



File No: 10/24/2025-IA.III
Government of India
Ministry of Environment, Forest and
Climate Change
IA Division



Date 22/07/2026



To,

Vinita Patel
SWAN LNG PRIVATE LIMITED
Swan LNG Pvt. Ltd., 9th Avenue, Ground Floor, Behind Rajpath Club, S G Highway, Ahmedabad,
Gujarat - 380 059
swanenergyec@gmail.com

Subject: Completion of balance work (completion of Jetty 02-hybrid Jetty and LPG handling) w.r.t the Environmental and CRZ clearance granted for 'Development of 10 MTPA Floating Storage and Regasification Unit (FSRU) based LNG Import Terminal over an area of 87 ha located at Land survey no. 71, 94/2, 94/8, 98, 91, 92, 93, 94/1, 94/3, 94/4, 94/5, 94/6, 94/7, 99, 68 Village Bhankodar, Taluka- Rajula, District-Amreli, Gujarat by M/s Swan LNG Pvt. Ltd'- Environmental and CRZ clearance regarding.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/GJ/INFRA1/581290/2026 dated 08/06/2026 for grant of prior Environmental Clearance (EC) and CRZ Clearance to the proposed project under the provision of the EIA Notification 2006 and CRZ notification, 2011 as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC26A3501GJ5199974N
(ii) File No.	10/24/2025-IA.III
(iii) Clearance Type	Fresh EC and CRZ
(iv) Category	A
(v) Project/Activity Included Schedule No.	7(e) Ports, harbors, breakwaters, dredging
(vi) Sector	INFRA-1
(vii) Name of Project	Development of LNG Import Terminal (completion of Jetty 02 - hybrid Jetty and LPG handling) by M/s Swan LNG Pvt. Ltd.
(viii) Name of Company/Organization	SWAN LNG PRIVATE LIMITED
(ix) Location of Project (District, State)	AMRELI, GUJARAT

3. The proposal is for completion of balance work (completion of Jetty-02 - hybrid Jetty and LPG handling) w.r.t the Environmental and CRZ clearance granted for 'Development of 10 MTPA Floating Storage and Regasification Unit (FSRU) based LNG Import Terminal over an area of 87 ha located at Land survey no. 71, 94/2, 94/8, 98, 91, 92, 93, 94/1, 94/3, 94/4, 94/5, 94/6, 94/7, 99, 68 Village Bhankodar, Taluka- Rajula, District-Amreli, Gujarat. by M/s Swan LNG Pvt. Ltd. The geocoordinates of project lies in 20°53'21.22"N, 71°28'5.11"E, 20°53'21.53"N, 71°28'40.13"E.

4. Details of CRZ and Environmental clearance: Earlier Environmental and CRZ Clearance for the development of the LNG Import Terminal at Bhankodar Village, Amreli District, Gujarat, were granted to M/s Swan Energy Ltd by the Ministry vide letter no. F. No. 11-36/2010-IA.III dated 11th December, 2013. Subsequently, the EC and CRZ Clearance was transferred to M/s Swan LNG Pvt. Ltd. vide Letter no.10-36/2010-IA-III dated 27th December 2019. Further, PP obtained the extension of validity of Environmental and CRZ clearance vide letter of even no dated 21/02/2025 for 1 year i.e. till 10th December, 2025 for the original proposals for which Environmental and CRZ Clearance was granted earlier.

5. The details are completed and proposed.

S. No	Components completed during validity period of earlier EC (EC letter dated 11 December, 2013).	Current status of the components	New activities/components proposed
1	Total Port Terminal area - 87 Ha	In possession	No change
2	Breakwater 2200 m	completed	-
3	Low Crest Groin 225 m	completed	-
4	Service jetty for Tug Boats on the Low Crest Groin	completed	-
5	Capital dredging 5.0 Mm ³	completed	-
6	Reclamation for Port Backup Area	completed	-
7	LNG Jetty 01	Completed	-
8	Natural gas pipeline to connect to gas grid, Custody Transfer area, access road	Completed	-
9	Utilities and amenities for LNG	completed	-
10	Jetty 02 LNG Jetty 02 was also approved in the EC of December, 2013 but could not be constructed during the EC's validity period. Hence fresh EC application has been made to enable construction of Jetty 02. No change in the Jetty design and dimension is proposed.	LNG and LPG pipelines over trestle from Jetty 02 to the LPG Terminal (6.3 ha inside the Port Backup) (to be constructed)	completion of Jetty 02 - hybrid Jetty and LPG handling
11	Total capacity of the Terminal -10 MTPA	No change	No change

