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File No: 10-138/2008-IA.III  
Government of India  
Ministry of Environment, Forest and Climate  
Change  
IA Division  
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Date 19/02/2026



To,

DR. ANIL KUMAR TRIVEDI  
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AHMEDABAD 382421., KACHCHH, GUJARAT, , 382421  
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**Subject: Development of 1576.81Ha Industrial Park/SEZ at Siracha, Navinal, Dhrub, Mundra, Baroi, Goarsama, Luni, Bhadreshwar villages, Mundra Tehsil, Kutch District, Gujarat by M/s Adani Ports and Special Economic Zone Limited-Expansion Environmental and CRZ clearance regarding.**

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/GJ/INFRA1/556158/2025 dated 27/11/2025 for grant of prior Environmental Clearance (EC) to the proposed 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.	EC25A3101GJ5279222N
(ii) File No.	10-138/2008-IA.III
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	7(c) Industrial estates/ parks/ complexes/ areas, export processing Zones (EPZs), Special Economic Zones
(vi) Sector	INFRA-1
(vii) Name of Project	DEVELOPMENT OF 1576.81 HA INDUSTRIAL PARK/SEZ AT MUNDRA, KUTCH DISTRICT, GUJARAT
(viii) Name of Company/Organization	ADANI PORTS AND SPECIAL ECONOMIC ZONE LIMITED
(ix) Location of Project (District, State)	KACHCHH, GUJARAT

(x) Issuing Authority

MoEF&CC

(xi) Applicability of General Conditions as per  
EIA Notification, 2006

No

3. The proposal is for Development of 1576.81 Ha Industrial Park/SEZ at Siracha, Navinal, Dhruv, Mundra, Baroi, Goarsama, Luni, Bhadreshwar villages, Mundra Tehsil, Kutch District, Gujarat by M/s Adani Ports and Special Economic Zone Limited. The proposed project is distinguished into 12 land parcels for proper planning and this project lies in between the geo coordinates of 22° 46 '48.04" to 22.7800° N 22° 54' 38.60" N to 22.9107° N.

4. The proposed area of 1576.81 ha for development of IP/SEZ consists of land parcels that are internal land falling within the overall 18000 ha of the APSEZ. Out of which, 8481.2784 ha of area has been notified as Port based Multiproduct SEZ vide Ministry of Commerce and Industry (MoCI) vide gazette notification no.S.O.3029(E) dated 21<sup>st</sup> September,2016. Earlier EC&CRZ Clearance for 6641.2784 Ha was granted by the Ministry vide F.No.10-138/2008-IA.III dated 15<sup>th</sup> July, 2014. Subsequently, EC&CRZ Clearance for additional area of 1840 Ha was granted by the Ministry vide F. No. 10-138/2008-IA.III dated 12<sup>th</sup> February, 2020. Now APSEZ has proposed to develop an area of 1576.81 Ha as Industrial Park/SEZ (IP/SEZ) which is adjoining land parcels of notified IP/SEZ.

5. The project/activity is covered under the category 'A' of item 7(c) Industries of the schedule to the EIA Notification, 2006, and its subsequent amendments. Total cost of the project is Rs 2,000crores.

6. The ToR proposal was considered in the 268th EAC meeting held on 26<sup>th</sup>-27<sup>th</sup> July, 2021, the committee recommended the proposal for undertaking a detailed EIA/EMP report. The Ministry has prescribed the ToR vide letter no.10-138/008-IA.III dated 30<sup>th</sup> November, 2021.

