

ADANI KRISHNAPATNAM PORT LIMITED

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Ports and  
Logistics

**COMPLIANCE REPORT ON CONDITIONS STIPULATED IN THE ENVIRONMENTAL CLEARANCE  
PHASE - I, II & III  
PERIOD: April 2021 to September 2021**

**Compliance Report on Conditions Stipulated in the  
Phase-I  
Environmental Clearance  
Period: April 2021 to September 2021**

**Compliance Report on Conditions of Environmental Clearance (EC) for Krishnapatnam Port  
Phase – I;  
MoEF Order dated 26.07.2006 - Period of Report "April, 2021 to September, 2021"**

| S.No.                           | Stipulation   | Compliance Status   |
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| <b>(A) Specific Conditions:</b> |   |   |
| 1                               | All the conditions stipulated by Andhra Pradesh State Pollution Control Board in their letter Order No. APPCB/VJA/NLR/633/HO/2004/9/46 7, dated 25.05.2004 should be strictly implemented.  | <b>Noted and being complied with the conditions.</b><br>The conditions stipulated therein are being complied and periodical compliance reports are regularly being submitted to Andhra Pradesh Pollution Control Board.   |
| 2                               | Detailed plan for protection of the 9 acres of the mangroves should be provided.  | <b>Complied</b><br>The said 9 acres of Mangrove area situated in the salt lands.<br>a) Display boards have been erected to protect this mangrove area.<br>b) Tidal exchange to the 9 acres mangrove area is ensured by constructing a pipe culvert.   |
| 3                               | The fisherman and salt pan workers should be rehabilitated as per the Rules of Government of Andhra Pradesh.  | <b>Complied.</b><br>a) Required Rehabilitation and Resettlement (R&R) Measures were catered to and implemented by the Government of Andhra Pradesh (GoAP) in as much as entire land for port development is being made available on lease basis by GoAP as per terms of the Concession Agreement.<br>b) Rehabilitation measures for the four fishermen villages have been implemented by the GoAP as part of land acquisition by the GoAP for the port development.   |
| 4                               | Adequate shore protection measures, including construction of revetments/rip-raps, should be taken up based on the scientific studies. The action plan for implementing the shore protection measures should be submitted to this Ministry within 6 months from the date of receipt of this letter. | <b>Complied.</b><br>Hydro dynamic studies were conducted by M/s. HR Wallingford, UK, shoreline monitoring & Marine biodiversity studies are being carried out regularly for shore protection.<br>a) However, as recommended in their report dated October 2007, 7 Km of coastline both North and South of the port entrance has been monitored through M/s. Indian National Centre for Ocean Information Services (INCOIS), Hyderabad using satellite imagery.<br>b) From the INCOIS Report for the period October 2008 to January 2010, the coastline is found to be stable.<br>c) Shoreline monitoring further carried out in-house also revealed that the coast line is unaffected except for seasonal variations. |

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| 5  | Green belt area should be developed along the project and budget earmarked.   | <b>Complied.</b><br>At present Greenbelt of 191.5 Ha (Phase-I&II) has been developed along port boundary, around coal yards, avenue & median plantations. Further Greenbelt development is also in progress in the land being made available by GoAP from time to time.   |
| 6  | For rail and road connectivity of the project, separate application should be submitted to this Ministry.   | <b>Noted</b><br>a) 4 lane Road connectivity of 23 kms (widening work of 6 lanes under progress) from the NH-16 to the Krishnapatnam Port is developed by GoAP.<br>b) 20 km long electrified double line rail connectivity from the National Rail Grid to Krishnapatnam Port is formed by Rail Vikas Nigam Limited (RVNL) joint venture with GoAP, National Mineral Development Corporation (NMDC) and Krishnapatnam Port. |
| 7  | The Bay is reported to be calm for most of the days of the year. Even on the day of the visit, having a deep depression in South-West Bay of Bengal, the basin was calm, though the Bay experienced high waves. Hence, dredging operation in the estuary should not have any adverse impact on the existing mangroves blocks. | <b>Noted.</b><br>Dredging is completed in phases and ensured that no adverse impact observed on the existing mangroves.   |
| 8  | During the rough weather, resulting in high flood tides, dredging operation in the estuary should be stopped.   | <b>Noted and being complied with the condition.</b>   |
| 9  | Regarding the location of stock yard in the salt pan area to be acquired, the proponent should not take up any developmental works in the mangrove area and should ensure that no destruction of mangroves takes place.   | <b>Noted.</b><br>a) Salt pan lands are yet to be transferred on lease by GoAP.<br>b) Developmental works are being regulated so that no destruction of mangroves takes place.   |
| 10 | A disaster management plan covering emergency evacuation mechanisms etc., to deal with natural disaster events should be prepared and furnished to the Ministry.  | <b>Complied.</b><br>Disaster Management Plan covers emergency evacuation mechanisms to deal with natural disaster events and it is regularly being updated time to time. The last update was on 11.06.2018 and submitted to RO, MoEF&CC along with six monthly compliance report.   |
| 11 | The company must take up and earmark adequate funds for the socio-economic development and for welfare measures in the area including drinking water supply, vocational training, and fishery   | <b>Complied.</b><br>As part of Corporate Social Responsibility (CSR), socio economic development schemes and welfare measures in the form of Roads, Drains, Drinking water supply by providing tankers and overhead tanks, sanitation and public health, roads and street lighting in the R&R Colonies,   |

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|    | related development programmes (like cold storages).   | supply of cooking gas connections along with stoves, housing, medical aid, educational assistance, student hostel, old age homes, financial aid, imparting vocational trainings for skill development to improve employment opportunities, women empowerment etc., are being taken up for the 98 neighborhood villages covering 6 Mandal with adequate funds earmarked for the same.   |
| 12 | The fishing activities by the fishermen living in the settlement along the creek should not be hindered and a mechanism may be evolved for the movement of fishing boats vis-a-vis shipping activities.  | <b>Complied.</b><br>The fishermen have been rehabilitated by the GoAP. Mechanism for movement of fishing boats vis-à-vis shipping is evolved keeping in mind the safety, security, ISPS and customs requirements.  |
| 13 | The Relocation of the fishermen and local communities in the area should be done strictly in accordance with the norms prescribed by the State Government. The relocated communities should be provided with all facilities including health care, education, sanitation and livelihood. | <b>Complied.</b><br>GoAP Rehabilitated the Fishermen and Local Communities.<br>Krishnapatnam Port provided infrastructure facilities under CSR activities at the Rehabilitation Colony in the form of Roads, Drains, drinking water supply, supply of cooking gas, housing, educational assistance, student hostels, old age homes, financial aid, imparting vocational trainings, women empowerment and public health, Malaria Control measures, Medical and Health camps in R&R colony covering 4 locations Andal Nagar, Mathura nagar, Ramalingapuram & Simhadri Nagar. |
| 14 | The company should take up green belt program in the project area including an ecological park and the plan may be submitted to the Ministry within one year.  | <b>Complied.</b><br>Green belt of 191.5 Ha has been developed progressively along port boundary, around coal yards, avenue & median plantations. Ecological park developed.<br>g) Further Greenbelt development is also in progress in the areas being leased by GoAP from time to time.   |
| 15 | The company may suitably modify the alignment of channel entrance including its width, turning circle, taking into consideration the wave traversal, its intensity etc., to facilitate smoother navigation of ships.   | <b>Complied.</b><br>The channel alignment is firmed up after undertaking numerical navigation simulation studies dated March, 2009 by M/s. HR Wallingford, UK.   |
| 16 | The breakwater alignment and its design should be further modified based on relevant model studies, borehole data etc., keeping in view the tranquility condition required for berthing and maneuvering of ships and subsequent cargo handling operations.                               | <b>Complied.</b><br>The alignment and design of breakwaters are firmed up based on geotechnical investigations, geotechnical stability analysis, Numerical model studies under taken by M/s. HR Wallingford, UK, 3D model studies of tranquility conducted at Lanka Hydraulic Laboratories, Sri Lanka and Physical model studies of breakwaters at IIT Chennai.  |

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| 17 | The height of dumping in the dumping site should be restricted to 30 cm against 90 cm proposed.   | <b>Being Complied.</b><br>Bathymetry of dumping site is being monitored periodically to avoid build up. Last Bathymetry of dumping location carried out on 28.03.2021 and negligible deposition observed.  |
| 18 | The project proponent will not undertake any destruction of mangroves during construction and operation of the project.   | <b>Complied.</b><br>Existing mangrove areas are being protected and conserved with suitable barricading, erection of display boards and ensuring the tidal flow.   |
| 19 | Sewage arising in the port area should be disposed off through septic tank – soak pit system or should be treated along with the industrial effluents to conform to the standards stipulated by Andhra Pradesh Pollution Control Board and should be utilized/ re-cycled for gardening, plantation and irrigation.                            | <b>Complied.</b><br>300 Kilo Liters per day (KLD) capacity of Sewage Treatment Plant (STP) at Amenities Blocks was commissioned in July, 2011. Treated water is being utilized for the green belt development within port premises. Septic tank and soak pit systems are being followed at offices and isolated buildings. |
| 20 | Adequate plantation should be carried out along the roads of the Port premises and a green belt should be developed.  | <b>Complied.</b><br>Greenbelt Plantation is also undertaken along road sides as avenue and median plantation.  |
| 21 | Project proponent should prepare and regularly update the Disaster Management Plan from time to time.   | <b>Complied.</b><br>Disaster Management Plan is regularly being updated time to time. The last update was on dt:11.06.2018.  |
| 22 | Fire Fighting arrangements are examined to the new proposal.  | <b>Complied.</b><br>a) Port has developed dedicated fire-fighting system with required equipment and trained professionals.<br>b) Developed Fire contingency plan and implementing the same.<br>c) Port Tugs are also having firefighting equipment  |
| 23 | There should be no withdrawal of ground water in CRZ area, for this project. The proponent should ensure that as a result of the proposed constructions, ingress of saline water into ground water does not take place. Piezometers should be installed for regular monitoring for this purpose at appropriate locations on the project site. | <b>Noted and being-Complied</b><br>There is no withdrawal of ground water. The water requirement is being met through water from Nakkala kalava & Muthukur reservoir. Piezometer (Automatic water level monitoring system including temperature monitoring) installed at port and regular monitoring being carried out.    |
| 24 | The project should not be commissioned till the requisite water supply and electricity to the project are provided by the PWD/Electricity Department.   | <b>Noted.</b><br>Required necessary permissions like water supply and electricity supply are obtained from concern departments.<br>a) Electrical power has been provided by Andhra Pradesh Transport Corporation (APTRANSCO).  |