6. The proposed project falls under Schedule 7(e) Ports, harbors, breakwaters, dredging Category 'A' as per the EIA Notification 2006. The cost of the project is Rs. 4,069.29 Cr.

7. Details of ToR granted: The ToR proposal was considered in the 420th meeting of the Expert Appraisal Committee (Infra-1) held during 15th October 2025, the committee after detailed deliberation recommended for grant of ToR, accordingly Ministry granted the ToR vide letter no.10/24/2025-IA.III dated 12/11/2025 under the Ministry's notification S.O.No.247(E) dated 18th March, 2021.

8. Land Use /Land Cover : Land use cover as per Lulc classification is given as below:

S. No.	Landuse/Landcover	Area (ha)	Percentage(%)	Remarks, if any
1.	Main Gate house and security building	0.03	0.03	-
2.	Power receiving sub station	0.01	0.01	-
3.	Admin/Custom blocks	0.24	0.28	-
4.	Main control room	0.06	0.07	-
5.	Watch tower	0.04	0.05	-
6.	Guest house & Cafeteria	0.48	0.55	-
7.	On shore utilities, Maintenance shed/stores/sub station	2.74	3.15	-
8.	Truck filling station	1.50	1.72	-
9.	GSPL station	1.50	1.72	-
10.	Pilot rest room	0.50	0.57	-
11.	Truck parking area and amenities buildings	2.54	2.92	-
12.	Security cabin	0.03	0.03	-
13.	Fire and ambulance station	0.02	0.02	-
14.	Internal road	5.05	5.80	-
15.	Patrol road	3.05	3.51	-
16.	Pipe line (gas and cryogenic)	2.06	2.37	-
17.	Utilities corridor	1.20	1.38	-
18.	Greenbelt	17.4	20.0	-
19.	Open Area	48.56	55.8	-
Total		87.00	100	-

9. Terrain and topography: Coastal topography at site is undulating with hard limestone bearing rocky strata forming the shoreline. The levels slope gradually towards the coast. The site is devoid of significant natural vegetation and has no streams passing through. The coast is dominated by hard rock, has relatively short intertidal area, and no coastal vegetation. North side of the Project site has pits.

10. Details of water bodies, impact on drainage: There are no primary or secondary level streams, in the Project site. The land has gradual slope towards the shore.

11. Water Requirement: The total water requirement for the project is estimated at 515 KLD, out of which 65 KLD will be required during the construction phase and 450 KLD during the operational phase. Water for the construction and operational phases will be sourced through tankers, from local water suppliers.

12. Details of tree cutting and green belt development: There is no tree cutting is envisaged for the proposed facility and as part of the green belt development around 17.4 ha is proposed.

13. Diversion of forest land: There is no forest land involved for the proposed project. The proposed project neither passes through nor falls within 10 km of radius of any Eco sensitive/protected areas notified under

Wildlife Protection Act 1972, National Parks, Sanctuaries and Tiger Reserves etc. Wildlife Conservation Plan has been prepared as per the directions of Gujarat CZMA and submitted to the Deputy Conservator of Forest, Shetrunji Wildlife division for approval vide letter no SLPL/FSRU/2026-2027/6271, dated 21st April, 2026 as part of condition mentioned by the Team of Officials of the Gujarat CZMA.