7. Public hearing for the project was conducted at Kutch district. The details of the public hearing are as following:

Date	Venue	Paper Advertisement	Chaired by
27 <sup>th</sup> March,2025	SurveyNo.295 PaikiAPSEZ Area,Shiracha - NavinalRoad,Near Daneshwar MahadevMandir, Village - Shiracha, Taluka-Mundra, District:Kutch, Gujarat	Public Hearing notification was published in local newspaper Gujarati language on 22nd February, 2025 (Kutch Mitra) and in English language - 22nd February, 2025 (The Indian Express)	Sub Divisional Magistrate& Deputy Collector

8. Land Use/Cover: The total area proposed for Mundra IP/ SEZ is 1576.81 Ha. (3896.38 Acres). The details of the land use/Cover of the project area is as follows:

Land Use	Area in ha	Percentage (%)
Industries	799.49	50.7%
Green Area/Open Space(within CRZ Area)	235.40	14.9%
Social Infra (as per FCA guidelines 1980 hospitals, schools, dispensaries,	18.92	1.2%

community halls, cooperatives etc		
Utilities, Amenities & Facilities (Within & outside CRZ)	159.50	10.1%
Green Area / Open Space (by Member Industries & Developer outside CRZ area)	10133	6.4%
Transportation (Road, Runway& Railway Corridor tc.	196.46	12.5%
Drainage/ Storm Water Channel (Within & Outside CRZ)	65.71	4.2%
Total Area	1576.81	100%

9. List to industries: Proposed Industrial Sectors under 1576.81 ha Heavy and Light Engineering, Textile and Apparels: Ginning/Weaving, spinning mills, Weaving and Knitting Mills cotton and manmade fabrics and apparels manufacturing; technical textiles (Mainly textile based and handloom),Plastics: Plastic products for packaging, automobile, consumer durables, health care, etc., by injection, Blow, Moulding, Extrusion etc., Timber/wood products such as Furniture, sports goods, Wood flooring etc.,TPP (expansion),Commercial airport (part of the land falling within 1576.81 ha),CFS and warehousing, Mix Industrial Cluster, viz engineering warehouse etc., Ware housing, Social infrastructure (as per FCA guidelines),Treatment facilities for waste and effluents and conveyance of treated effluents. Facilities for intake water for desalination plants, etc., and outfall for discharge of treated wastewater. A desalination plant of 66 MLD (55 MLD + 11MLD) capacity is proposed along with intake and outfall pipeline system, which will be developed on modular basis within APSEZ to meet the freshwater requirement of APSEZ.

10. Terrain and topography: The proposed land of 1576.81 Ha is flat terrain, with some parcel under intertidal region. In the project, site elevation ranges from 2 to 13 m from North to South direction.

11. There is no mangrove/mangrove buffer that falls within the CRZ area of the project i.e. 276Ha. Out of Desalination Plant intake and outfall pipeline, only Outfall pipeline- 1 will pass through CRZ-IA (Mangrove/Mangrove buffer area). However, the same will be laid as a part of the utility corridor-2 of APSEZ for which EC & CRZ Clearance granted vide F.No.10-24/2019-1A-III, dated 13<sup>th</sup>August, 2024 under WFDP-Expansion project.

12. The proposed project includes development of a desalination plant of 66 MLD capacity (55 MLD + 11 MLD) along with the associated intake and outfall pipeline system, to be developed on a modular basis within the APSEZ area to meet freshwater requirements. While the desalination plant does not fall under the ambit of the EIA Notification, 2006, it falls under the provisions of the CRZ Notification, 2011. However, since the entire project is being appraised for Environmental along with CRZ clearance, and the EIA/EMP report comprehensively covers all project components, including the desalination plant, a separate CRZ clearance exclusively for the desalination plant is not required. The desalination component shall be considered as an integral part of the overall project under the present appraisal.

13. Details of water bodies: Water courses in 10 km radius Danesri Nadi-within parcel no.1, Milti Nadi-20m E from parcel no.12, Bhukhi Nadi - 2.8 km N from parcel no.3, Phot Nadi - 1 km E from parcel no.5, Nagavanti Nadi-3.3 NE from parcel no.4, Kotadi creek - 1.4 km S from parcel no.1, Baradi mata creek-5.0 km SE, from parcel no 4Bocha creek - 5.5 km SE from parcel no. 5 Small streams flow through parcels. These streams will remain undisturbed, and adequate green belt is proposed around them as a buffer. Hence, no bridges/culverts are proposed over natural drainage system. An adequate drainage system will

be provided at the site with separate collection streams to segregate the storm water run-off, material storage areas and other wastewater streams Culverts wherever required for crossing the streams will be developed in the project site. The site will be developed to provide a gradient for collection of rainwater and diverting of the same into rainwater harvesting pits. Storm water drainage system will be provided to ensure the Discharge of drains flowing across the site is catered.