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|                               |   | <p>b) GoAP ordered to release 1 MLD (Million Liters per day) water to KPCL from Muthukur Reservoir.</p> <p>c) As permitted by GoAP, water from 'Nakkalakalava' 4 MLD is being utilized for dust suppression &amp; fire-fighting needs.</p> |
| 25                            | Specific arrangements for rainwater harvesting should be made in the project design and the rain water so harvested should be optimally utilized. Details in this regard should be furnished to this Ministry's Regional Office at Bangalore within 3 months.   | <p><b>Complied.</b></p> <p>11 no. of Rainwater harvesting ponds located at various locations in Port premises.</p>   |
| 26                            | The facilities to be constructed in the CRZ area as part of this project should be strictly in conformity with the provisions of the CRZ Notification, 1991 as amended subsequently.  | <b>Complied with the condition.</b>  |
| 27                            | Green buffer zone should be provided all around the project area in consultation with local forest department and the report submitted to this Ministry's Regional Office at Bangalore.   | <p><b>Complied.</b></p> <p>Green belt of 191.5 Ha has been developed along port boundary, around coal yards, avenue &amp; median plantations in consultation with local forest department.</p>   |
| 28                            | No product other than those permissible in the Coastal Regulation Zone Notification, 1991 should be stored in the Coastal Regulation Zone area.   | <b>Noted.</b>  |
| <b>(B) General Conditions</b> |   |  |
| 1                             | Construction of the proposed structures should be undertaken meticulously conforming to the existing Central/local rules and regulations including Coastal Regulation Zone Notification 1991 & its amendments. All the construction designs / drawings relating to the proposed construction activities must have approvals of the concerned State Government Departments / Agencies. | <p><b>Complied.</b></p> <p>The construction designs / drawings are in conformity to the detailed project reports approved by GoAP and consistent with the CRZ Notification.</p>  |
| 2                             | Adequate provisions for infrastructure facilities such as water supply, fuel, sanitation etc., should be ensured for construction workers during the construction phase of the project so as to avoid felling of trees/mangroves and pollution of water and the surroundings.   | <p><b>Complied.</b></p> <p>Adequate provisions including water supply, fuel and sanitation were ensured for workers at the time of construction.</p>   |

| 3      | <p>The project authorities must take necessary arrangements for disposal of solid wastes and for the treatment of effluents by providing a proper waste water treatment plant outside the CRZ area. The quality of treated effluents, solid wastes and noise level etc., must conform to the standards laid down by the competent authorities including the Central / State Pollution Control Board and the Union Ministry of Environment and Forests under the Environment (Protection) Act, 1986, whichever are more stringent.</p> | <p><b>Complied.</b></p> <p>a) Solid wastes are being collected, segregated and disposed as under:</p> <table border="1" data-bbox="815 331 1485 790"> <thead> <tr> <th>S. No.</th> <th>Material</th> <th>Method of Disposal</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Biodegradable waste</td> <td>Composting &amp; used as manure/ Send to Pig Farms</td> </tr> <tr> <td>2</td> <td>Non-Biodegradable waste</td> <td>Disposal to approved recyclers</td> </tr> <tr> <td>3</td> <td>Used Oils/Used Batteries</td> <td>Batteries are procured on buy back basis and Used oil is being disposed to approved vendors of APPCB</td> </tr> </tbody> </table> <p>b) 300 KLD STP is commissioned and located outside the CRZ area.</p> <p>c) Treated effluent sample conformed to APPCB norms and is recycled for Green Belt development.</p> <p>d) Ambient Noise levels are regularly being monitored and they comply with standards.</p> | S. No. | Material | Method of Disposal | 1 | Biodegradable waste | Composting & used as manure/ Send to Pig Farms | 2 | Non-Biodegradable waste | Disposal to approved recyclers | 3 | Used Oils/Used Batteries | Batteries are procured on buy back basis and Used oil is being disposed to approved vendors of APPCB |
|--------|---|---|--------|----------|--------------------|---|---------------------|--|---|-------------------------|--------------------------------|---|--------------------------|--|
| S. No. | Material  | Method of Disposal  |        |          |                    |   |                     |  |   |                         |                                |   |                          |  |
| 1      | Biodegradable waste   | Composting & used as manure/ Send to Pig Farms  |        |          |                    |   |                     |  |   |                         |                                |   |                          |  |
| 2      | Non-Biodegradable waste   | Disposal to approved recyclers  |        |          |                    |   |                     |  |   |                         |                                |   |                          |  |
| 3      | Used Oils/Used Batteries  | Batteries are procured on buy back basis and Used oil is being disposed to approved vendors of APPCB  |        |          |                    |   |                     |  |   |                         |                                |   |                          |  |
| 4      | <p>The proponents should provide for a regular monitoring mechanism so as to ensure that the treated effluents conform to the prescribed standards. The records of analysis reports must be properly maintained and made available for inspection to the concerned State / Central officials during their visits.</p>   | <p><b>Complied.</b></p> <p>a) Environmental Monitoring is being carried out through an agency accredited by NABL and approved by MoEF&amp;CC. Results of monitoring conform to norms and periodical Monitoring Reports are being submitted to APPCB regularly.</p> <p>b) Records of analysis reports are properly maintained and are being made available for inspection to the concerned state/ central officials during their visits.</p>   |        |          |                    |   |                     |  |   |                         |                                |   |                          |  |
| 5      | <p>In order to carry out the environmental monitoring during the operational phase of the project, the project authorities should provide an environmental laboratory well equipped with standard equipment and facilities and qualified manpower to carry out the testing of various environmental parameters.</p>   | <p><b>Complied.</b></p> <p>a) Environmental Monitoring is being carried out through an agency accredited to NABL and approved by MoEF.</p> <p>b) Under the supervision of the Chief Executive Officer (CEO) of the port, Environmental cell with qualified personnel and environmental laboratory are established.</p>  |        |          |                    |   |                     |  |   |                         |                                |   |                          |  |
| 6      | <p>The sand dunes and mangroves, if any, on the site should not be disturbed in any way.</p>  | <p><b>Noted and being Complied.</b></p>   |        |          |                    |   |                     |  |   |                         |                                |   |                          |  |
| 7      | <p>A copy of the clearance letter will be marked to the concerned</p>   | <p><b>Complied.</b></p>   |        |          |                    |   |                     |  |   |                         |                                |   |                          |  |

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|    | Panchayat/local NGO, if any, from whom any suggestion/representation has been received while processing the proposal.   | Copies of Environmental Clearance letters were submitted to Sarpanch, Krishnapatnam Grama Panchayat, Nellore on 10 <sup>th</sup> August, 2006 and to President, Nellore District Mechanized Fishing Boat Operators Association on 10 <sup>th</sup> August, 2006. |
| 8  | The Andhra Pradesh Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industries Centre and Collector's Office/Tehsildar's Office for 30 days.  | <b>Complied.</b><br>Copies of Environmental Clearance letters were submitted to APPCB.   |
| 9  | The funds earmarked for environment protection measures should be maintained, in a separate account and there should be no diversion of these funds for any other purpose. A year-wise expenditure on environmental safeguards should be reported to this Ministry's Regional Office at Bangalore and the State Pollution Control Board.  | <b>Noted.</b><br>The expenditure incurred for the environmental safeguards for the year 2020-21 is Rs. 4.18 Crores and budget for 2021-22 is Rs. 6.0 Crores.   |
| 10 | Full support should be extended to the officers of this Ministry's Regional Office at Bangalore and the officers of the Central and State Pollution Control Boards by the project proponents during their inspection for monitoring purposes, by furnishing full details and action plans including the action taken reports in respect of mitigative measures and other environmental protection activities. | <b>Noted and being complied.</b>   |
| 11 | In case of deviation or alteration in the project including the implementing agency, a fresh reference should be made to this Ministry for modification in the clearance conditions or imposition of new ones for ensuring environmental protection.  | <b>Noted.</b>  |
| 12 | The Ministry reserves the right to revoke this clearance, if any of the conditions stipulated are not complied with to the satisfaction of this Ministry.   | <b>Noted.</b>  |
| 13 | The Ministry or any other competent authority may stipulate any other additional conditions subsequently, if deemed necessary, for environmental protection, which should be complied with.   | <b>Noted.</b>  |



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| 14 | <p>The project proponent should advertise in at least two local newspapers widely circulated in the region around the project, one of which should be in the vernacular language of the locality concerned, informing that the project has been accorded environmental clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen at Website of the Ministry of Environment &amp; Forests at <a href="http://www.envfornic.in">http://www.envfornic.in</a>. The advertisement should be made within 7 days from the date of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office of this Ministry at Bangalore.</p>   | <p><b>Complied.</b><br/>Advertisement was published in Local Newspaper namely Andhra Jyothi dated 11.08.2006. A copy of the advertisement was submitted to the Regional Office, Bangalore of MoEF vide our Letter No.KP/MOEF/346 dated 23.08.2007.</p>  |
| 15 | <p>The project proponents should inform the Regional Office at Bangalore as well as the Ministry the date of financial closure and final approval of the project by the concerned authorities and the date of start of Land Development Work.</p>   | <p><b>Complied.</b><br/>Details were furnished to the MoEF&amp;CC, Regional Office, Bangalore, vide our letter no. KP/MOEF/60 dated 16<sup>th</sup> Feb, 2007.<br/>Financial Closure: 16.10.2006<br/>Approval of the Project by GoAP: 17.09.2004<br/>Start of Land Development June, 2006</p> |
| 16 | <p>The above mentioned stipulations will be enforced among others under the Water (Prevention and Control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (protection) Act, 1986, the Hazardous Chemicals (Manufacture, Storage and Import) Rules, 1989, the Coastal Regulation Zone Notification, 1991 and its subsequent amendments and the Public Liability Insurance Act, 1991 and the Rules made there under from time to time. The project proponents should also ensure that the proposal complies with the provisions of the approved Coastal Zone Management Plan of Andhra Pradesh State and the Supreme Court's order dated 18<sup>th</sup> April, 1996 in the Writ Petition No.664 of 1993 to the extent the same are applicable to this proposal.</p> | <p><b>Noted and being complied.</b></p>   |

**Compliance Report on Conditions Stipulated in the  
Phase-II  
Environmental and CRZ Clearance**

**Period: April 2021 to Sep' 2021**

**Compliance report on conditions of Environmental Clearance (EC) for Krishnapatnam Port for  
Phase - II  
MoEF Order dated 13.11.2009 Period of Report  
"April, 2021 to September, 2021"**

| S. No.                         | Stipulation   | Compliance Status   |
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| <b>5. Specific Conditions:</b> |   |   |
| 1.                             | All the conditions as stipulated by the Forests & Environment Department, Govt. of Andhra Pradesh vide letter No.2286/CZMA/2009, dated 11.05.2009 shall be strictly complied.   | <b>Noted and being complied.</b><br>The APCZMA recommended the project proposal to MoEF in this letter.<br><br>All conditions stipulated therein are being strictly complied  |
| 2.                             | All the details / information submitted by the project proponent vide letter No.KP/MOEF/PH-II/174, dated 17.08.2009 shall be strictly complied. The details are as follows:<br>(i) Southern Boundary of proposed dredge disposal area of Phase-II shall be moved towards North to coincide with Northern Boundary of Phase-I dredge disposal area.<br>(ii) Impact of bridges & conveyor across creeks to be re-examined to avoid impact on mangroves.<br>(iii) To engage INCOIS or other reputed organization to monitor coastal behavior for a longer period.<br>(iv) Runoff from Coal Stock piles shall be collected in dump ponds and recycled for dust suppression and fire protection. | <b>Complied.</b><br>(i) Southern Boundary of proposed dredge disposal area of Phase-II has been moved towards North to coincide with Northern Boundary of Phase-I dredge disposal area.<br>(ii) Belt Conveyors and Road Bridge crossings have no impact on Mangroves. Railway Bridge Location is reworked to avoid disturbance to mangroves.<br>(iii) M/s. Indian National Centre for Ocean Information Services (INCOIS) was engaged for coastal monitoring. As per their Report for 2008-10, the port development has not impacted the coast.<br>(iv) Runoff from coal storage yards is routed through peripheral drains, collection pits and guard (Dump) ponds with facility to recycle the water for dust suppression. |
| 3.                             | The hydro-dynamic studies shall be undertaken to ascertain the impact to the shoreline in the stretch and   | <b>Complied.</b><br>a) The hydro-dynamic studies to ascertain the impact of port development on the shoreline   |