14. Details of CRZ: CRZ maps prepared by the National Centre for Sustainable Coastal Management (NCSCM), Anna University. The facilities fall under CRZ IB, CRZ III and CRZ IVA as per approved CZMP, 2011. The details of the project facilities falls under CRZ area is as follows:

S. No	Activities/ components proposed in CRZ Area	Area/length/(m ² /m) in CRZ					Permissible clause as per CRZ Notification, 2011
		CRZ-IA	CRZ-IB	CRZ-II	CRZ-III	CRZ-IV	
1	Jetty 02	--	--	--	--	5397.22 m ²	3(i)(a),8(i)I(ii)(b)(c)(f) 8(i)III(A)(i)
2a	Proposed HPNG Pipeline (Jetty 02 to existing HPNG Pipeline)	--	537.57 m	--		309.43 m	
2b	Insulated Propane-Butane Line	--	359.96 m	--	72.75 m	2115.14 m	
3	LPG Terminal	--	--	--	63544.89 m ²	--	

The Gujarat Coastal Zone Management Authority (GCZMA) recommended the project, vide letter no.FED/CRZ/e-file/6/2026/1156/Tech Cell dated 29.05.20262.

15. IRO, MoEF&CC, Gandhi Nagar inspected the site and issued the certified EC compliance report vide letter dated 03rd April, 2026.

16. Waste Management: The total solid waste to be generated about 5t/day solid waste will of be generated from domestic sources. Adequate facilities for collection and conveyance of municipal wastes generated at the disposal site shall be developed. Waste management will adhere to the Solid Waste Management Rules, 2016 (as amended), with provisions for proper collection, segregation at source, conveyance, and disposal. Workers handling solid and hazardous waste will be equipped with appropriate personal protective equipment (PPE) to ensure safety. Waste will be collected in drums and HDPE bags and transferred to an on-site storage area specifically designated for solid and hazardous waste. Reusable materials such as packaging, wooden waste, and cement bags will be returned to suppliers, while recyclable plastic and paper waste will be sold to registered recyclers. Organic waste will be shredded and processed on-site through manuring. The resulting manure will be used for greenbelt development. Non-biodegradable waste will be stored and sent quarterly to the waste management facility of Rajula Taluka.

17. Rain water harvesting: A Rainwater harvesting and stored water utilisation plan will be prepared before the commissioning of the Port Terminal. The Port backup area covers approximately 87 hectares, of which about 48.56 ha is open, comprising paved (internal roads about 5%), the remaining being greenbelt and

unpaved surface suitable for rainwater percolation. Rainwater shall be harvested from the paved area and building rooftops and will be recharged to the ground by means of percolation wells. The rainwater harvesting wells will be an integral part of the storm water drainage system. The large open area shall provide significant potential for capturing rainwater runoff over natural soil.

18. Land Acquisition & R&R: Land is in possession of M/s Swan LNG Pvt. Ltd, No R&R is involved in the Project.

19. Employment opportunity: During the operational phase, the proposed project will provide direct employment to approximately 115 persons. In addition to direct employment, the project is expected to generate proportionate indirect employment opportunities, during operational phases.

20. Benefits of Project: The proposed Project will generate secondary and tertiary employment opportunities during construction, transportation activities, supply of raw materials, etc. Due to the Project, there would be an overall development of the area and creation of job opportunities, which shall aid the local economy, increase purchase power of the local inhabitants, and shall improve the quality of life in the region. The Project will contribute directly to the exchequer of the Govt. by means of applicable taxes, and indirectly by means of concession on handling charges to the Gujarat Maritime Board, as well as GST to the Union and State Govt.

21. Details of court case: There is no court case involved in the project.

22. The EAC, taking into account the submission made by the project proponent has a detailed deliberation in its 451st meeting during 17th June, 2026 **recommended** the project for grant of environmental and CRZ clearance with stipulated specific conditions along with other Standard EC Conditions.

23. 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 'completion of balance work (completion of Jetty 02 - hybrid Jetty and LPG handling) for the Environmental and CRZ clearance granted for 'Development of 10 MTPA Floating Storage and Regasification Unit (FSRU) based LNG Import Terminal over an area of 87 ha located at Land survey no. 71, 94/2, 94/8, 98, 91, 92, 93, 94/1, 94/3, 94/4, 94/5, 94/6, 94/7, 99, 68 Village Bhankodar, Taluka- Rajula, District-Amreli, Gujarat by M/s Swan LNG Pvt. Ltd'. 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.

