



सत्यमेव जयते

File No.: 10/51/2021-IA.III  
Government of India  
Ministry of Environment, Forest and Climate Change  
IA Division

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Dated 19/11/2025



To,

Anil Kumar Trivedi  
ADANI GANGAVARAM PORT LIMITED  
ADANI CORPORATE HOUSE Shantigram, Near Vaishnodevi circle, SG Highway,  
Khodiyar, Ahmedabad, AHMADABAD, GUJARAT, 382421  
environment.agpl@adani.com

**Subject: Amendment in EC & CRZ Clearance for Change in Cargo Mix for Development of Liquid Cargo Storage and Handling within Adani Gangavaram Port Limited located at Visakhapatnam, Andhra Pradesh by M/s Adani Gangavaram Port Limited- Amendment under Clause 7(ii) regarding.**

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/AP/INFRA1/542139/2025 dated 07/08/2025 for grant of an amendment in prior Environmental Clearance (EC) to the project under the provision of the EIA Notification 2006-and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC25A3501AP5181140A
(ii) File No.	10/51/2021-IA.III
(iii) Clearance Type	Amendment in EC
(iv) Category	A
(v) Schedule No./ Project Activity	7(e) Ports, harbors, breakwaters, dredging
(vi) Sector	INFRA-1
(vii) Name of Project	Amendment in EC & CRZ Clearance for Change in Cargo Mix for Development of Liquid Cargo Storage and Handling within Adani Gangavaram Port Limited
(viii) Location of Project (District, State)	VISAKHAPATANAM, ANDHRA PRADESH
(ix) Issuing Authority	MoEF&CC
(x) EC Date	06/11/2025
(xi) Applicability of General Conditions	NO

(xii) Status of implementation of the project

3. The proposal is for amendment in EC & CRZ Clearance under Clause 7(ii) of EIA Notification, 2006, for Change in Cargo Mix for Development of Liquid Cargo Storage and Handling within Adani Gangavaram Port Limited located at Visakhapatnam, Andhra Pradesh by M/s Adani Gang Avaram Port Limited.

4. The project/activity is covered under the category 'A' of item 7(e), i.e., 'Ports, harbours, breakwaters, dredging' of the schedule to the EIA Notification, 2006, and its subsequent amendments.

5. Gangavaram Port obtained Environmental and CRZ Clearance for a cargo handling capacity of 16.54 MTPA for the construction of four berths (dry bulk cargo-1, Fertilizer/limestone-1, container terminal-1 and break/multipurpose-1) and one exclusive berth for port crafts besides providing warehousing facilities and transit sheds vide EC No.10-3/2005-IA.III dated 11.03.2005. Subsequently for development of fifth berth, GPL obtained EC & CRZ Clearance vide order F.No.10-14/2009-IA.III dated 19.03.2010. Further, EC & CRZ clearance for Phase – II was obtained vide letter no.11-91/2010-IA-III, dated 07.02.2012 with capacity augmentation from 16.54 MTPA to 40.95 MTPA and four additional berths (one mechanized coal berth to handle cape-size coal carrier and three multipurpose berths), for which, environmental public consultation was held on 12.05.2011 as per EIA notification, 2006 (as amended). Further, "EC and CRZ clearance for Increase in cargo handling capacity from 40.95 to 60.95 MTPA with existing 9 berths and within approved project area of 1800 acre through modernisation/mechanisation at Gangavaram Port, Pedagantyada Mandal, Visakhapatnam District, Andhra Pradesh by M/s Gangavaram Port Limited" under Clause 7(ii) of EIA Notification, 2006 (as amended) and CRZ Notification 2011 was obtained from the Ministry vide letter no.10/51/2021-IA.III dated 24/12/2021.

6. Now AGPL has submitted the online application vide proposal no. IA/AP/INFRA1/542139/2025 dated 07/08/2025 under Clause 7(ii) of the EIA Notification, 2006 for amendment in EC and CRZ clearance granted by the Ministry vide letter no.10/51/2021-IA.III dated 24/12/2021 for change in cargo mix to develop facility for liquid cargo storage and handling within approved capacity of 60.94 MTPA and without increasing pollution load. The details of the existing and proposed cargo mix are as following:

S.No.	Name of the cargo	As per EC and CRZ clearance vide letter no. 10/51/2021-IA.III dated 24/12/2021 Approved Cargo Profile (MTPA)	Proposed Change in Cargo Profile (MTPA)	Remarks
1.	Iron ore	5.50	5.5	No change
2.	Coal	28.25	28.25	No change
3.	Multi-Purpose Cargo-Agri products, (Food grains in bags or bulk, Chic-peas, Cereals, Pulses, Sugar, Raw Sugar), Slag, Limestone, Bauxite, Steel Products	S. No.	11.70	Decreased by 1 MTPA