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|    | ecologically sensitive areas and the report shall be submitted to the Ministry.   | <p>in the stretch have been carried out through M/s.HR Wallingford, UK. No long term impact is noticed due to minimal net drift along the coast at Krishnapatnam Port.</p> <p>b) However, as recommended in their report dated October, 2007, 7 Km of coast line both North and South of the port entrance is monitored through M/s. Indian National Centre for Ocean Information Services (INCOIS), Hyderabad using satellite imagery.</p> <p>c) From the INCOIS report for the period October 2008 to January 2010, the coastline is found to be stable.</p> <p>d) Shoreline monitoring further carried out in-house also revealed that the coast line is unaffected except for seasonal variations.</p> |
| 4. | Ministry has taken a decision that the plantation of mangroves shall be undertaken on an area of 50 ha. as the Phase-II of the project spreads over 800 ha. | <p><b>Complied.</b></p> <p>1. Mangroves development in 50 Ha. is undertaken in the port, in the areas suggested by GoAP.</p> <p>2. For the current year 2021-22, Rs. 2.50. lakh is budgeted towards mangrove protection.</p>   |
| 5. | Six monthly monitoring shall be carried out and a comparative analysis shall be made to examine for any mitigative measures required.                       | <p><b>Complied.</b></p> <p>The Six monthly Environmental Monitoring Report of AAQ, Noise, Marine and ground water, Marine Sediment and Soil with comparative analysis are examined, findings shows all values are within limits and ensured mitigative measures implemented. Reports are being submitted to Ministry and APPCB. Same is enclosed to this report as <b>Annexure-1</b>.</p>  |
| 6. | The temperature, salinity and tidal inflow shall be monitored weekly.   | <p><b>Complied.</b></p> <p>Monitoring is being carried out on weekly basis with a NABL accredited consultant and same is being reported.</p>   |
| 7. | The greenbelt of 100 m. width shall be developed around the coal stack yard as per the request in the public hearing.                                       | <p>Complied</p> <p>During Public Hearing it was requested to form 100 m width of green belt along boundary. MoEF has been requested vide Itr. No.: KP/MOEF/113 dt. 29<sup>th</sup> August 2012 to modify this condition suitably.</p> <p>100 m Green belt along the boundary and 20 m wide green belt around coal stack yards is being developed as requested during public hearing.</p>   |
| 8. | Impact on the drawl of the water from the Kandaleru Creek shall be regularly monitored and report submitted to the Ministry.                                | <p><b>Noted and being Complied</b></p> <p>Water is not drawn from Kandaleru Creek and quality of water is being monitored and reported.</p>  |
| 9. | Continuous monitoring on disposal of dredged material shall be put in place for both pre and post monsoon periods.  | <p><b>Complied</b></p> <p>Bathymetry of the disposal area of dredged material i.e., the dumping grounds is being monitored periodically.</p>   |

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| 10. | No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.   | <b>Noted and being Complied.</b><br>only permitted construction works in CRZ area were carried out at site.  |
| 11. | Oil spills if any shall be properly collected and disposed as per the Rules.  | <b>Complied.</b><br>Oil Spills, if any, shall be managed as per the approved Oil Spill Contingency Plan. We have procured Oil Boom, Skimmer and chemicals. Staff are trained to cater to <b>Tier-I</b> Oil spills. As per Disaster Management Plan, Indian Coast Guard will be alerted to Coordinate.  |
| 12. | The approach channel shall be properly demarcated with lighted buoys for safe navigation and adequate traffic control guidelines shall be framed. The fishermen shall be suitably educated and informed about the traffic guidelines. | <b>Complied.</b><br>The approach channel is marked with lighted buoys for safe navigation.<br>Adequate traffic control guidelines are framed and copy was submitted to the Fisheries Department to suitably inform fishermen.  |
| 13. | The project proponent shall set up separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.  | <b>Complied.</b><br>Environmental Cell has been set-up under the supervision of the CEO. Environmental review meetings are being held regularly for effective implementation of stipulated safeguards.<br><b>i) Accreditation to International Management Systems</b><br>a. Adani Krishnapatnam Port is accredited to and complying with the following International management Systems:<br><ul style="list-style-type: none"> <li>• ISO 14001 Environmental Management System</li> <li>• ISO 9001 Quality Management System</li> <li>• ISO 45001 OH &amp; Safety Management</li> <li>• ISO 28000 Specification for Security Management System for the Supply Chain.</li> <li>• CII certified Adani Krishnapatnam Port as Single use plastic free Port.</li> </ul> b. Following environmental protection measures are being implemented in the port:<br><b>i) To Improve AAQ:</b> <ul style="list-style-type: none"> <li>• Installation and operation of Mechanical Dust Suppression System (MDSS) with 248 nos of sprinklers at coal stacking and wagon loading areas.</li> <li>• Deploying 12 no's of Truck mounted water sprinklers for roads and transit areas.</li> <li>• Deploying 2 nos. of Vacuum road sweeping machines.</li> <li>• Deploying 8 nos. of heavy duty Atomized Sprayers</li> </ul> |

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|  |  | <ul style="list-style-type: none"> <li>• Deploying Hoppers for unloading</li> <li>• Mechanized coal handling at 2 berths within the land so far transferred on lease by GoAP. Conveyor covering with hood.</li> <li>• Developed paved roads and resorted to mechanical sweeping of roads.</li> <li>• Tarpaulin Covering of Railway wagons coal transport vehicles destined outside the port.</li> <li>• Developed wind shield/screen and warehouses of 12 m height on west part of (Fast Track Process) FTP-1 and North side towards Krishnapatnam village in coal yards.</li> <li>• 191.5 Ha. of Greenbelt has been developed along port boundary, around coal yards and avenue &amp; median plantations.</li> <li>• Developed firefighting contingency plan, procured necessary fire tenders and other equipment and deployed trained personnel.</li> <li>• Monitoring AAQ at 7 locations through NABL accredited &amp; MoEF approved agency.</li> <li>• Commissioned 3 no's CAAQM Equipment in the port &amp; linked to APPCB website.</li> </ul> <p><b>ii) To Improve Water Quality:</b></p> <ul style="list-style-type: none"> <li>• Developed runoff drains, collections pits, guard ponds for coal storage yards with provision for recycling for dust suppression.</li> <li>• Developed truck wash with oil separator and settlement pits with provision for recycling for dust suppression.</li> <li>• Developed 300 KLD STP and treated effluent is recycled for dust suppression and green belt.</li> <li>• Monitoring of Marine water quality, Marine sediment quality, Surface Water Quality and ground water quality at regular intervals.</li> </ul> <p><b>ii) To Improve Oil Spillage Control:</b></p> <ul style="list-style-type: none"> <li>• Developed Oil Spill Contingency plan for Tier-I spills, procured necessary</li> </ul> |
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|     |  | <p>equipment and chemicals and deployed trained personnel.</p> <ul style="list-style-type: none"> <li>• Trainings and periodical mock drills are being organized for the work force</li> <li>• Developed <b>on-site emergency plan</b> duly reviewed by former DGFASLI and submitted to District administration for integrating with Off-Site Emergency plan.</li> </ul> <p><b>iii) To improve occupational Health:</b></p> <ul style="list-style-type: none"> <li>• Personal Protection Equipment (PPEs) are provided to all the workers and ensuring that all the work force uses the same regularly</li> <li>• Periodical health checkups at the port dispensary are ensured for workers engaged in coal handling</li> </ul> |
| 14. | No destruction of mangrove is permitted. The project proponent shall take up mangrove plantation / green belt in the project area, wherever possible. Adequate budget shall be provided in the Environment Management Plan for such mangrove development.                                      | <p><b>Noted and being Complied.</b></p> <ol style="list-style-type: none"> <li>1. Developed mangroves of 50 Ha in the Port area suggested by GoAP.</li> <li>2. For the current year 2020-21 Rs. 2.50 lakh is budgeted towards Mangrove Protection.</li> </ol>   |
| 15. | The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.   | <p><b>Complied.</b></p> <p>An amount of Rs. 4.18 Crores has been utilized for Environment management for 2020-21 and budget for 2021-22 Rs. 6.0 Crores</p>  |
| 16. | There shall be no withdrawal of groundwater in Coastal Regulation Zone area, for this project. In case any groundwater is proposed to be withdrawn from outside the CRZ area, specific prior permission from the concerned State / Central Groundwater Board shall be obtained in this regard. | <p><b>Complied.</b></p> <p>No groundwater is being drawn in at CRZ area.</p>  |
| 17. | The Hazardous waste generated shall be properly collected and handled as per the provisions of Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008.  | <p><b>Complied.</b></p> <p>Hazardous waste like used oils / grease and batteries are being collected and handled as per the provisions of Hazardous Waste (Management, Handling and Trans boundary Movement) Rules, 2016 and their amendments.</p>  |
| 18. | The waste water generated from the activity shall be collected, treated and reused properly.   | <p><b>Complied.</b></p> <p>A 300 KLD STP is commissioned and is operational. The treated effluent is recycled for greenbelt development.</p>  |
| 19. | Sewage Treatment facility should be provided in accordance with the CRZ Notification.  | <p><b>Complied.</b></p> <p>A 300 KLD STP is commissioned and is operational since 2011. The treated effluent is</p>   |