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

Copy To

1. The Monitoring Cell MoEFCC, Compliance & Monitoring Division, Indira Paryavaran Bhawan Jor Bagh Road New Delhi, South, Delhi, moefcc-monitoring@gov.in
2. The Member Secretary, CPCB, Parivesh Bhawan Cbd-Cum-Office Complex East Arjun Nagar, East, Delhi, mscb.cpcb@nic.in
3. The Deputy Director General, Regional Office, Deputy Inspector General Of Forests (Central) Ministry Of Environment Forest And Climate Change Regional Office Gandhinagar Karmayogi Bhawan Block-3 F-2 Wing 5th Floor Near Ch-3 Circle Sector-10a Gandhinagar., N/A, N/A, iro.gandhingr-mefcc@gov.in
4. The Secretary, Forests and Environment Department, Block 14 8th Floor Sachivalaya Gandhinagar-382 010 Gujarat., Devbhumi Dwarka, Gujarat, secfed@gujarat.gov.in
5. The The Principal Chief Conservator of Forests and Head of Forest Force, Forests government of Gujarat, Aranya

6. The Member Secretary, SPCB/PCC, Paryavaran Bhavan Sector-10a, Gandhinagar, Gujarat, ms-gpcb@gujarat.gov.in

Annexure 1

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

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. No construction works other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.
1.2	All the recommendations and conditions specified by the Gujarat State Coastal Zone Management Authority (GCZMA) vide letter No FED/CRZ/e-file/6/2026/1156/Tech Cell dated 29.05.2026 shall be complied with, the status of the compliance shall be submitted along with the six monthly ec compliance report to the concern IRO, MoEF&CC.
1.3	The instant proposal shall be considered only for completion of the balance works for which the earlier Environmental and CRZ Clearance vide letter no.11-36/2010-IA.III dated 11 th December 2013 was granted, and not for the additional component proposed by the PP. The PP can only establish the facility which is mentioned in the earlier EC. The scope of the EC cannot be changed. In case of any change in the scope, the PP needs to apply afresh after the grant of EC for the balance work.
1.4	Continuous monitoring of pressure, temperature, and liquid levels in LPG storage tanks through automated systems with alarms and trip interlocks.
1.5	Fixed and portable gas detectors shall be installed at strategic locations including jetty, unloading arms, manifolds, and storage areas. Continuous monitoring of hydrocarbon concentration with alarm thresholds linked to emergency shutdown systems.
1.6	Installation of flame detectors, heat sensors, and infrared monitoring systems in high-risk areas. Continuous monitoring of tank surface temperature, especially in vapor space regions, to detect abnormal heat exposure.
1.7	Ambient air quality monitoring for hydrocarbons (VOC, methane, propane, butane) at site boundary and jetty area.
1.8	Pre OISD audit and certificate to be obtained from OISD before commencement of facilities needs to be included.
1.9	BLEVE study to be conducted for the entire jetty to assess the extreme case of the damage due to the explosion and accordingly the location of coal handling jetty, LNG and LPG jetties shall be amended, if required at the time of final layout of the jetty. BLEVE Study shall be completed within 6 months of this clearance and it shall be submitted to the IRO of the ministry as part of first six monthly compliance monitoring report along with the change in layout of the port, if any
1.10	Regular mock drills (at least once in six months) for scenarios including LPG leak, fire, and