14. Water requirements: During construction, phase water requirement will be 1 MLD and will be met through existing water supply system of APSEZ. During the operational phase, the total water requirement will be 66 MLD, which will be met through a proposed desalination plant of approximately 66 MLD capacity, to be developed on a modular basis within the APSEZ area.

15. Details of Tree Cutting and Green Belt Development: 300 trees to be felled for the proposed development. The project site is flat terrain and predominantly covered by invasive exotic species (i.e. Prosopis juliflora). Reserve forest majorly consists of Prosopis juliflora species, which shall be cleared.

16. Total greenbelt area within proposed SEZ/IP will be 336.73 Ha (21.3%). Approximately an area of 235.40 Ha (14.9 %) in CRZ area is proposed for Green/Open spaces which will be developed by developer i.e. APSEZ. Park/SEZ level allotted greenbelt/area of 101.33 Ha (6.4%), which will be developed by member industries and developer (across the periphery of project boundary) outside CRZ area. APSEZ will develop necessary greenbelt areas/green cover at park level with suitable native tree species adaptable to the region.

17. Diversion Forest Land: The proposal involves an area of 1576.81 Ha, which is adjoining land parcels of notified IP/SEZ. The land identified for the proposed IP/SEZ is forestland and Stage I forest clearance has been obtained from MoEF&CC vide F.No.8-04/2016-FC dated 16<sup>th</sup> November, 2018. Stage II forest clearance is under process.

18. The proposed site is not located within 10 km of Protected Areas (PA) including National Parks, Sanctuaries and Tiger Reserves etc and Eco-Sensitive Zone (ESZ) or Eco-Sensitive Area (ESA) notified. No avifaunal species was found under IUCN Threat Category. There was no endemic aquatic species recorded during study. However, The Gujarat Institute of Desert Ecology (GUIDE), Kachchh, Gujarat conducted a biodiversity assessment for the project area and reported the presence of 22 Schedule-I species (as per the Indian Wildlife (Protection) Act, 1972; updated 2022), along with 9 Near Threatened and 3 Vulnerable species as per the IUCN Red List within the buffer area of the project. Based on these findings, GUIDE has prepared the biodiversity management and conservation plans for Scheduled, Endangered, Vulnerable, and Near Threatened species in and around the buffer areas of the project.

19. Details of CRZ area: CRZ clearance is involved in the proposal. Physical demarcation of HTL, LTL and delineation of CRZ boundaries for the proposed development area were carried out by National Centre for Earth Science Studies (NCESS), Thiruvanthapuram, Kerala. As per the CZMP of Gujarat, the proposed project area for the development of 1576.81 ha of industrial park/SEZ, including intake & outfall facilities for the desalination plants in the plan layout, partially falls in CRZ IA, CRZ IB, CRZ III, CRZ IVA, CRZ IVB and outside CRZ. The details are as follows:

S No.	Project Activities	CRZ IA	CRZ IB	CRZ III		CRZ IVA	CRZ IVB	Total
				NDZ (up to 200 m from HTL)	200-500m from HTL			
1	Proposed Intake Pipeline - 1 (m)	--	737.36	262.32	553.08	4514.47	--	6057 m
2	Proposed Outfall	3164.09	235.77	644.23	-	1214.68	--	5270 m

	Pipeline-1 (m)							
3	Proposed Intake Pipeline-2 (m)	3615.20	--	189.74	339.08	4916.40	--	9060 m
4	Proposed Outfall Pipeline- 2 (m)	2502.28	--	265.82	818.97	4134.78	1461.09	9182 m
5	Permissible Activities as per CRZ Notification, 2011 (m <sup>2</sup> ) Green Space / Open Space Drainage / Storm Water Channel Supporting Utilities (Power and Pipeline Corridor)	2630021	--	19295	110715	--	--	2760031 Sqm (~276.0 Ha)

Gujarat Coastal Zone Management Authority recommended the project vide letter no.ENV/10/2025/59/T dated 24<sup>th</sup> November, 2025.