|        |   | recycled for the dust suppression and greenbelt development.  |        |          |                    |   |                     |  |   |                         |                                |   |                          |   |
|--------|---|---|--------|----------|--------------------|---|---------------------|--|---|-------------------------|--------------------------------|---|--------------------------|---|
| 20.    | No solid waste will be disposed of in the Coastal Regulation Zone area. The solid waste shall be properly collected, segregated and disposed as per the provision of Solid Waste (Management and Handling) Rules, 2000. | <p><b>Noted and Complied.</b><br/>Solid wastes are being collected, Segregated and disposed as per the Solid Waste (Management and Handling) Rules, 2016 and their amendment. Disposal method for various materials are as follows;</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Material</th> <th>Method of Disposal</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Biodegradable waste</td> <td>Green belt waste Composting, used as manure and kitchen waste Send to Pig Farms.</td> </tr> <tr> <td>2</td> <td>Non-Biodegradable waste</td> <td>Disposal to approved recyclers</td> </tr> <tr> <td>3</td> <td>Used Oils/Used Batteries</td> <td>Batteries are procured on buy back basis and Used oil is being disposed to approved vendors of APPCB.</td> </tr> </tbody> </table> | S. No. | Material | Method of Disposal | 1 | Biodegradable waste | Green belt waste Composting, used as manure and kitchen waste Send to Pig Farms. | 2 | Non-Biodegradable waste | Disposal to approved recyclers | 3 | Used Oils/Used Batteries | Batteries are procured on buy back basis and Used oil is being disposed to approved vendors of APPCB. |
| S. No. | Material  | Method of Disposal  |        |          |                    |   |                     |  |   |                         |                                |   |                          |   |
| 1      | Biodegradable waste   | Green belt waste Composting, used as manure and kitchen waste Send to Pig Farms.  |        |          |                    |   |                     |  |   |                         |                                |   |                          |   |
| 2      | Non-Biodegradable waste   | Disposal to approved recyclers  |        |          |                    |   |                     |  |   |                         |                                |   |                          |   |
| 3      | Used Oils/Used Batteries  | Batteries are procured on buy back basis and Used oil is being disposed to approved vendors of APPCB.   |        |          |                    |   |                     |  |   |                         |                                |   |                          |   |
| 21.    | Installation and operation of DG set if any shall comply with the guidelines of CPCB.   | <p><b>Noted.</b><br/>Diesel Generator Sets being used are in the range of 100 KVA to 500 KVA only as back up for emergency lighting &amp; safety during power breakdowns and these DG sets comply with the guidelines of Central Pollution Control Board (CPCB).</p>  |        |          |                    |   |                     |  |   |                         |                                |   |                          |   |
| 22.    | There shall be no reclamation / dredging of areas.  | <p><b>Not applicable.</b><br/>This condition is deleted vide MoEF letter no. F. No. 11-62/2009-IA.III Dated: 2<sup>nd</sup>March, 2010.</p>   |        |          |                    |   |                     |  |   |                         |                                |   |                          |   |
| 23.    | Air quality including the VOC shall be monitored regularly as per the guidelines of CPCB reported.  | <p><b>Not applicable.</b></p> <p>a) This condition pertaining to VOC monitoring is deleted vide MoEF letter F. No. 11-62/2009-IA.III Dated: 2<sup>nd</sup>March, 2010.</p> <p>b) Air quality monitoring is regularly being carried out at 7 locations through an agency accredited by NABL and approved by MoEF&amp;CC. Results of monitoring comply with the norms. Periodical Monitoring Reports are being submitted regularly to APPCB.</p>  |        |          |                    |   |                     |  |   |                         |                                |   |                          |   |
| 24.    | The project proponent shall undertake green belt development.   | <p><b>Complied.</b><br/>Greenbelt has been developed progressively in the port i.e., 100 m wide greenbelt along periphery and 20 m around coal and iron ore stacks, total Greenbelt required by end of Phase-I &amp;II is 191.5 Ha.</p>   |        |          |                    |   |                     |  |   |                         |                                |   |                          |   |

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| 25.                                  | Necessary clearances from all the concerned agencies shall be obtained before initiating the project.   | <p><b>Complied.</b><br/>Clearances from the concerned agencies like Krishnapatnam Village Panchayat, Fishing Boat Operators Association, Nellore; NOC from Revenue Department for dispensing HSD, Rail Transport Clearance from Ministry of Railways, Customs Clearance for handling of Cargo, Appointment of Krishnapatnam Port as Conservator from GoAP etc., have already been obtained as part of Phase-I development. Further, clearances from the following statutory authorities have also been obtained. NSPC, ISPS, Coast Guards and NHO.</p>                             |
| 26.                                  | Project proponent shall install necessary oil spill mitigation measures in the shipyard. The details of the facilities provided shall be informed to this Ministry within 3 months from the date of receipt of this letter.   | <p><b>Complied.</b><br/>a) Oil Spill Contingency Response Plan is in place to cater to Tier –I spills. In pursuance, we have provided the following facilities.<br/>i) Spill response equipment and chemicals to handle Tier-1 Oil Spills<br/>ii) Shoreline cleaning equipment<br/>iii) A team of well trained professionals to handle Oil Spill Contingencies / emergencies with the coordination of Indian Coast Guard.<br/>b) Details were furnished to the MoEF&amp;CC Regional Office, Bangalore, vide our letter no. KP/MoEF/PH-II/20 dated 2<sup>nd</sup>February, 2010</p> |
| 27.                                  | No hazardous chemicals shall be stored in the Coastal Regulation Zone area.   | <p><b>Complied.</b><br/>No hazardous chemicals are stored in CRZ area.</p>   |
| 28.                                  | The project shall not be commissioned till the requisite water supply and electricity to the project are provided by the PWD / Electricity Department.  | <p><b>Complied.</b><br/>Electrical power is being provided by APTRANSCO</p>  |
| 29.                                  | Specific arrangements for rainwater harvesting shall be made in the project design and the rainwater so harvested shall be optimally utilized.  | <p><b>Complied.</b><br/>Rainwater harvesting pits are developed near buildings.<br/>For the general area, rainwater harvesting ponds are also developed at suitable locations.</p>   |
| 30.                                  | The facilities to be constructed in the CRZ area as part of this project shall be strictly in conformity with the provisions of the CRZ Notification, 1991 and its amendment. The facilities such as office building and residential buildings which do not require waterfront and foreshore facilities shall not be constructed within the Coastal Regulation Zone area. | <p><b>Noted and being complied.</b></p>  |
| <p><b>6. General Conditions:</b></p> |   |  |
| i.                                   | Adequate provision for infrastructure facilities including water supply, fuel and sanitation must be ensured for construction workers during the  | <p><b>Noted.</b><br/>Adequate provisions including water supply, and sanitation are ensured for construction workers</p>   |



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|      | construction phase of the project to avoid any damage to the environment.  | at the time of Construction phase. It is completed.   |
| ii.  | Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.  | <b>Noted.</b><br>Adequate measures are being taken while digging to avoid degradation of water quality.   |
| iii. | Borrow sites for each quarry sites for road construction material and dump sites must be identified keeping in view the following:   | <b>Noted.</b><br>No excavation or dumping on private property is being carried out.   |
|      | (a). No excavation or dumping on private property is carried out without written consent of the owner.   |   |
|      | (b). No excavation or dumping shall be allowed on wetlands, forest areas or other ecologically valuable or sensitive locations.  | <b>Noted.</b>   |
|      | (c). Excavation work shall be done in close consultation with the Soil Conservation and Watershed Development Agencies working in the area, and  | <b>Noted.</b>   |
|      | (d). Construction spoils including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the dump sites for such materials must be secured so that they shall not leach into the groundwater.   | <b>Noted.</b><br>Care is being taken not to contaminate water courses and Ground water.   |
| iv.  | The construction material shall be obtained only from approved quarries. In case new quarries are to be opened, specific approvals from the competent authority shall be obtained in this regard.  | <b>Noted.</b> Construction material used by contractors at AKPL is from approved quarries. Royalty receipts are being submitted by contractors. |
| v.   | Adequate precautions shall be taken during transportation of the construction material so that it does not affect the environment adversely.   | <b>Noted.</b>   |
| vi.  | Full support shall be extended to the officers of this Ministry / Regional Office at Bangalore by the project proponent during inspection of the project for monitoring purposes by furnishing full details and action plan including action taken reports in respect of mitigation and other environmental protection activities. | <b>Noted.</b>   |
| vii. | Ministry of Environment & Forests or any other competent authority may   | <b>Noted.</b>   |

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|       | stipulate any additional conditions or modify the existing ones, if in the interest of environment and the same shall be complied with.   |  |
| viii. | The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.  | <b>Noted.</b>  |
| ix.   | In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the Ministry of Environment and Forests.   | <b>Noted.</b>  |
| x.    | The project proponents 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 and the date of start of land development work.   | <b>Complied.</b><br>These details were furnished to the MoEF&CC Regional Office, Bangalore, vide our letter no. KP/MoEF/PH-II/20 dated 2nd February, 2010.<br>Financial Closure: 17.03.2009<br>Approval of the Project by GoAP: 04.08.2009<br>Start of land development work: 11.08.2009 |
| xi.   | Andhra Pradesh Pollution Control Board shall display a copy of the Clearance letter at the Regional Office, District Industries Centre and Collector's Office / Tehsildar's Office for 30 days.   | <b>Complied.</b><br>Copy of Environmental Clearance submitted to APPCB.  |
| 7.    | These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification 1994, including the amendments and rules made thereafter. | <b>Noted.</b>  |
| 8.    | All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc., shall be obtained, as applicable by project proponents from the respective competent authorities.                     | <b>Complied.</b><br>Statutory clearances are obtained for storage of Diesel from Chief Controller of Explosives (CCE), Fire Department, Civil Aviation Department, and Forest Conservation Act.  |
| 9.    | The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the Andhra Pradesh   | <b>Complied.</b><br>Advertisement was given in Two Local Newspapers namely Deccan Chronicle dated 22.11.2009 and Andhra Jyothi dated 22.11.2009. A copy of the advertisement was sent to Regional Office, Bangalore of MoEF vide our Letter No.KP/MOEF/PH.II/08 dated 18.01.2009.        |

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|     | State Pollution Control Board and may also be seen on the website of the Ministry of Environment and Forests at <a href="http://www.envfor.nic.in">http://www.envfor.nic.in</a> The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional Office of this Ministry at Bangalore.   |   |
| 10. | Environmental Clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.   | <b>Noted.</b>   |
| 11. | Any appeal against this Environmental Clearance shall lie with the National Environment Appellate Authority, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.   | <b>Noted.</b>   |
| 12. | A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad / Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions /representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.  | <b>Complied.</b>  |
| 13. | The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) 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. | <b>Complied.</b><br>a) Periodic monitoring of various parameters is being carried out by an agency accredited by NABL and approved by MoEF&CC. The results of monitoring comply with the norms. Results of periodic monitoring are being regularly submitted to statutory authorities.<br>b) EMP as per the EIA report is being implemented.<br>c) Environmental Information is being displayed on the port website.<br>d) Six monthly Environmental Monitoring Reports are being submitted to Ministry and APPCB. Same is enclosed as <b>Annexure-1</b> .<br>e) Ambient Air Quality Parameters are being displayed at the main office. |