S. No	EC Conditions
	BLEVE.
1.11	The EAC observed that the proposal involves handling of LPG and other hazardous cargoes. The Project Proponent (PP) shall ensure that all LPG storage, handling, and transfer facilities are designed, constructed, and operated in accordance with applicable OISD and NFPA standards.
1.12	The PP shall also ensure provision of adequate safety distances, advanced fire and gas detection systems, emergency shutdown systems (ESD), remote-operated isolation valves, and fixed fire protection systems including firewater spray/deluge arrangements.
1.13	A post-dredging monitoring programme shall be undertaken to assess impacts on water quality, sediment characteristics, and marine ecology, and restorative measures shall be implemented, if required.
1.14	The Project proponent shall ensure that no creeks or rivers are blocked due to any activities at the project site and free flow of water is maintained. No underwater blasting is permitted. Necessary approvals be taken during implementation and commissioning from statutory bodies concerned.
1.15	Necessary arrangements for the treatment of the effluents and solid wastes/ facilitation of reception facilities under MARPOL 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.
1.16	The provisions of Solid Waste Management Rules, 2016. E- Waste Management Rules, 2016, and Plastic Waste Management Rules, 2016 shall be complied with. All the commitments made to the public during earlier public hearing/public consultation meeting shall be satisfactorily implemented and adequate budget provision shall be made accordingly.
1.17	The project proponent shall initiate the activities proposed by them, based on the commitment made in the earlier public hearing, and incorporate in the Environmental Management Plan and submit to the Ministry.
1.18	All other activities including pollution control, environmental protection and conservation, R&R, wildlife and forest conservation/protection measures including the NPV, Compensatory Afforestation etc, either proposed by the project proponent based on the social impact assessment and R&R action plan carried out during the preparation of EIA report or prescribed by EAC, shall also be implemented and become part of EMP.
1.19	These conditions are imposed considering the hazardous nature of the facilities already covered under the earlier EC

Standard EC Conditions for (Ports, harbors, breakwaters, dredging)

1. Statutory Compliance

S. No	EC Conditions
1.1	Construction activity shall be carried out strictly according to the provisions of CRZ Notification, 2011 and the State Coastal Zone Management Plan as drawn up by the State Government. No

S. No	EC Conditions
	construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.
1.2	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.
1.3	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, 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	Shrouding shall be carried out in the work site enclosing the dock/proposed facility area. This will act as dust curtain as well achieving zero dust discharge from the site. These curtain or shroud will be immensely effective in restricting disturbance from wind in affecting the dry dock operations, preventing waste dispersion, improving working conditions through provision of shade for the workers.
2.4	Dust collectors shall be deployed in all areas where blasting (surface cleaning) and painting operations are to be carried out, supplemented by stacks for effective dispersion.
2.5	The Vessels shall comply the emission norms prescribed from time to time.
2.6	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.
2.7	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	The Project proponent shall ensure that no creeks or rivers are blocked due to any activities at the project site and free flow of water is maintained.
3.2	Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality. Silt curtains shall be used to contain the spreading of suspended sediment during dredging within the dredging area.
3.3	No ships docking at the proposed project site will discharge its on-board waste water untreated in to the estuary/ channel. All such wastewater load will be diverted to the proposed Effluent Treatment Plant of the project site.
3.4	Measures should be taken to contain, control and recover the accidental spills of fuel and cargo handle.
3.5	The project proponents will draw up and implement a plan for the management of temperature differences between intake waters and discharge waters.
3.6	Spillage of fuel / engine oil and lubricants from the construction site are a source of organic pollution which impacts marine life. This shall be prevented by suitable precautions and also by providing necessary mechanisms to trap the spillage.
3.7	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.
3.8	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.
3.9	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.
3.10	No diversion of the natural course of the river shall be made without prior permission from the Ministry of Water resources.
3.11	All the erosion control measures shall be taken at water front facilities. Earth protection work shall be carried out to avoid erosion of soil from the shoreline/boundary line from the land area into the marine water body.

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.

S. No	EC Conditions
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 offices and project areas.

6. Waste Management

S. No	EC Conditions
6.1	Dredged material shall be disposed safely in the designated areas.
6.2	Shoreline should not be disturbed due to dumping. Periodical study on shore line changes shall be conducted and mitigation carried out, if necessary. The details shall be submitted along with the six monthly monitoring reports.
6.3	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.
6.4	The solid wastes shall be managed and disposed as per the norms of the Solid Waste Management Rules, 2016.
6.5	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.
6.6	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.
6.7	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.
6.8	Oil spill contingency plan shall be prepared and part of DMP to tackle emergencies. The equipment and recovery of oil from a spill would be assessed. Guidelines given in MARPOL and Shipping Acts for oil spill management would be followed. Mechanism for integration of terminals oil contingency plan with the overall area contingency plan under the co-ordination of Coast should be covered.

7. Green Belt

S. No	EC Conditions
7.1	Green belt shall be developed in area as provided in project details with a native tree species in accordance with CPCB guidelines.
7.2	Top soil shall be separately stored and used in the development of green belt.