20. Waste Management: The proposed project shall implement a Zero Liquid Discharge (ZLD) system. Sewage generated will be treated in a proposed 1 MLD Sewage Treatment Plant (STP) to be developed on a modular basis within the APSEZ area. Industrial effluent will be treated in a 50 MLD Common Effluent Treatment Plant (CETP), also to be developed on a modular basis within the APSEZ area. The treated wastewater from the STP and CETP shall be reused/recycled for horticulture and other non-potable requirements within the APSEZ area. Municipal solid waste generated from canteen and administrative areas during the expansion phase is estimated at approximately 6.5 TPD, including sludge from the STP, of which about 60% is biodegradable and 40% non-biodegradable. The municipal solid waste shall be managed and disposed of in accordance with the Solid Waste Management Rules, 2016. Industrial solid waste generation is estimated at approximately 123 TPD of non-hazardous waste. In addition, about 18.46 TPD of hazardous waste will be generated from common infrastructure facilities, including sludge from the CETP. Hazardous waste generated from both common facilities and individual industries shall be disposed of through authorized vendors in compliance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, as amended. Other waste streams, including biomedical waste, e-waste, and construction and demolition (C&D) waste, shall be managed and disposed of as per the respective Waste Management Rules, 2016. No discharge will be released into the sea.

21. Rain Water Harvesting: Rainwater harvesting shall be implemented at proposed IP to conserve rainwater. Roof top area, greenbelt/green area, road/paved area and open areas proposed in IP are considered for arriving the rainwater, which can be harvested. Total Volume of run-off that can be harvested is 1832637 m<sup>3</sup>/Year.

22. Land acquisition and R&R issues involved: There will not be any Resettlement or Rehabilitation(R&R).

23. Employment opportunity: the proposed development during the construction phase, will generate employment of approximately 1000 to 1500 people and during the operation phase, approximately 3000

and 10000 people will get direct and indirect employment respectively (skilled, unskilled, & semiskilled).

24. Benefits of the project: Capacity-building and skill-development programmes for local youth to enhance employability, with focused initiatives for women's empowerment. Improvement in living standards and purchasing power of the local population. Development and upgradation of physical infrastructure, including roads, transport, and telecommunication facilities. Strengthening of social infrastructure such as schools, hospitals, public amenities, and community centres. Overall enhancement of the regional economy and socio-economic conditions.

25. Promotion of environmental sustainability through large-scale greenbelt development, including mangrove afforestation, rainwater harvesting and groundwater recharge measures, biogas projects benefiting farmers, and encouragement of renewable energy use. Economic growth through employment generation during the construction phase (approximately 1,000–1,500 persons) and operation phase (direct employment of about 3,000 persons and indirect employment of about 10,000 persons), along with a boost to local and regional trade activities and increased inflow of Foreign Direct Investment (FDI).

26. Detail of Court Case: There is no court case involved in the project.

27. The EAC based on the information submitted and clarifications provided by the project proponent and detailed discussions held on all the issues during its 430<sup>th</sup> meeting held on 24<sup>th</sup> December, 2025 and 432<sup>nd</sup> meeting of Expert Appraisal Committee held on 15<sup>th</sup>-16<sup>th</sup> January, 2026 **recommended** the proposal for grant of environmental and CRZ clearance with stipulated specific conditions along with other Standard EC Conditions.

28. 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 Environmental and CRZ Clearance for 'expansion of 1576.81 Ha Industrial Park/SEZ at Siracha, Navinal, Dhrub, Mundra, Baroi, Goarsama, Luni, Bhadreswar villages, Mundra Tehsil, Kutch District, Gujarat by M/s Adani Ports and Special Economic Zone Limited' under the EIA Notification, 2006 and CRZ notification, 2011 as amended, subject to strict compliance of the following specific conditions, in addition to all standard conditions applicable for such projects.