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| 14.   | The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.   | <b>Complied.</b>  |
| 15.   | The environmental statement for each financial year ending 31 <sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the Company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail. | <b>Complied.</b><br>Report for the previous year (FY 2020-21) was submitted to the APPCB vide letter No. AKPL/MIS(A)-APPCB/EHS/161-2021, dated 24.09.2021.  |
| <b>Specific Conditions vide MoEF&amp;CC order F.No. 11-62/2009-IA.III (Pt) dated 16.03.2016</b> |   |   |
| i   | Construction activity shall be carried out strictly according to the provision of CRZ notification, 2011. No construction work other than those permitted in coastal Regulation Zone Notification shall be carried out in Coastal regulation Zone area.   | <b>Complied.</b><br>No construction works other than that permitted in Coastal Regulation Zone Notification is being carried out in CRZ Area.   |
| ii  | All the recommendations and conditions specified by AP Coastal Zone Management Authority (APCZMA) vide letter no.3160/Env/CZMA/2014 dated 14.08.2014 shall be complied with.  | <b>Complied with the condition recommended by APCZMA.</b>   |
| <b>Recommendations and Conditions of the APCZMA dated 14.08.2014.</b>                           |   |   |
|   | 1. The proposed constructions in the Deep Water Port at Krishnapatnam in SPSR Nellore District shall confirm to norms prescribed in CRZ Notification, 2011 issued by the Ministry of Environment and Forests, Government of India.  | <b>Noted</b><br>Norms prescribed in the CRZ Notification, 2011 are being complied in respect of constructions being taken up in the Krishnapatnam Port.   |
|   | 2. Mining of sand, rock and other substrata material is strictly prohibited, except for the activities permitted under CRZ notification, 2011. No dressing or altering of sand dunes, hills, natural features within the area covered under Coastal regulation Zone. Approved   | <b>Noted</b><br>No mining of sand, rock and other substrata material is being carried out in port area. No dressing or altering of sand dunes, hills, natural features is being carried out. Stones and boulders for the construction of roads etc., is being procured from the GoAP approved quarries. |

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|  | stone quarries shall be identified for extraction of stones and boulders for the construction of roads.   |  |
|  | 3. Harvesting or drawl of ground water within the CRZ area should not be resorted either for construction or during the operational phase of the port within the CRZ area.  | <b>Noted</b><br>Withdrawal of Ground water in CRZ area is not resorted to.   |
|  | 4. Green belt shall be developed all along the land boundary of the proposed project site to act as wind breaks. The treated waste water from the Sewage Treatment Plant shall be utilized for raising the green belt.  | <b>Complied.</b><br>a) Green belt of 191.5 Ha has been developed along port boundary, around coal yards, avenue & median plantations. Further Greenbelt development is in progress.<br>b) Treated wastewater from the STP is being utilized for the green belt development and dust suppression.   |
|  | 5. Mangrove plantations existing in the Port area shall be maintained and protected. There is about 85 Ha of mangrove plantations existing in the port area. Suitable areas may be identified for planting the mangroves. Wherever, mangroves are planted in the vicinity (Private / Government lands), necessary protection shall be extended. | <b>Complied.</b><br>Existing Mangrove areas are being maintained and protected with suitable barricading, erection of display boards and ensuring the tidal flow.  |
|  | 6. Shore protection measures shall be undertaken to prevent erosion of shoreline based on studies conducted by reputed national agency (INCOIS).  | <b>Complied</b><br>a) From the INCOIS report for the period October 2008 to January, 2010, the coastline is found to be stable.<br>b) Shoreline monitoring further carried out in-house also revealed that the coastline is unaffected except for seasonal variations.<br>c) Though the shoreline is stable, still shore protection measures like green cover (casuarina plantation) along the beach is developed.   |
|  | 7. Necessary measures shall be taken to prevent the pollution of waters in the creek and Buckingham Canal on account of construction of new structures.   | <b>Complied</b> <ul style="list-style-type: none"> <li>• Developed runoff drains, collections pits, guard ponds for coal storage yards with provision for recycling for dust suppression.</li> <li>• Developed truck wash with oil separator and settlement pits with provision for recycling for dust suppression.</li> <li>• Developed 300 KLD STP and treated effluent recycled for dust suppression and green belt.</li> <li>• Developed Oil Spill Contingency plan for Tier-I spills, procured necessary equipment and chemicals and deployed trained personnel.</li> </ul> |

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|  |   | <ul style="list-style-type: none"> <li>• Surface water quality monitoring is also being carried out by NABL approved agency at regular intervals; reports are being submitted to APPCB, RO, Nellore.</li> <li>•</li> </ul> |
|  | 8. Neither dumping of solid waste in the creeks / BC Canal nor filling up of the creeks are permitted. The debris shall be transported and disposed at a designated disposal site authorized by APPCB.  | <p><b>Complied.</b><br/>Solid waste is not dumped into the creeks / BC canal</p> <p>The debris/solid waste is being Collection, Segregate and Store at a designated location dispose to authorized vendor.</p>             |
|  | 9. There shall be no obstruction to ensure the free flow of water in both directions in the creeks and Buckingham Canal to prevent flooding of upper catchment during rainy season.   | <p><b>Noted and being complied.</b><br/>Creeks are provided with box culverts to ensure the free flow of water in both directions in the creeks. Free flow of water at BC is ensured.</p>                                  |
|  | 10. The port management shall make fresh reference, in case the proposed operations extend beyond the designated area.  | <b>Noted</b>   |
|  | 11. All the conditions stipulated in the NOC issued through Letter No. <b>7401/CZMA/2012</b> , dated <b>02.02.2013</b> shall be implemented. Full cooperation shall be extended to all inspecting authorities / organizations such as APPCB, CPCB and local Environment Protection organizations etc. | <b>Noted and being Complied.</b>   |
| <b>Recommendations and Conditions of the APCZMA dated 02.02.2013</b> |   |  |
|  | 1. Necessary permission shall be obtained from Government / Director of Ports to develop the infrastructure facilities and copies of such permissions shall be submitted for records.   | <b>Noted.</b>  |
|  | 2. Permission from inland water transport (IWT) Wing of State irrigation Department shall be obtained to undertake new constructions and also for taking up any modifications of the existing structures on the Buckingham Canal.   | <b>Noted.</b>  |
|  | 3. Dredged material shall be utilized for reclamation of land purpose of the port hinterland area subject to the suitability of dredged spoils.   | <p><b>Complied.</b><br/>Suitable dredged material is being utilized for reclamation as needed. The remaining balance</p>   |

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|     | The disposal of balance sediment material into sea be undertaken as per the EIA report.  | dredge material is only being disposed as per the EIA report.  |
|     | 4. The project proponent shall submit the compliance report to the Government before commissioning the port and related facilities   | <b>Noted.</b>  |
|     | 5. Full cooperation shall be extended to all inspecting authorities / organizations such as APPCB, CPCB and local Environment Protection organizations etc.  | <b>Noted.</b><br>Full cooperation is being extended to all inspecting authorities / organizations such as APPCB, CPCB and local Environment Protection organizations etc.  |
| iii | Automatic/online monitoring system (24x7 monitoring devices) for air pollution as well as water pollution in respect of flow measurement and relevant pollutants in the treatment system to be installed. The data to be made available to the respective SPCB and in the Company's website. | <b>Complied.</b><br>Three continuous AAQM stations are installed and commissioned in the port area and it was linked to APPCB web site.<br>Analysis of treated wastewater from STP is carried out by NABL approved agency; reports are being submitted to APPCB. |
| iv  | All the recommendations mentioned in rapid risk assessment report, disaster management plan and safety guidelines shall be implemented.  | <b>Noted.</b><br>All the recommendations of EIA Report (EMP) and safety guidelines are being implemented.  |

**Compliance Report on Conditions Stipulated  
in the**

**Environmental and CRZ clearance  
For Phase-III**

**Development of Krishnapatnam Port**

**Period: April 2021 to September 2021**



**Adani Krishnapatnam Port** obtained **No Objection Certificate for CRZ** from APCZMA and MoEF&CC granted **Environment & CRZ clearance** for the "Expansion of Krishnapatnam Port (Phase-III)", the project comprises of 16 berths (including 3 jetties for liquid cargo) and 3 SBMs in deep waters to cater to 150.2 MTPA of various types of cargo and 1.1 MTEUsPA of container cargo with dredging of 60 Million cum. AKPL obtained Consent For Establishment (CFE) from APPCB vide order No. 633/APPCB/CFE/RO-NLR/HO/2010 dated 25.02.2021. Phase-III expansion works initiated with dredging for construction of liquid jetty at lee side of the north breakwater.

**Compliance report on conditions of Environmental & CRZ Clearance for Adani Krishnapatnam Port for Phase - III**  
**MoEF&CC Order dated 11.01.2021 Period of Report "April 2021 to September 2021"**

| S. No.                         | Condition  | Compliance Status  |
|--------------------------------|--|--|
| <b>A. Specific Conditions:</b> |  |  |
| (i)                            | The Environmental and CRZ Clearance to the project is primarily under provisions of EIA Notification, 2006 and CRZ Notification, 2011. It does not tantamount to approvals/consent/permissions etc., required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals / clearances under any other Acts/ Regulations or Statutes as applicable to the project. | <b>Noted.</b>  |
| (ii)                           | The project proponent shall abide by all the commitments and recommendations made in the Form-II, EIA and EMP report, submissions made during Public Hearing and also that have been made during their presentation to EAC.  | <b>Noted.</b><br>All the recommendations in the Environment Management Plan of the Environmental Impact Assessment report will be implemented. As part of Phase-I & II, AKPL is conducting Environmental Monitoring covering the following attributes Air, Noise, Marine water, Sediment, Turbidity at deep sea, STP water quality, Soil, Ground water, Surface water, DG set on regular basis, the results of the analysis were found to be well within the permissible limits. The six monthly environmental monitoring from April 2021 to September 2021 is attached as <b>Annexure-1</b> . |
| (iii)                          | 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   | <b>Noted and being Complied.</b><br>All the construction works are being carried out as per the CRZ Notification, 2011. Only permitted activities in CRZ area are being carried out.   |

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|        | Notification shall be carried out in Coastal Regulation Zone area.  |   |
| (iv)   | All the recommendations and conditions specified by the Andhra Pradesh Coastal Zone Management Authority (APCZMA) vide letter 202/CRZ/IND/201930 dated 21.05.2020 shall be complied with.   | <b>Noted and being Complied</b>   |
| (v)    | 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. Creek water monitoring program shall be implemented during the construction phase   | <b>Noted and Being complied.</b><br>Creek water monitoring shall be implemented during the construction phase to ensure the free flow of water.   |
| (vi)   | Development of green belt by native species with consultation with state forest department shall be ensured.  | <b>Noted.</b><br>Port has developed 191.5 Ha. Of greenbelt including boundary plantation, avenue plantation and plantation in the storage areas. Greenbelt developed in the Port so far is of only native species, all the saplings for the greenbelt development is being developed in-house in the nursery by collecting seeds, stem cutting etc., and purchased from the district forest department. Same shall be followed for Phase III greenbelt. |
| (vii)  | The proposed expansion entails 60 million cum of dredging in soft soil. As proposed, the PP shall utilize 26 million cu m of dredged sand for reclamation of low lying areas of port, stock pile 2 million cu m on the coast north of north breakwater for long term coastal protection as recommended by NIOT and disposal of balance 32 million cu m of dredged spoil in the identified dredge disposal area of 56 Km <sup>2</sup> beyond (-) 20 m contour. The impact of dredging on the marine environment should be monitored and necessary measures shall be taken on priority basis if any adverse impact is observed. NIOT will oversee the work as scientific body and continue to monitor its impact/benefits for at least 5 years post project completion. Necessary financial assistance to be provided by project proponent to NIOT. The report of the same to be submitted to regional office of MoEFCC by project proponent. | <b>Noted.</b><br>APPCB issued Consent for Establishment (CFE) vide their order No. 633/APPCB/CFE/RO-NLR/HO/2010 dated 25.02.2021. Dredging works for construction of liquid jetty at the lee side of the North breakwater has been started after obtaining CFE from APPCB. The impact of dredging activities will be monitored by engaging NIOT as scientific body.   |
| (viii) | Marine ecological monitoring and its mitigation measures for protection of phytoplankton, zooplanktons,   | <b>Noted.</b><br>Periodical Environmental monitoring is being carried out in Krishnapatnam Port   |