	(Steel Beams, Coils, Billets, Angles, Channels, Project Cargo), Bulk Alumina & Other cargos			
4.	Containers	8.00	6.00	Decreased by 2 MTPA
5.	Fertilizer	2.50	2.50	No change
6.	Industrial Raw Material (Ferro silicon, Charge Chrome, Chrome ore, Coal Tar (Bags), Aluminium Ingots, Aluminium Billets, Bentonite, Pig iron, Manganese ore, Wood items, Paper bundles, CP Coke Bauxite, gypsum, clinker, scrap)	3.50	3.50	No change
7.	Liquid cargo (Edible oil, caustic lye) Proposed - LPG, POL – class A, B & C etc. and non-hazardous liquid cargo etc.)	0.50	3.50	Liquid cargo handling capacity is proposed to rearrange to 3.5 MTPA to handle LPG, Butane, Propane, Propylene, POL – class A, B & C etc. and non-hazardous liquid cargo, edible oil and caustic lye.
Total		60.95	60.95	-

Out of 3.5 MTPA; POL of 2.4 to 2.8 MTPA capacity will be directly hand-over to the vendor through pipeline. Without any storage in the proposed project site, remaining amount of liquid cargo i.e., LPG, Butane and Propane will be stored in the tanks separately.

7. The CRZ map of 1:4000 scale were prepared by IRS, Anna University. The facilities proposed such as liquid cargo storage area and pipeline corridor is falling partly in CRZ II. The activities proposed within CRZ area are permissible as per CRZ Notification, 2011.

Description	CRZ – Classification	Area in Sq.m	Total Area in Sq.m
Proposed Liquid Pipeline Corridor	CRZ – II	8551.38	39850.48
	Outside CRZ	31299.1	
Proposed Liquid Storage Facility	CRZ – II	303.29	92796.82

	Outside CRZ	92493.53	
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Andhra Pradesh Coastal Zone Management Authority (APCZMA) recommended the project vide Letter No. 609/CRZ/Proj/2024-326 dated 01-06-2025.

8. The Project Proponent has prepared an Environmental Impact Assessment (EIA) Report for the proposed amendment. It has been observed that, due to the revision in the cargo mix, the number of truck movements for multipurpose cargo and fertilizers will be reduced by approximately 35 trucks. Consequently, no additional tankers or trucks will be required as part of the proposed change in cargo mix. Furthermore, no marine-side development activities, including dredging, are envisaged. The handling of liquid cargo such as LPG, Butane, Propane, Propylene, and POL (Class A, B, and C) as well as non-hazardous liquids, can be undertaken at Berths No. 8 and 9—both of which are already developed for handling multipurpose cargo—by installing the requisite handling equipment and storage facilities.

#### 9. Approved Facilities Vs Amendment in Environmental & CRZ Clearance

S.No	Attribute	Approved by MoEF&CC as per EC	Proposed Change in cargo profile	Remarks
1.	Cargo Capacity	60.95 MTPA	60.95 MTPA	No change
2.	Cargo type	Coal Iron ore Limestone Multipurpose cargo Containers Fertilizers Industrial raw material Liquid cargo (Edible oil, caustic lye)	Coal Iron ore Limestone Multi purpose cargo Containers Fertilizers Industrial raw material Liquid cargo (Edible oil, caustic lye, LPG, POL, class (A, B, C))	Change in cargo mix within approved 60.95 MTPA. Now AGPL would like to handle 3.5 MTPA of liquid cargo such as Liquid LPG and POL class A, B, C, edible oil and caustic lye.
3.	No.of Berths	Nine (9) (existing)	Nine (9) (existing)	No change
4.	Break waters	North: 803 m; South: 1750 m		No change
5.	Capital and Maintenance Dredging	No additional capital and maintenance dredging is envisaged		No change
6.	Reclamation	No reclamation	No reclamation	No change
7.	Navigation Channel	Length: 1700 m; Width: 200 m; Depth: -20.2 m CD		No change
8.	Turning circle	Diameter: 600 m; Depth: -19.5 m CD		No change
9.	Land area for cargo storage	1800 acres		No change, storage tanks proposed are within approved land Area
10.	Water	1658 KLD		No change