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

**Copy To**

1. The Principal Secretary, Forest & Environment Department 8<sup>th</sup> Floor, Block-14, New Sachivalaya, Gandhinagar-382010.
2. The Deputy Director General of Forests (C), Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Gandhi Nagar A wing- 407 & 409, Aranya Bhawan, Near CH-3 Circle, Sector-10A, Gandhi Nagar-382010.
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi – 32.
4. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10A, Gandhinagar (Gujarat)-10.
5. Parivesh Portal.
6. Guard File/Monitoring File/Website/Record File.

**Annexure 1**

**1. Specific Conditions**

S. No	EC Conditions
1.1	Construction activity shall be carried out strictly according to the provisions of the CRZ Notification, 2011.
1.2	The Project Proponent (PP) shall ensure that no permanent structures, reclamation, obstruction, or alteration of natural tidal flow occurs within the CRZ areas, creeks, or rivers. The PP shall further ensure that no creeks or rivers are blocked, diverted, or altered due to any project-related activity, and that the free and uninterrupted flow of water is maintained at all times during both the construction and operational phases.
1.3	There should not be any groundwater extraction in the CRZ areas.
1.4	All the recommendations and conditions specified by the Gujarat Coastal Zone Management Authority vide letter no.ENV/10/2025/59/T dated 24 <sup>th</sup> November, 2025 shall be complied with.
1.5	The proponent has to comply with the Ministry's OM no. J-11011/321/2016-IA.II(I), dated 27.04.2018 which made it mandatory for certain types of industries to conduct public hearings irrespective of their location within the Industrial Area or outside the industrial area.
1.6	The proposed individual units need to take Environmental Clearance separately as per the applicability of the schedule of EIA Notification, 2006.
1.7	Detailed Biodiversity assessment and conservation/mitigation plan be developed by GUIDE and the recommendations made for biodiversity conservation plan shall be implemented in true spirit in consultation with the state forest department. If any specific mitigation measures are recommended by the Forest Department the same shall be incorporated in the Plan. The biodiversity assessment and conservation/mitigation plan shall be submitted to the Concern IRO, MoEFCC within 6 months along with the first 6-monthly EC compliance report and compliance of implementation of this plan shall be submitted in subsequent 6 monthly compliance reports.
1.8	As proposed by the PP the green belt shall be developed over 336.73 ha (21.3 % of 1576 Ha) including 251.15Ha by the developer and 85.58 ha by the individual industries. The green belt in this 336.73 ha shall not include the open spaces or green lawn but shall have a multilayered plantation with minimum density of 2500 nos of trees per ha.The existing Prosopissp dominated vegetation in Reserve Forest shall be enriched by planting native species.
1.9	All the pipelines shall be on stilt and top down construction methods shall be used where machinery operates from top of the temporary bridge to perform piling and pillar raising so as to avoid lowering of heavy machinery to the mangrove and mud flat surfaces.
1.10	Project Proponent shall strive to enhance the Green Belt and that the trees planted in this regard would be planted under the campaign "एक_पेड़_मा_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> .
1.11	Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dump sites for such material must be secured so that