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|       | <p>macrobenthos, estuaries, sea-grass, algae, sea weeds, Crustaceans, Fishes, coral reefs and mangroves etc. as given in the EIA-EMP Report shall be complied with in letter and spirit with the help of reputed organization or individuals of national repute having knowledge in the said subject. Necessary financial assistance to be provided by project proponent.</p> | <p>by NABL accredited Laboratory which includes Biological parameters Primary productivity, Chlorophyll, Phytoplankton, Zooplankton in marine water, Benthos communities (Macro benthos, Epifauna, infauna) in Marine sediment. The report of the Environmental monitoring is being submitted to the APPCB regularly. In addition, NCSCM is engaged in annual Environmental Monitoring once in four years to carry out monitoring of various parameters covering, Land, Air quality, Noise, Water, Marine, Marine sediment and mangroves.</p> |
| (ix)  | <p>Continuous online monitoring of air and water covering the total area shall be carried out and the compliance report of the same shall be submitted along with the 6 monthly compliance reports to the regional office of MoEF&amp;CC.</p>   | <p><b>Noted.</b><br/>03 Nos. Continuous Ambient Air quality monitoring stations have been installed and connected to APPCB which are located at the periphery of the Villages Gopalapuram, Thamminapatnam and Krishnapatnam.</p>  |
| (x)   | <p>The actions shall be in accordance with proposed landscape planning concepts to minimize major landscape changes. The change in land use pattern shall be limited to the proposed port limits and be carried out in such a way as to ensure proper drainage by providing surface drainage systems including storm water network.</p>                                       | <p><b>Noted.</b><br/>All the developmental activities will be as per the Phase-III layout and proper surface drainage system along with storm water network shall be provided so as to ensure proper drainage in the project area.</p>  |
| (xi)  | <p>Suitable preventive measures be taken to trap spillage of fuel / engine oil and lubricants from the construction site. Measures should be taken to contain, control and recover the accidental spills of fuel during cargo handling.</p>   | <p><b>Noted</b><br/>Port has existing Tier-I oil spill response equipment to combat any oil spill and coordinate with Indian Coast Guard to contain, control and recover the accidental spills of fuel during cargo handling.</p>   |
| (xii) | <p>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 the RO, MoEF&amp;CC along with half yearly compliance report.</p>   | <p><b>Noted.</b><br/>Environmental Monitoring Plan prepared in matrix format for the Phase-III expansion and will be implemented at site.</p>   |
| xiii) | <p>The company shall draw up and implement Corporate Social Responsibility Plan as per the Company's Act of 2013.</p>   | <p><b>Noted.</b><br/>Krishnapatnam Port implemented Corporate Social Responsibility over the years by providing facilities for Education, Skill development and employment, Health &amp; welfare, Community development, women empowerment etc., Krishnapatnam Port will augment the existing CSR activities for the proposed project.</p>  |

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| xiv)   | <p>As per the Ministry's Office Memorandum F. No. 22-65/2017-IA.III dated 30<sup>th</sup> September, 2020, the project proponent shall abide by all the commitments made by them to address the concerns raised during the public consultation. The project proponent shall initiate the activities proposed by them, based on the commitment made in the public hearing, and incorporate in the Environmental Management Plan and submit to the Ministry. All other activities including pollution control, environmental protection and conservation, R&amp;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&amp;R action plan carried out during the preparation of EIA report or prescribed by EAC, shall also be implemented and become part of EMP.</p> | <p><b>Noted.</b><br/>Public hearing for Phase-III expansion was waived as it is being developed in the existing land area of 6800 Ac. All the commitments made in the public hearing for Phase-II during 2009 are being complied. All the activities proposed in the Environment Management Plan for Phase-III along with the existing EMP including Pollution control measures, Environmental protection and conservation, R&amp;R, Wildlife and forest conservation/protection measures including the NPV, Compensatory Afforestation, if any., as prescribed shall be implemented.</p> |
| <b>B. Standard Conditions:</b>                     |   |   |
| <b>6. Statutory Compliance:</b>                    |   |   |
| i.   | <p>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 construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.<br/>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.</p>  | <p><b>Noted and being Complied.</b><br/>Only permitted construction works in CRZ area are being carried out as per the provisions of CRZ Notification, 2011. As per the Concession Agreement, GoAP shall provide power supply from the nearest substation as per the request of the company.</p>  |
| i.   | <p>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.</p>  | <p><b>Noted and being complied.</b><br/>Krishnapatnam Port has obtained license from Chief Controller of Explosives to store petroleum class A &amp; B as a retail outlet inside the Port which is valid up to 31.12.2021.</p>  |
| <b>7. Air quality monitoring and preservation:</b> |   |   |

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| i.   | 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.                                    | <p><b>Noted.</b><br/>Environmental Monitoring is being carried out by NABL accredited laboratory. Ambient Air Quality for the entire Port area and outside the port area at 7 locations is being monitored covering upwind and downwind directions. Commissioned 3 no's CAAQM Equipment's in the port &amp; linked to APPCB website.<br/>As Phase-III is being developed in the existing Port area, the same shall be continued.</p>   |
| ii.  | 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.  | <p><b>Noted.</b><br/>In the Port operation area, Port has deployed mechanical road sweeping machines for roads, 248 nos. of sprinklers system, 8 nos. of atomizers and 15 nos. mobile water tankers for coal storage yards for dust suppression measures, wind screen towards Krishnapatnam village &amp; Godown with 12 m height to act as dust barrier towards Chalivendram village. All the existing measures shall be augmented as per the requirement and implementation of new technologies to control air pollution shall be explored for dust control in the Port.</p> |
| iii. | 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. | <p><b>Noted.</b><br/>Shrouding shall be used in the work site to enclose and act as dust curtain. Wind screens are erected in the Port to minimize the dust spread to the nearby village.</p>  |
| iv.  | 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.   | <p><b>Noted</b></p>  |
| v.   | The Vessels shall comply the emission norms prescribed from time to time.  | <p><b>Noted.</b><br/>All the vessels calling at Krishnapatnam Port shall be verified to comply with the MARPOL regulations as prescribed from time to time.</p>  |
| vi.  | Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules  | <p><b>Noted</b><br/>All the DG sets at construction area shall be provided with acoustic enclosures and</p>  |

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|      | 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.   | conforms to the rules made under the Environment (Protection) Act, 1986 like DG height, Fuel using low sulphur diesel and regular monitoring on stack emission check as per the prescribed CPCB norms.  |
| vii. | 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. | <b>Noted.</b><br>A detailed Traffic Management & Traffic decongestion Plan was prepared as part of Cumulative Impact Assessment for the study area covering 20 Kms and submitted to the EAC committee as Annexure to Environmental Impact Assessment. The report and recommendations shall be submitted to the concerned authorities for road augmentation and implementation of recommendations in the Plan. |
|      | <b>8. Water quality monitoring and preservation:</b>   |   |
| i.   | 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.  | <b>Noted.</b><br>Creek water monitoring shall be implemented during the construction activities on/near the creek to ensure the free flow of water.   |
| ii.  | 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.   | <b>Noted.</b><br>Appropriate measures shall be taken while undertaking digging activities to avoid any likely degradation of water quality.<br>Dredging is planned in phased manner and Silt curtains shall be used to contain the spreading of suspended sediment during dredging within the dredging area.  |
| iii. | No ships docking at the proposed project site will discharge its on-board waste water untreated in to the  | <b>Noted.</b><br>No ships will be allowed to discharge its on board waste water. However, Port  |

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|       | estuary/ channel. All such wastewater load will be diverted to the proposed Effluent Treatment Plant of the project site.   | collects garbage, oil waste, sludge etc., through Port reception facility from the Vessel and dispose through authorized recyclers.   |
| iv.   | Measures should be taken to contain, control and recover the accidental spills of fuel and cargo handle.  | <b>Noted.</b><br>Port has existing Tier-I oil spill response equipment to combat any oil spill supported by Indian Coast Guard to contain, control and recover the oil spill.   |
| v.    | The project proponents will draw up and implement a plan for the management of temperature differences between intake waters and discharge waters.  | <b>Noted</b><br>Not applicable, as there is no intake and outfall proposed in the project.  |
| vi.   | 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. | <b>Noted</b> <ul style="list-style-type: none"> <li>• Port is equipped with Tier-I, oil spill response equipment to combat spillage of oil, supported by Indian Coast Guard.</li> <li>• Oil Spills, if any at construction area, shall be managed as per the Oil Spill Contingency Plan. We have Procured Oil Boom, Skimmer and chemicals.</li> <li>• Trainings and periodical mock drills are being organized for the work force at work place</li> <li>• As per Disaster Management Plan, Indian Coast Guard will be alerted and Coordinate.</li> </ul> |
| vii.  | 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.   | <b>Noted.</b><br>Port has necessary approvals to withdraw 4MLD of water from Nakalakaiva Irrigation drain and 1 MLD from Muthukur tank, which will meet the total water requirement of the Port.  |
| viii. | 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.  | <b>Noted.</b><br>Sewage Treatment Plant of 300_KLD capacity (Fluidized Bed Bio Reactor technology) is under operation as part of Phase-I & II. The treated effluent from the STP is being used for greenbelt development and dust suppression. STP for proposed Phase-III expansion shall be provided as and when required.   |
| ix.   | A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage   | <b>Noted.</b><br>The treated domestic water shall be utilized for greenbelt development and dust suppression.   |

