ensure that likely impact on mangrove due to proposed utility corridor shall not more than 0.15 Hectare as per undertaking given to GCZMA.	<p>Agreed to Comply</p> <p>APSEZ will ensure that impact on mangrove due to proposed Utility corridor project shall not more than 0.15 Hectare and to protect and conserve the mangroves in and around utility corridor during construction as well as operation phase.</p>
3.	All necessary permissions from different Government Departments / agencies including FCA, shall be obtained by the APSEZL before commencing the expansion activities	<p>Agreed to Comply</p> <p>APSEZ get and will get all the requisite permissions for different Government Departments / agencies including FCA as applicable before commissioning of proposed project activities.</p>
4.	Unit shall carry out above ground construction only and in creek area above high tide level with clear height of @ 6 to 10 meters.	<p>Agreed to comply for proposed road, rail & utility corridor project.</p>

Status of the Conditions Stipulated in CRZ Clearance

S. No	GCZMA Condition	Compliance
5.	Unit shall maintain sufficient distance between piles to facilitate the movement of fisherman boats.	Agreed to comply for proposed road, rail & utility corridor project.
6.	M/S Adani Ports and SEZ Limited shall submit an undertaking strictly adhere to protect and conserve the mangroves in and around utility corridor during construction as well as operation phase.	Complied APSEZ had submitted an undertaking stating "to protect and conserve the mangroves in and around utility corridor during construction as well as operation phase" to the GCZMA vide our letter dated 21 st June, 2022 and same is being complied judiciously" The Copy of the same was submitted along with EC compliance report submission for the period Apr'23 to Sep'23.

Annexure – 1

Details of Greenbelt Development at APSEZ, Mundra

	Total Green Zone Detail till Up to March 2024					
LOCATION	Area (In Ha.)	Trees (Nos.)	Palm (Nos.)	Shrubs (SQM)	Lawn (SQM)	
SV COLONY	72.29	34920.00	7962.00	69696.00	100646.00	
PORT & NON SEZ	81.61	149359.00	19220.00	75061.78	62966.38	
SEZ	115.70	226120.00	20489.00	220583.60	28162.03	
MITAP	2.47	8113.00	33.00	3340.00	4036.00	
WEST PORT	104.29	248074.00	66816.00	24112.00	16369.00	
AGRI PARK	8.94	17244.00	1332.00	5400.00	2121.44	
SOUTH PORT	14.45	27530.00	3470.00	3882.00	3327.26	
Samundra Township	58.26	63722.00	11834.00	23908.89	47520.07	
Productive Farming (Vadala Farm)	0.00	0.00	0.00	0.00	0.00	
TOTAL (APSEZL)	457.99	775082.00	131156.00	425984.27	265148.18	
		906238.00				

Details of Mangrove Afforestation done by APSEZ

Sl. no.	Location	District	Area (Ha)	Duration	Species	Implementation agency
1	Mundra Port	Kutch	24	-	Avicennia marina	Dr. Maity, Mangrove consultant of India
2	Mundra Port	Kutch	25	-	Avicennia marina	Dr. Maity, Mangrove consultant of India
3	Luni/Hamirmora (Mundra)	Kutch	160.8	2007 - 2015	Avicennia marina, Rhizophora mucronata, Ceriops tagal	GUIDE, Bhuj
4	Kukadsar (Mundra)	Kutch	66.5	2012 - 2014	Avicennia marina	GUIDE, Bhuj
5	Forest Area (Mundra)	Kutch	298	2011 - 2013	Avicennia marina	Forest Dept, Bhuj
6	Jangi Village (Bhachau)	Kutch	50	2012 - 2014	Avicennia marina	GUIDE, Bhuj
7	Jakhau Village (Abdasa)	Kutch	310.6	2007-08 & 2011-13	Avicennia marina, Rhizophora mucronata, Ceriops tagal	GUIDE, Bhuj
8	Sat Saida Bet	Kutch	255	2014-15 & 2016-17	Avicennia marina & Biodiversity	GUIDE, Bhuj
9	Dandi Village	Navsari	800	2006 - 2011	Avicennia marina, Rhizophora mucronata, Ceriops tagal	GEC, Gandhinagar
10	Talaja Village	Bhavnagar	50	2011-12	Avicennia marina	Forest Dept, Talaja
11	Narmada Village	Bhavnagar	250	2014 - 2015	Avicennia marina	GEC, Gandhinagar
12	Malpur Village	Bharuch	200	2012-14	Avicennia marina	SAVE, Ahmedabad
13	Kantiyajal Village	Bharuch	50	2014-15	Avicennia marina	SAVE, Ahmedabad
14	Devla Village	Bharuch	150	210-16	Avicennia marina	SAVE, Ahmedabad
15	Village Tala Talav (Khambhat)	Anand	100	2015 - 2016	Avicennia marina	SAVE, Ahmedabad
16	Village Tala Talav (Khambhat)	Anand	38	2015 - 2016	Avicennia marina	GEC, Gandhinagar
17	Aliya Bet, Village Katpor (Hansot)	Bharuch	62	2017-18	Avicennia marina & Rhizophora spp.	GEC, Gandhinagar
18	Kukadsar- (Bhadeswar- Mundra)	Kutch	250	2021-22	Avicennia marina	Shreeji Enterprise, Amreli
19	Kukadsar- (Bhadeswar- Mundra)	Kutch	750	2022-23	Avicennia marina	Shreeji Enterprise, Amreli
20	Kukadsar- (Bhadeswar- Mundra)	Kutch	250	2023-24	Avicennia marina	Shreeji Enterprise, Amreli
Total			4140			