11.	Wastewater	Existing STP of 30 KLD, 5 KLD along with proposed 15 KLD STP will meet the generation of 2.4 KLD and reduction in multipurpose cargo will have reduction in sewage generation		No additional treatment facility required and existing STP will cater the generated Wastewater
12.	Solid waste			
	a) Domestic solid waste	13.6 T/m	0.48 T/m	No change As there is reduction in multipurpose cargo, fertiliser and container cargo handling, domestic waste generation will also be reduced and this domestic waste generation of 0.48 T/m be easily handled with existing mode of management
	b) Discarded material, plastic material	10.25 T/m	No change is anticipated	No change
	c) Sludge from STP	1.165 T/m	No change is anticipated	No change
	d) Waste Oils & Grease	25 Metric TPA	No change is anticipated	No change
	Waste/ used oil / oil sludge generated in e) ships	600 Metric TPA	No change is anticipated	No change
13.	Power supply	14.5 MVA	5 MVA	Additional power will be sourced from APTRANSCO
14.	Employment	400	65	Reduction in multipurpose cargo, fertiliser and container cargo handling will compensate the employment/No change
15.	Project Cost	Rs.5055 crores	Rs.1688 crores (additional)	Provision of storage, handling equipment and safety aspects including automation facilities will cost additionally Rs.1688 crores.

10. No additional marine infrastructure such as berths, capital dredging, breakwater, reclamation is proposed. No additional land is proposed as sufficient land is available within already approved port boundary of 1800-acre area.

11. Observation of the committee:

- i. The current proposal is amendment in EC and CRZ Clearance for change in cargo mix to develop facility for liquid cargo storage and handling within approved capacity of 60.94 MTPA and without increasing pollution load. The same has been considered as per the OM issues by the Ministry dated 11th April, 2022, under the category of modernization/change of product mix.
- ii. Though the PP has conducted a comprehensive risk assessment study for the proposed liquid cargo facility, covering both the construction and operation phases. The study includes detailed Hazard Identification (HAZID), Preliminary Hazard Analysis (PHA), and Consequence Analysis addressing Maximum Credible Accident (MCA) scenarios yet the BLEVE Study shall also be conducted which is crucial for safety in the port that handle pressurised liquids like LNG and LPG and incorporate appropriate mitigation measures for such extreme scenarios in the project documentation. Compliance with these requirements shall be ensured prior to commencement of project activities.
- iii. The Project Proponents (PP) shall ensure that handling of liquid cargo is carried out with stringent safety measures in place, including proper training of personnel, use of appropriate equipment, and implementation of standard operational protocols, to minimize risks of spillage, fire, or other operational hazards, and to ensure full compliance with applicable safety and environmental regulations.
- iv. The Project Proponents (PP) have submitted Standard Operating Procedures (SOPs) detailing the operational protocols to minimize risks associated with liquid cargo handling. The PP shall strictly adhere to these SOPs to ensure safe operations and compliance with applicable safety and environmental regulations and should also attempt to ensure that coal operations and LNG/LPG operations are not carried out simultaneously.

12. Reason of Amendment: Due to changes in market demand, AGPL has been receiving various inquiries from stakeholders regarding the handling of additional liquid cargo types, including LPG, POL-class A, B, and C, as well as non-hazardous liquids.

13. Court Cases: There is no court case involved in the project.

14. The EAC, taking into account the submission made by the project proponent had a detailed deliberation in its 412<sup>th</sup> meeting of the Expert Appraisal Committee held on 14<sup>th</sup> August, 2025, 417<sup>th</sup> meeting held on 26<sup>th</sup> September, 2025 and 420<sup>th</sup> meeting of Expert Appraisal Committee held on 15<sup>th</sup> October, 2025 **recommended** the proposal for amendment in EC and CRZ clearance vide letter no.10/51/2021-IA.III dated 24/12/2021 for change in cargo mix to develop facility for liquid cargo storage and handling within approved capacity of 60.94 MTPA under the provisions of clause 7(ii) of the EIA Notification, 2006 and CRZ notification, 2011 subject to all specific conditions and Standard Conditions applicable for such projects.