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|      | systems along with the final disposal point should be obtained.  |  |
| x.   | No diversion of the natural course of the river shall be made without prior permission from the Ministry of Water resources.   | <b>Noted.</b><br>The project does not involve any diversion of the natural course of the river.  |
| xi.  | 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.     | <b>Noted.</b><br>Port shall stockpile 2 Million Cu.m of dredged material as erosion control measure at the shore north of north breakwater as recommended by NIOT. This will act as long term protection of shore.   |
|      | <b>1. Noise monitoring and prevention:</b>   |  |
| i.   | 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.                                  | <b>Noted.</b><br>AKPL engaged NABL accredited Environmental monitoring agency to monitor Noise quality and the values are well within the limits of CPCB standard. The monthly analysis reports are being submitted to APPCB, Regional office and half yearly report along with six monthly compliance reports to Regional Office, MoEF&CC and APPCB. The same shall be continued as the proposed project and is sampling locations are within the existing Port boundary. |
| ii.  | 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 equipment. | <b>Noted and being complied.</b><br>Noise levels are regularly being monitored and they comply to standards at construction site. All the DG sets are provided with acoustic enclosures and all other equipment & machineries are given periodic maintenance.  |
| iii. | 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.   | <b>Noted.</b><br>All the DG sets are provided with acoustic enclosures and all other equipment & machineries are conducting periodic maintenance. Ear plugs will be provided along with PPE to all the workmen working in noise generating area.   |
| iv.  | 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.  | <b>Complied.</b><br>AKPL engaged NABL accredited Environmental monitoring agency to monitor Noise quality and the values are well within the limit of CPCB standard. The noise levels are being monitored at 7 locations.  |
|      | <b>2. Energy Conservation measures:</b>  |  |
| i.   | Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights,  | <b>Noted.</b><br>During planning stage of the building constructions, possibilities for provision  |



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|      | parking around project area and maintain the same regularly;  | of roof top solar power systems shall be explored.   |
| ii.  | Provide LED lights in their offices and port areas.   | <b>Noted.</b><br>All the office buildings and other operation buildings are provided with LED lights,  |
|      | <b>3. Waste management:</b>   |  |
| i.   | Dredged material shall be disposed safely in the designated areas.  | <b>Noted.</b><br>Dredged material shall be used for reclamation of low lying areas and the remaining material shall be disposed off in the designated disposal site beyond - 20m contour identified by NIOT,   |
| ii.  | 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.   | <b>Noted.</b><br>The study on shoreline changes due to dumping of dredged material shall be monitored during stockpiling of 2 million m.cum dredged material on the north of north breakwater. The report shall be submitted along with six monthly monitoring report.   |
| iii. | 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. | <b>Noted and being complied.</b><br>Port has existing 300 KLD STP (Phase I & II) & in Phase III 300 KLD STP + 40 KLD is under progress to treat waste water from domestic usage, the treated effluent conforms to the standards laid by CPCB and the solid waste generated in the Port is collected, segregated, stored and disposed as per the Solid Waste Management Rules, 2016 and Environment (Protection) Act, 1986. |
| iv.  | The solid wastes shall be managed and disposed as per the norms of the Solid Waste Management Rules, 2016.  | <b>Noted and being complied.</b><br>Solid waste generated in the Port and in the construction site is collected, segregated, stored and disposed as per the Solid Waste Management Rules, 2016 and Environment (Protection) Act, 1986.   |
| v.   | 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.  | <b>Noted.</b><br>Construction waste shall be used for levelling and site development works, no demolition works, all the waste generated from Construction and Demolition works will conform to the Construction and Demolition Waste Management Rules, 2016.  |
| vi.  | 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.   | <b>Noted.</b>  |

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| vii.                      | 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.   | <b>Noted.</b><br>Port replaced all the CFLs and TFLs with LED lights. Used CFLs and TFLs if any, will be disposed off for recycling as per the rules of the regulatory authority.  |
| viii.                     | 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. | <b>Noted.</b><br>Port has existing Oil Spill Contingency Plan in place for the existing and proposed project. Port has Tier-I Oil Spill response equipment for recovery of oil spill in coordination with ICG, Krishnapatnam and follows the guidelines given in MARPOL and Shipping Acts.                                 |
| <b>4. Green Belt:</b>     |   |  |
| i.                        | Green belt shall be developed in area as provided in project details with a native tree species in accordance with CPCB guidelines.   | <b>Noted.</b><br>A total of 191.5 Ha. greenbelt has been developed so far in the Port as part of Phase-I & II development with native species. In Phase-III, it is proposed to develop 120 Ha. greenbelt along the Port boundary and around the coal storage areas with native species in accordance with CPCB guidelines. |
| ii.                       | Top soil shall be separately stored and used in the development of green belt.  | <b>Noted and being complied</b>  |
| <b>5. Marine Ecology:</b> |   |  |
| i.                        | The dredging schedule shall be so planned that the turbidity developed is dispersed soon enough to prevent any stress on the fish population.   | <b>Noted.</b><br>Dredging is planned in phased manner so that the turbidity developed will get dispersed preventing stress on fish population.   |
| ii.                       | 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.   | <b>Noted.</b><br>Dredging works for construction of liquid jetty at the lee side of the North breakwater has been started after obtaining CFE from APPCB vide their letter dated 25.02.2021. The impact of dredging activities will be monitored by engaging NIOT as scientific body.                                      |
| iii.                      | 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   | Being complied<br><br>Monitoring of Marine water quality, Marine sediment quality, Surface Water Quality and ground water quality at regular intervals.  |

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|      | <p>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.</p> |  |
| iv.  | <p>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.</p>   | <p>Being complied</p> <p>Monitoring of Marine water quality, Marine sediment quality, Surface Water Quality and ground water quality at regular intervals.</p>   |
| v.   | <p>The project proponent shall ensure that water traffic does not impact the aquatic wildlife sanctuaries that fall along the stretch of the river.</p>   | <p><b>Noted.</b><br/>There are no aquatic wildlife sanctuaries in the vicinity of the Port. However, it is ensured that the water traffic does not impact the marine ecosystem.</p>  |
|      | <p><b>6. Public hearing and human health issues:</b></p>  |  |
| i.   | <p>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.</p>   | <p><b>Noted.</b><br/>International standard for Occupational health and safety will be maintained in the work space to prevent any undesirable environmental pollutants.</p>   |
| ii.  | <p>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.</p>   | <p><b>Noted.</b><br/>Adani Krishnapatnam Port strictly enforcing all the workers, employees, stakeholders to wear PPEs in the operational areas.</p>   |
| iii. | <p>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</p>  | <p><b>Complied</b><br/>All the employees, workers &amp; contractors are given daily tool box talks, monthly review meetings with employees engaged in various activities of the Port. Port implemented and monitoring all standard</p> |

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|                                       | 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.  | safety and occupational hazard measures to prevent untoward incidents.  |
| iv.                                   | Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.   | <b>Being complied</b><br>Port has developed Emergency Preparedness Plan and Disaster Management Plan for the existing facilities. For Phase-III, Emergency Preparedness Plan and DMP will be prepared and implemented as per the proposed facilities. |
| v.                                    | 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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.  | <b>Being Complied</b><br>The construction workers are provided with temporary housing structures with necessary infrastructure and medical health care.   |
| vi.                                   | Occupational health surveillance of the workers shall be done on a regular basis.  | <b>Noted and being complied.</b>  |
| <b>7. Environment Responsibility:</b> |  |   |
| i.                                    | 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. | <b>Noted and being complied.</b>  |
| ii.                                   | 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   | <b>complied.</b><br>Adani Krishnapatnam Port has formed Environment Cell headed by Associate GM reports to Chief Executive Officer (CEO) and Environment cell with qualified  |

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|      | Executive, who will directly report to the head of the organization.   | personnel formed at corporate level as well.   |
| iii. | 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. | <b>Being Complied</b>  |
| iv.  | Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.<br><b>8. Miscellaneous:</b>  | <b>Being Complied</b>  |
| i.   | 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.  | <b>Complied</b><br>Advertisement was published in District Newspapers namely "Vartha" in local language & "The New Indian Express" in English dated 21.01.2021.  |
| ii.  | 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.   | <b>Complied.</b><br>A copy of the Environmental clearance is submitted to the District Collector vide our letter dated 03.02.2021 and local panchayats vide letter dated 01.02.2021.   |
| iii. | 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.   | <b>Noted and being complied.</b><br>The status of compliance of the stipulated Environment Clearance conditions along with six monthly monitoring report will be uploaded up on submission of the same to the Regional office, MoEF&CC, Vijayawada.. |
| iv.  | The project proponent shall submit six-monthly reports on the status of the  | <b>Noted and being complied</b>  |

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|       | compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.  |  |
| v.    | 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. | <b>Complied.</b><br>Report for the previous year (FY 2020-21) was submitted to the APPCB vide letter No. AKPL/MIS(A)-APPCB/EHS/161-2021 dated 24.09.2021.  |
| vi.   | 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.                    | <b>Complied.</b><br>As per the directions and sign board format of APPCB, a sign board is placed at the main gate of the company. Regularly sign board is being updated with details of effluent discharge quality, air emission levels and CFO order no. & its validity of CFO. |
| vii.  | 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.         | <b>Noted.</b><br>The project is being funded in-house. Obtained CFE for Phase-III expansion vide their letter no. 633/APPCB/CFE/RO-NLR/HO/2010 dated 25.02.2021.   |
| viii. | The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.   | <b>Noted</b>   |
| ix.   | 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.  | <b>Agreed.</b><br>Public hearing exempted for the Phase-III expansion project. All the recommendations by the EAC committee, EIA/EMP shall be implemented.   |
| x.    | No further expansion or modifications in the port area shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).   | <b>Noted</b>   |
| xi.   | 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.   | <b>Noted</b>   |

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| xii.  | The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.   | <b>Noted</b>   |
| xiii.   | The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.   | <b>Noted</b>   |
| xiv.  | 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.   | <b>Noted</b>   |
| xv.   | 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. | <b>Noted</b>   |
| xvi.  | 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.  | <b>Noted</b>   |
| <b>APCZMA – NOC vide letter no.202/CRZ/IND/2019-30 dated 21.05.2020</b> |   |  |
| <b>Part A: Specific Conditions:</b>                                     |   |  |
| i   | The project proponent shall comply with all the conditions stipulated in the Environment & CRZ clearances, CFEs, CFOs issued to M/s. KPCL Phase-I and Phase-II projects in this Phase-III project also  | <b>Noted and being complied.</b><br>Krishnapatnam Port strictly complies to all the conditions stipulated in the EC, CFE & CFO of both Phase-I & II projects and continue to comply the same for the Phase-III expansion project also. |
| ii  | The proposed constructions shall conform to the norms prescribed in CRZ notification issued by the Ministry of Environment and Forests, Government of India as per S. No. 19€, dated 06.01.2011.  | <b>Noted.</b><br>All the construction activities will be carried out as per the CRZ notification, 2011.  |