S. No	EC Conditions
	they should not leach into the groundwater.
1.12	The PP shall construct a garland drain, with catch pits of appropriate capacity at an appropriate distance, all around the industrial estate and also around the water bodies falling within the project boundary to prevent runoff of any contaminants/ waste into the nearby water bodies. The garland drains shall be designed such that the runoff within the boundary of the industrial area is collected in the garland drains, which shall be treated appropriately, and conform to CPCB standards.
1.13	Garland drains shall be lined (RCC/HDPE) to prevent seepage and groundwater contamination. Storm water drains shall be completely segregated from industrial effluent and sewage lines. No recharge pits or percolation structures shall be provided directly from garland drains.
1.14	No sewage or untreated effluent water would be discharged through stormwater drains, drainage systems or the river is permitted throughout the duration of the project. The project developer (PP) must implement measures to monitor and ensure compliance with these conditions to prevent any significant flooding in areas adjacent to the project site.
1.15	The quantity of fresh water usage, water recycling, and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six-monthly Monitoring reports.
1.16	Soil and groundwater samples will be tested to ascertain that there is no threat to groundwater quality by the leaching of heavy metals and other toxic contaminants. Frequent monitoring of groundwater and surface water will be done to ensure that the quality of water is being maintained within the norms the report of the same shall be submitted to the concerned IRO, MoEF&CC along with the six-monthly EC & CRZ compliance report.
1.17	Vehicles hired for bringing construction material to the site should be, in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards, and should be operated only during nonpeak hours.
1.18	Any hazardous waste generated during the development/ construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the Gujarat State Pollution Control Board.
1.19	The Project Proponent (PP) shall implement and maintain a Zero Liquid Discharge (ZLD) system for the project. No treated or untreated liquid effluent shall be discharged outside the project premises or into any stormwater drain, water body, creek, or CRZ area.
1.20	The ZLD system shall be operational prior to commissioning of the project and shall include adequate treatment, recycling, and reuse facilities. The PP shall maintain continuous records of effluent generation, treatment, reuse, and disposal of solids/brine, and shall submit along with six monthly EC compliance reports to the concerned IRO, MoEF&CC.
1.21	The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted along with the six-monthly EC compliance report to the concerned IRO of the Ministry before the project is commissioned for operation. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problems from STP.

S. No	EC Conditions
1.22	Sewage shall be treated in the STP with tertiary treatment i.e. Ultra Filtration. The treated effluent from STP shall be recycled/reused for flushing and landscaping.
1.23	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. The treated wastewater shall be reused for landscaping, flushing within the development.
1.24	The project proponent should also make alternate arrangements for situations 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.
1.25	The Project Proponent (PP) shall ensure that proper safety protocols for the storage, handling, and transportation of hazardous chemicals, including chlorine and hydrogen (H <sub>2</sub> ), are in place and implemented at all times. The PP shall prepare and submit Standard Operating Procedures (SOPs), on-site and off-site emergency response plans, and detailed safety measures in accordance with applicable statutory requirements.
1.26	The PP shall also maintain and submit records of training programmes/workshops conducted for workers involved in the storage, handling, and transportation of these chemicals. Regular mock drills and safety audits shall be carried out, and compliance with safety and environmental standards shall be ensured during both the construction and operational phases.
1.27	Ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM10, PM2.5, SO <sub>2</sub> , and NO <sub>x</sub> are anticipated in consultation with SPCB within and outside the industrial estate area at least at four locations (one within and three outside the port area at an angle of 120° each), covering upwind and downwind directions. An appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply with prescribed fugitive emission standards. Data on ambient air quality and emission shall be regularly submitted to the IRO, MoEF&CC along with the six-monthly EC & CRZ compliance report.
1.28	Installation of Ambient Air Quality data shall display unit for public display.
1.29	The total renewable energy capacity up to solar power shall be explored and accordingly the plan shall be submitted to the IRO of the Ministry along with its first six monthly compliance reports and the progress of implementation of this plan be submitted in the subsequent 6 monthly compliance reports. Apart from this Industrial Estate shall ensure that individual industries utilize at least 10% of their total power requirement through renewable energy like scalable and modular hybrid solar.
1.30	Roofs should meet the prescriptive requirements as per the Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirements.
1.31	Red category industrial units to be avoided near residential areas, habitations and water bodies. A distance of approximately 500 meters shall be maintained for the establishment of the red category industry from the residential area.
1.32	Considering the diverse industrial activities proposed within the 1576.81 ha area—including engineering, textiles and apparels, plastics processing, timber products, utilities, logistics, and