15. The Ministry of Environment, Forest and Climate Change has considered the proposal based on the recommendations of the Expert Appraisal Committee (Infrastructure, CRZ and other Miscellaneous projects) and hereby decided to grant of amendment in the EC and CRZ clearance granted by the Ministry vide letter No. 10/51/2021-IA.III dated 24/12/2021 under Clause 7(ii) of EIA Notification 2006 and CRZ notification, 2011 as per following details:

S.No.	Name of the cargo	As per EC and	Proposed	Remarks
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		CRZ clearance vide letter no. 10/51/2021-IA.III dated 24/12/2021 Approved Cargo Profile (MTPA)	Change in Cargo Profile (MTPA)	
1.	Iron ore	5.50	5.5	No change
2.	Coal	28.25	28.25	No change
3.	Multi-Purpose Cargo-Agri products, (Food grains in bags or bulk, Chic-peas, Cereals, Pulses, Sugar, Raw Sugar), Slag, Limestone, Bauxite, Steel Products (Steel Beams, Coils, Billets, Angles, Channels, Project Cargo), Bulk Alumina & Other cargos	S. No.	11.70	Decreased by 1 MTPA
4.	Containers	8.00	6.00	Decreased by 2 MTPA
5.	Fertilizer	2.50	2.50	No change
6.	Industrial Raw Material (Ferro silicon, Charge Chrome, Chrome ore, Coal Tar (Bags), Aluminium Ingots, Aluminium Billets, Bentonite, Pig iron, Manganese ore, Wood items, Paper bundles, CP Coke Bauxite, gypsum, clinker, scrap)	3.50	3.50	No change
7.	Liquid cargo (Edible oil, caustic lye) Proposed - LPG, POL – class A, B & C etc. and non-hazardous liquid cargo etc.)	0.50	3.50	Liquid cargo handling capacity is proposed to rearrange to 3.5 MTPA to handle LPG, Butane, Propane, Propylene, POL – class A, B & C etc. and non-hazardous liquid cargo, edible oil and caustic lye.

Total	60.95	60.96	-
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16. The above amendment is subject to compliance of the following conditions mentioned at Annexure 1:

17. This issues with the approval of the Competent Authority.

**Copy To**

1. The Principal Secretary, Department of Environment, Forest, Science & Technology, Government of Andhra Pradesh, Room No-268, First Floor, Building No-4, A.P. Secretariat, Velagapudi, Amaravati, Andhra Pradesh-522503.
2. The Inspector General of Forests (C), Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Vijayawada Green House Complex, Gopalareddy Road, Vijayawada – 520010, Andhra Pradesh.
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -32.
4. The Member Secretary, Andhra Pradesh Pollution Control Board, Chalamalavaii Street, Kasturibaipet, Vijayawada - 520 010.
5. Monitoring Cell, MoEF&CC, Indira Paryavaran Bhavan, New Delhi.
6. Guard File/Record File.
7. Notice Board.

**Annexure 1**

**Specific EC Conditions for (Ports, Harbors, Breakwaters, Dredging)**

**1. Specific Conditions**

S. No	EC Conditions
1.1	All the terms and conditions mentioned in the Environmental and CRZ clearance letter no.10/51/2021-IA.III dated 24/12/2021 shall remain unchanged.
1.2	The Amendment of the EC is being granted for the original proposals for which Environmental and CRZ Clearance vide letter of even no dated 24/12/2021 was granted earlier. The validity of the EC shall remain the same as provided in the Environmental Clearance letter dated 24/12/2021.
1.3	Construction activity shall be carried out strictly according to the provisions of the CRZ Notification, 2011. All the storage proposed in the CRZ area shall be in line with the CRZ notification, 2011.
1.4	All the recommendations and conditions specified by the Andhra Pradesh Coastal Zone Management Authority (APCZMA) recommended the project vide Letter No. 609/CRZ/Proj/2024-326 dated 01-06-2025 shall be complied with. The compliance report shall be submitted to the concern IRO, MoEF&CC along with the 6 monthly EC compliance report.
1.5	No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in the Coastal Regulation Zone area.

S. No	EC Conditions
1.6	In addition to the comprehensive Risk assessment studies for liquid cargo already conducted the Project Proponents (PP) shall also undertake the BLEVE Study and incorporate appropriate mitigation measures for such extreme scenarios in the project documentation. Compliance with these requirements shall be ensured prior to commencement of project activities and a compliance report shall be submitted along with 6 monthly compliance reports.
1.7	The Project Proponents (PP) have submitted Standard Operating Procedures (SOPs) detailing the operational protocols to minimize risks associated with liquid cargo handling. The PP shall strictly adhere to these SOPs to ensure safe operations and compliance with applicable safety and environmental regulations and should also attempt to ensure that coal operations and LNG/LPG operations are not carried out simultaneously.
1.8	Trees planted would be planted under the campaign " एक_पेड़_म_11_के_नाम ", and the details of the trees planted would be uploaded on the portal <a href="https://merilife.nic.in">https://merilife.nic.in</a> .
1.9	All liquid waste arising from the proposed development will be disposed of as per the norms prescribed by the Central/State 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.