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| iii  | No activity on ground shall be undertaken without obtaining Environmental clearance from Ministry of Environment and Forests, Government of India as per S. No. 19(E), dated 06.01.2011.  | <b>Noted</b><br>MoEF&CC granted Environmental & CRZ clearance vide their letter no. 10-18/2016-IA.III dated 11.01.2021. Obtained CFE for Phase-III expansion vide their letter no. 633/APPCB/CFE/RO-NLR/HO/2010 dated 25.02.2021. Dredging works initiated for constructing Liquid jetty at the Lee side of the North breakwater. |
| iv   | Continuous monitoring of circulation of seawater shall be carried out every six months by engaging a reputed agencies like NIOT. The port shall undertake the study of multi sensor, multi date data to study the sedimentation studies in the inner harbour channel in addition to the in-house studies undertaken as part of regular monitoring of sedimentation in the harbour channel. The monthly reports shall be submitted to APPCB. | <b>Being complied</b>   |
| v    | Study on marine biodiversity by engaging a reputed organization/ university having a proven expertise in the relevant field shall be taken up. Similar monitoring mechanism shall be developed for monitoring terrestrial part to determine the impacts.  | <b>Being Complied</b><br>Monitoring of Marine water quality, Marine sediment quality, Surface Water Quality and ground water quality at regular intervals   |
| vi   | The Port authorities shall continue to nourish the beaches located on the north side of the North breakwaters within the port limits, which are vulnerable to sea erosion during the monsoon season and also during cyclone.  | <b>Noted.</b><br>Dredging works for construction of liquid jetty at the lee side of the North breakwater has been started after obtaining CFE from APPCB vide their letter dated 25.02.2021. Beach nourishment with dredged material shall be carried out in Phased manner.   |
| vii  | The Port shall also undertake the scientific studies by engaging reputed agencies like National Institute of Ocean Technology (NIOT) and Indian Institute of Technology, Chennai to study the feasibility of constructing submerged breakwaters to protect the beach road from seasonal erosion and also during cyclones.   | <b>Noted.</b><br>undertaken the scientific studies by engaging reputed agency in regular interval.  |
| viii | The applicant shall ensure that continuous monitoring systems of all likely affected parameters including air/fish/flora/fauna/water quality/waste water discharges/solid waste disposal/construction material disposal etc., are installed and reports shared with the National Institute of   | <b>Noted.</b><br>Port engaged NABL accredited and MoEF&CC approved Environmental monitoring laboratory to monitor Environmental parameters: Ambient Air quality, Noise quality, Water, Marine water, Marine sediment, ground water, soil, STP water quality and DG set  |



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|      | Oceanography (NIO) on continuous basis and a monthly report submitted to the APPCB by the NIO, all through construction period and at least for one year after commencement of operations.   | emission quality are being monitored regularly and the analysis reports are submitted to APPCB. Since Phase-III expansion is being developed in the existing Port area, the parameters will be revised if required and submitted to APPCB & NIO. |
| ix   | A team of APPCB scientists and environmental engineers shall be kept continuously informed and apprised of the project by the applicant, so that environmental mitigation measures are adopted on a continuous basis.                | <b>Noted</b>   |
| x    | The project proponent while executing this project shall not disturb any of the ecologically sensitive areas like mangroves, sand heaps, sand dunes etc.   | <b>Noted.</b><br>No mangroves shall be destructed during construction activities of Phase-III.   |
| xi   | No construction shall be taken in the No Development Zone. However if any permitted activity is to be taken up, the proponent may apply to the competent authority separately. Permanent structures shall be avoided in this zone.   | <b>Noted.</b><br>All the construction work shall be carried out in the notified port limit. Port is permitted for NDZ area as per the approved plan.   |
| xii  | Priority to be given to the maintenance of storm water drains from the surrounding area to prevent possible flooding of the surrounding areas.   | <b>Noted.</b><br>Port started dredging works for constructing Liquid jetty at the Lee side of the North breakwater. Proper storm water drain system is planned for the construction area to prevent flooding.                                    |
| xiii | Mechanization of Port operations shall be taken up to improve the air quality in the bowl area. SPM and RSPM levels to be maintained within the standards stipulated by the APPCB/CPCB.  | <b>Noted.</b><br>Mechanized port operation is proposed in the Phase-III expansion.   |
| xiv  | Raising and maintenance of greenbelt within and outside the port area to be taken up on priority and necessary assistance shall be extended to the local agencies involved in the implementation of afforestation programme.         | <b>Noted</b><br>Shoreline plantation with native species like casuarina trees are carried out as part of 100m boundary plantation.   |
| xv   | The project proponent shall submit the half yearly compliance reports of CRZ clearance duly audited by the accredited consultants on the degree of compliance by the project proponent during and after construction of the project. | <b>Noted</b>   |
| xvi  | Dredged material shall be utilized for nourishment of beaches.   | <b>Noted.</b><br>Dredging works for construction of liquid jetty at the lee side of the North breakwater has been started after obtaining CFE from APPCB vide their letter dated 25.02.2021. Beach   |

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|       |   | nourishment with dredged material shall be carried out in Phased manner.  |
| xvii  | Full cooperation shall be extended to all inspecting authorities/organizations such as APPCB, MoEF&CC, CPCB and local Environment Protection Organizations.   | <b>Noted</b>  |
| xviii | A team of APPCB scientists and environmental engineers shall be kept continuously informed and apprised of the project by the applicant, so that environmental mitigation measures are adopted on a continuous basis.                         | <b>Noted</b>  |
| xix   | The project activity shall be carried out strictly as per the provisions of CRZ Notification, 2011, and shall not affect the coastal ecology of the area including flora and fauna.   | <b>Noted.</b><br>All the construction activities shall be carried out as per the CRZ notification, 2011 without affecting the coastal ecology of the area.            |
| xx    | The project proponent shall ensure that there is no destruction of mangroves during the construction as well as the operation phase of the project.   | <b>Noted.</b><br>No mangroves shall be destructed in Phase-III expansion works both during construction and operation phase.  |
| xxi   | There shall be no dressing or alteration of the sand dunes and natural features, including landscape changes for beautification, recreation and other such purpose.   | <b>Noted</b>  |
| xxii  | All conditions/recommendations stipulated by other statutory authorities shall strictly be complied with, as may be applicable.   | <b>Noted</b>  |
| xxiii | The project proponent shall obtain all necessary clearances/permissions from the concerned authorities as applicable.   | <b>Noted.</b><br>Obtained Petroleum Explosive License from PESO for construction and handling of liquid cargo dated 18.01.2021.                                       |
| xxiv  | 'Consent for Establishment' and CFO as may be applicable, shall be obtained from State Pollution Control Board under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.   | <b>Noted</b><br>Obtained CFE for Phase-III expansion vide their letter no. 633/APPCB/CFE/RO-NLR/HO/2010 dated 25.02.2021.   |
| xxv   | All waste (liquid and solid) arising from the proposed development will be disposed of as per the norms prescribed by State Pollution Control Board. There shall not be any disposal of untreated effluent into the sea/coastal water bodies. | <b>Noted.</b><br>All the solid waste generated from the construction area are being collected, segregated and disposed as per the Solid Waste Management Rules, 2016. |
| xxvi  | No permanent labour camp, machinery and material storage shall be allowed in CRZ area.  | <b>Noted.</b>   |

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|                                   |  | Temporary shelter for labours and material storage are provided in CRZ area, only during construction phase.   |
| xxvii                             | There shall no groundwater withdrawal within CRZ without prior approval of the State Groundwater Authority.  | <b>Noted.</b><br>Port is not withdrawing groundwater in the CRZ area.  |
| xxvii<br>i                        | Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.  | <b>Noted.</b><br>Dredging works for construction of liquid jetty at the lee side of the North breakwater has been started. The dredged material will be used for reclamation of low lying land and beach nourishment at north of north breakwater as shoreline protection. |
| <b>Part B: General Conditions</b> |  |  |
| i.                                | A copy of the clearance letter shall also be displayed on the website of the AP Pollution Control Board. The clearance letter shall also be displayed at the AP Pollution Control Board Regional Office, District Industries centre and District Collector office/Mandal Revenue Office for 30 days.   | <b>Complied.</b><br>A copy of the Environmental clearance is submitted to the Environmental Engineer, APPCB Regional office vide our letter dated 12.01.2021, the District Collector vide our letter dated 03.02.2021 and local panchayats vide letter dated 01.02.2021.   |
| i.                                | The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the Andhra Pradesh Coastal Zone Management Authority (APCZMA) and AP Pollution control Board Regional office.  | <b>Noted</b>   |
| ii.                               | Concealing factual data by the project proponent, any officer behalf of the project proponent and consultants hired by the project proponent or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986. | <b>Noted</b>   |
| iii.                              | The above stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability (insurance) Act, 1991, the EIA Notification, 2006 and the CRZ Notification, 2011.                               | <b>Noted.</b>  |

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| iv.   | Full co-operation shall be extended to the officials from the APCZMA, APPCB and Regional office of MoEF&CC, during monitoring of implementation of environmental safeguards stipulated. It shall be ensured that documents/data sought pertinent is made available to the monitoring team. A complete set of all the documents submitted to APCZMA shall be forwarded to the AP Pollution Control Board Regional office.  | <b>Noted</b>   |
| v.    | In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by the APCZMA.  | <b>Noted</b>   |
| vi.   | The APCZMA reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance 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.   | <b>Noted</b>   |
| vii.  | All other statutory clearances shall be obtained, as applicable by project proponents from the respective competent authorities.  | <b>Noted.</b>  |
| viii. | The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded CRZ clearance and copies of clearance letters are available with the AP Pollution Control Board and may also be seen on the website of APCZMA. The advertisement should be made within seven days from the date of receipt of the clearance letter and a copy of the same should be forwarded to the AP Pollution Control Board Regional office. | <b>Complied</b><br>Advertisement was published in District Newspapers namely "Vartha" & "The New Indian Express" dated 21.01.2021.   |
| ix.   | This clearance is subject to any order passed by any Hon'ble Courts, as may be applicable to this project.  | <b>Noted</b>   |
| x.    | A copy of the clearance letter shall be sent by the proponent to concerned panchayat, Zilla Parisad/Municipal corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also  | <b>Complied.</b><br>A copy of the Environmental clearance is submitted to the Environmental Engineer, APPCB Regional office vide our letter dated 12.01.2021, the District Collector vide our letter dated 03.02.2021 and local panchayats vide letter dated 01.02.2021. |

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|      | be put on the website of the company by the proponent.  | The Environment & CRZ clearance letter is displayed in the Port website.  |
| xi.  | The proponent shall upload the status of compliance of the stipulated conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the AP Pollution Control Board Regional office and, the concerned District Collector and the APPCB.   | <b>Noted.</b><br>The status of compliance of the stipulated Environment Clearance conditions along with six monthly monitoring report will be uploaded in the website of the company up on submission of the same to the Regional office, MoEF&CC, Vijayawada, APPCB, Regional office.  |
| xii. | The environmental statement for each financial year ending 31 <sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the Andhra Pradesh Pollution Control Board as prescribed under the Environmental (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of clearance conditions and shall also be sent to the AP Pollution Control Board regional office, APCZMA and APPCB by email. | <b>Complied.</b><br>Report for the previous year (FY 2020-21) was submitted to the APPCB vide letter No. AKPL/MIS(A)-APPCB/EHS/161-2021 dated 24.09.2021. The same is being uploaded in the company's website time to time along with the status of compliance of clearance conditions. |