S. No	EC Conditions
	infrastructure—and the associated use of process chemicals, additives, fuels, solvents, treatment agents of dual use potential, along with existing industrial developments in the surrounding region and shared dependence on critical water infrastructure, the PP shall make suitable provisions for regular training and awareness programmes on chemical safety, security, and water stewardship. These programmes shall address risks arising from accidental, intentional or supply-chain-related vulnerabilities, transport and storage practices, and impacts on water security, and shall cover industry personnel, academia, and local communities. The programmes shall be undertaken in association with reputed NGO-Darpan registered NGOs or recognised academic institutes of eminence and incorporated into the EMP with adequate budgetary allocation to minimise environmental and security risks and strengthen preparedness.
1.33	All the recommendations of the EMP shall be complied with in letter and spirit. All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to RO, MoEF&CC along with a half yearly compliance report.
1.34	The green belt of 5-10m width shall be developed in 21.3% of the total project area, mainly along the plant periphery, in downward wind direction, and along roadsides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.
1.35	The water intake and outfall pipelines of the proposed desalination plant pass through CRZ-IA areas, which include sensitive mangrove habitats. To minimize disturbance to mangroves and other intertidal ecosystems, the intake and outfall pipelines shall be laid on stilts or elevated supports using the low impact engineering methods, ensuring natural tidal flow is maintained and physical damage to mangroves is avoided. The final design and construction methodology shall comply with CRZ Notification provisions and be undertaken in consultation with the State Forest Department.
1.36	As committed by The Project Proponent (PP), pp shall implement and maintain a Zero Liquid Discharge (ZLD) system for the project. No treated or untreated liquid effluent shall be discharged outside the project premises or into any storm water drain, water body, creek, or CRZ area except treated water utilization within CRZ area (reserved forest) for greenbelt development purpose.
1.37	As committed Project Proponent No marine discharge of treated or untreated effluent, wastewater or any other liquid waste shall be carried out as part of the proposed project. The Project Proponent shall ensure complete compliance with the Zero Liquid Discharge (ZLD) commitment, and all wastewater shall be treated, recycled, and reused within the project premises.
1.38	No industrial activities shall be undertaken within the CRZ area, except for the laying of intake and outfall pipelines associated with the desalination plant.

**Standard EC Conditions for (Industrial estates/ parks/ complexes/ areas, export processing Zones (EPZs), Special Economic Zones)**

**1. Statutory Compliance**

S. No	EC Conditions
1.1	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly

S. No	EC Conditions
	compliance report (incase of the presence of schedule-I species in the study area).
1.2	The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
1.3	All excavation related dewatering shall be as duly authorized by the CGWA. A NOC from the CGWA shall be obtained for all dewatering and ground water abstraction
1.4	A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
1.5	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Coast Guard, Civil Aviation Department shall be obtained, as applicable by project proponents from the respective competent authorities.

## 2. Air Quality Monitoring And Preservation

S. No	EC Conditions
2.1	The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the project area at least at four locations (one within and three outside the project area at an angle of 120°each), covering upwind and downwind directions.
2.2	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed emission standards.
2.3	Dust collectors shall be deployed in all areas where surface cleaning and painting operations are to be carried out, supplemented by stacks for effective dispersion.
2.4	Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
2.5	A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

## 3. Water Quality Monitoring And Preservation

S. No	EC Conditions
3.1	Total fresh water use shall not exceed the proposed requirement as provided in the project details. Prior permission from competent authority shall be obtained for use of fresh water.
3.2	Sewage Treatment Plant shall be provided to treat the wastewater generated from the project. Treated water shall be reused for horticulture, flushing, backwash, HVAC purposes and dust suppression.
3.3	A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point should be obtained.
3.4	No diversion of the natural course of the river shall be made without prior permission from the Ministry of Water resources.

#### 4. Noise Monitoring And Prevention

S. No	EC Conditions
4.1	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
4.2	Noise from vehicles, power machinery and equipment on-site should not exceed the prescribed limit. Equipment should be regularly serviced. Attention should also be given to muffler maintenance and enclosure of noisy equipments.
4.3	Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.
4.4	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

#### 5. Energy Conservation Measures

S. No	EC Conditions
5.1	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
5.2	Provide LED lights in their offices and project areas.

#### 6. Waste Management

S. No	EC Conditions
6.1	Necessary arrangements for the treatment of the effluents and solid wastes must be made and it must be ensured that they conform to the standards laid down by the competent authorities including the Central or State Pollution Control Board and under the Environment (Protection) Act, 1986.