8. Marine Ecology

S. No	EC Conditions
8.1	Dredging shall not be carried out during the fish breeding and spawning seasons.
8.2	Dredging, etc shall be carried out in the confined manner to reduce the impacts on marine environment.
8.3	The dredging schedule shall be so planned that the turbidity developed is dispersed soon enough to prevent any stress on the fish population.
8.4	While carrying out dredging, an independent monitoring shall be carried out through a Government Agency/Institute to assess the impact and necessary measures shall be taken on priority basis if any adverse impact is observed.
8.5	A detailed marine biodiversity management plan shall be prepared through the NIO or any other institute of repute on marine, brackish water and fresh water ecology and biodiversity and submitted to and implemented to the satisfaction of the State Biodiversity Board and the CRZ authority. The report shall be based on a study of the impact of the project activities on the intertidal biotopes, corals and coral communities, molluscs, sea grasses, sea weeds, sub-tidal habitats, fishes, other marine and aquatic micro, macro and mega flora and fauna including benthos, plankton, turtles, birds etc. as also the productivity. The data collection and impact assessment shall be as per standards survey methods and include underwater photography.
8.6	Marine ecology shall be monitored regularly also in terms of sea weeds, sea grasses, mudflats, sand dunes, fisheries, echinoderms, shrimps, turtles, corals, coastal vegetation, mangroves and other marine biodiversity components including all micro, macro and mega floral and faunal components of marine biodiversity.
8.7	The project proponent shall ensure that water traffic does not impact the aquatic wildlife sanctuaries that fall along the stretch of the river.

9. Public Hearing And Human Health Issues

S. No	EC Conditions
9.1	The work space shall be maintained as per international standards for occupational health and safety with provision of fresh air respirators, blowers, and fans to prevent any accumulation and inhalation of undesirable levels of pollutants including VOCs.

S. No	EC Conditions
9.2	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.
9.3	In case of repair of any old vessels, excessive care shall be taken while handling Asbestos & Freon gas. Besides, fully enclosed covering should be provided for the temporary storage of asbestos materials at site before disposal to CTSDf.
9.4	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 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.
9.5	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
9.6	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.
9.7	Occupational health surveillance of the workers shall be done on a regular basis.

10. Environment Responsibility

S. No	EC Conditions
10.1	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.
10.2	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.
10.3	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.
10.4	Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

11. Miscellaneous

S. No	EC Conditions
11.1	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.
11.2	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.
11.3	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.
11.4	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.
11.5	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.
11.6	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.
11.7	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
11.8	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during earlier Public Hearing and also that during their presentation to the Expert Appraisal Committee.
11.9	No further expansion or modifications in the project shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
11.10	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.
11.11	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
11.12	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
11.13	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

S. No	EC Conditions
	furnishing the requisite data / information/monitoring reports.
11.14	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.
11.15	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.

12. Specific Conditions

S. No	EC Conditions
12.1	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.

Additional EC Conditions

N/A

Annexure 2

Details of the Project

S. No.	Particulars	Details
a.	Details of the Project	Development of LNG Import Terminal (completion of Jetty 02 - hybrid Jetty and LPG handling) by M/s Swan LNG Pvt. Ltd.
b.	Latitude and Longitude of the project site	20.8776700006566,71.4625914755129 20.883079791574,71.4811900588962
c.	Land Requirement (in Ha) of the project or activity	Nature of Land involved
		Area in Ha
		Non-Forest Land (A)
		87
		Forest Land (B)
		0
		Total Land (A+B)
		87.0
d.	Date of Public Consultation	Public consultation for the project was held on

S. No.	Particulars	Details
e.	Rehabilitation and Resettlement (R&R) involvement	NO
f.	Project Cost (in lacs)	406929
g.	EMP Cost (in lacs)	444.2
h.	Employment Details	

Details of Products & By-products

Name of the product /By-product	Product / By-product	Quantity	Unit	Mode of Transport / Transmission	Remarks (eg. CAS number)
LPG	Product	3000000	Tons per Annum (TPA)	Pipeline, Railway, Road	-
Natural Gas	Product	7000000	Tons per Annum (TPA)	Pipeline	-