S. No	EC Conditions
6.2	The solid wastes shall be managed and disposed as per the norms of the Solid Waste Management Rules, 2016.
6.3	Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.
6.4	A certificate from the competent authority handling municipal solid wastes should be obtained, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.
6.5	Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

### 7. Green Belt

S. No	EC Conditions
7.1	An overall green area of at-least 21.3% of the Industrial Area should be developed with native species. The green area shall be 40% in case of critically polluted area. The project proponent of the Industrial Area shall comply with the additional commitment made by them in the EIA report regarding the development of green belt.
7.2	The Industrial Areas are directed to accordingly allocate the area, to be developed as green cover, to respective individual industrial units so as to achieve the above mentioned condition.
7.3	The individual industrial unit, at the time of obtaining EC, shall bring a letter from the Industrial Area, specifying the area allocated to them to be developed as green cover, as a part of obligation from the Industrial Area.
7.4	Wherever possible, plantations around the periphery of the Industrial Area, in the downwind direction and along the road sides shall be provided for containment of pollution and for formation of a screen between the industrial area and the outer civil area. The choice of plants should include shrubs of height 1 to 1.5 m and tree of 3 to 5 m height. The intermixing of trees and shrubs should be such that the foliage area density in vertical is almost uniform.
7.5	The parameters like selection of plant species, procedure for plantation, density of tree plantation etc shall be as per the CPCB guidelines.

### 8. Public Hearing And Human Health Issues

S. No	EC Conditions
8.1	Workers shall be strictly enforced to wear personal protective equipments like dust mask, ear muffs or ear plugs, whenever and wherever necessary/ required. Special visco-elastic gloves will be used by labour exposed to hazards from vibration.
8.2	Safety training shall be given to all workers specific to their work area and every worker and employee will be engaged in fire hazard awareness training and mock drills which will be

S. No	EC Conditions
	conducted regularly. All standard safety and occupational hazard measures shall be implemented and monitored by the concerned officials to prevent the occurrence of untoward incidents/accidents.
8.3	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
8.4	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
8.5	Occupational health surveillance of the workers shall be done on a regular basis.

### 9. Environment Responsibility

S. No	EC Conditions
9.1	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
9.2	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
9.3	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
9.4	Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

### 10. Miscellaneous

S. No	EC Conditions
10.1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.

S. No	EC Conditions
10.2	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
10.3	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
10.4	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
10.5	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
10.6	The criteria pollutant levels namely; PM2.5, PM10, SO2, NOx (ambient levels) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
10.7	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
10.8	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
10.9	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
10.10	No further expansion or modifications in the Industrial Area shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
10.11	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
10.12	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
10.13	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
10.14	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
10.15	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

S. No	EC Conditions
	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.
10.16	Any appeal against this EC 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

**Additional EC Conditions**

N/A

**Annexure 2**

**Details of the Project**

S. No.	Particulars	Details	
a.	Details of the Project	DEVELOPMENT OF 1576.81 HA INDUSTRIAL PARK/SEZ AT MUNDRA, KUTCH DISTRICT, GUJARAT	
b.	Latitude and Longitude of the project site	22.8033074751104,69.6705910212493 22.8134206485288,69.679724745843	
c.	Land Requirement (in Ha) of the project or activity	<b>Nature of Land involved</b>	
		<b>Area in Ha</b>	
		Non-Forest Land (A)	8481.2784
		Forest Land (B)	0
	Total Land (A+B)	8481.2784	
d.	Date of Public Consultation	Public consultation for the project was held on	
e.	Rehabilitation and Resettlement (R&R) involvement	NO	
f.	Project Cost (in lacs)	1100000	
g.	EMP Cost (in lacs)	51037	
h.	Employment Details		

**Details of Products & By-products**

Name of the product /By-product	Product / By-product	Existing	Proposed	Total	Unit	Mode of Transport / Transmission
Development of Infrastructure for Industrial Park IP/SEZ	Product	8481.2784	1576.81	10058.088399999999	Hectares (Ha)	Combination of two or three modes

