

Adani Krishnapatnam Port Limited

## **FORM-V ENVIRONMENTAL STATEMENT**

### **FORM-V**

**(See Rule – 14)**

The Ministry of Environment & Forest vide its notification dated 13<sup>th</sup> March, 1992 directed all industries which need to have consent under Water (Prevention & Control of Pollution) 1974 and Air (Prevention & Control of Pollution) 1981 to file the Environmental statement every year. This is to be filed for the period ending March by September 30<sup>th</sup> every year. The format for the same is as follows:

1. Environmental Audit Report for the financial year ending the 31<sup>st</sup> March 2021.

### **PART – A**

- (i). Name and address of the owner : **M/s. Adani Krishnapatnam Port Limited**  
/ occupier of the industry, **Post Box No. 1, Krishnapatnam Village**  
operation or process. **Muthukur Mandal**

**Sri Potti Sri Ramulu Nellore District**

**Andhra Pradesh**

**Pin: 524 344**

- (ii). Production capacity :

- **Approved cargo handling capacity of infrastructure so far developed i.e., as per the CFO dated 29.07.2018 and its amendment dated 10.02.2020 is 68 MTPA of various types of cargo plus 2.0 MTEUs PA of container cargo.**

- **Approved Cargo Handling Capacity of Phase-III development as per EC & CFE accorded is 150.2 MTPA of various cargo plus and 1.1 MTEUs PA of Container cargo. Phase -III Construction under progress.**

- (iii). Year of establishment : **2004**

- (iv). Date of the last environmental Statement submitted : **25.09.2020**

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### **PART - B**

#### **WATER AND RAW-MATERIAL CONSUMPTION**

- i). **WATER Consumption**
- |  |              |
|--|--------------|
| Dust suppression                         | : 940 KL/Day |
| Gardening & Irrigation                   | : 385 KL/Day |
| Domestic                                 | : 379 KL/Day |
| Miscellaneous (Fire Protection Services) | : 450 KL/Day |

**Total consumption : 2154 KL/Day**

Name of the product	Water consumption per unit of product	
	Previous Fin. Year 2019-20	Current Fin. Year 2020-21
<b>Not Applicable</b>	<b>Not Applicable</b>	<b>Not Applicable</b>

- ii) **RAW-MATERIAL CONSUMPTION**

Name of Raw-Material	Name of Products	Consumption of Raw Material Per unit of output	
		Previous Fin. Year 2019-20	Current Fin. Year 2020-21
<b>Not Applicable</b>	<b>Not Applicable</b>	<b>Not Applicable</b>	<b>Not Applicable</b>
<b>Cargo Handling at Krishnapatnam Port</b>		<b>38.89 MT of non-container cargo + 0.54 MTEUs of Container cargo</b>	<b>32.66 MT of non-container cargo + 0.335 MTEUs of Container cargo</b>

**Cargo being handled through Adani Krishnapatnam Port Ltd comprise of Coal, Iron ore, General Cargo (Fertilizers, Food grains, Granite, Wind blades, Barites, Bentonite, Feldspar, Edible Oil, Project cargo, Clinker, Gypsum, Steel Coil, Steel Rebars, Cement etc.,) and Containers.**

Polluting Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw material used.

### PART – C

#### **DISCHARGE TO ENVIRONMENT /UNIT OF OUTPUT SPECIFIED IF THE CONSENT ISSUED**

*(Parameters as specified in the Consent issued)*

Pollutants	Quantity of pollution generated	Percentage of variation from prescribed standards with reasons
a) Water	<b>241 KLD Treated effluent of STP used for plantation and dust suppression purposes</b>	<b>Nil</b>
b) Air	<b>Not Applicable</b>	<b>Not Applicable</b>

### PART – D

#### **HAZARDOUS WASTES**

*(as specified under Hazardous Wastes Management and Handling Rules 1989)*

Hazardous Wastes	Total Quantity (Kg)	
	Previous Financial Year 2019-20	Current Financial Year 2020-21
a) From Process	<b>Not Applicable</b>	<b>Not Applicable</b>
b) From Pollution control facilities	<b>Not Applicable</b>	<b>Not Applicable</b>
c) Waste Oil	<b>1,09,090 Liters</b>	<b>20,135 Liters</b>

### PART - E

#### **SOLID WASTES**

Solid Wastes	Total Quantity (Kg)	
	Previous Financial Year 2019-20	Current Financial Year 2020-21
a) From Process	<b>Not Applicable</b>	<b>Not Applicable</b>
b) From Pollution control facilities	<b>Not Applicable</b>	<b>Not Applicable</b>
c) (1) Quantity recycled or reutilizes within the unit.	<b>Not Applicable</b>	<b>Not Applicable</b>
(2) Solid	<b>Not Applicable</b>	<b>Not Applicable</b>

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(3) Disposed	<b>Composting of biodegradable wastes and the compost is used as manure for greenbelt development.</b>	<b>Composting of biodegradable wastes and the compost is used as manure for greenbelt development.</b>
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#### **PART - F**

Please specify the characterization (*in terms of composition and quantum*) of hazardous as well as solid wastes and indicate disposal practice adopted for both the categories of wastes.

- 1. Composting is developed for biodegradable wastes (food wastes) and the compost is used for Green belt development within the port premises.**
- 2. Non – Biodegradable solid waste, metal scrap, plastics etc., disposed to scrap buyers/ authorized agencies.**
- 3. Hazardous wastes (Waste oil / used oil) is being disposed through APPCB authorized preprocessors / recyclers.**
- 4. Lead acid batteries are being purchased on buy back basis and/or disposed through APPCB approved agencies.**

#### **PART – G**

Impacts of the pollution abatement measures taken up on conservation of natural resources and on the cost of production.

**The Environmental parameters viz., Ambient Air Quality, Ambient Noise, Marine Water Quality, Marine Sediment Quality, Surface water quality, Ground Water and Soil Quality in the periphery of the port are being monitored through an agency accredited to NABL and approved by MoEF&CC. Three CAAQM Stations established in the port and same are connected to APPCB website. Results of monitoring are within the statutory norms and periodical Monitoring Reports are being regularly submitted to the authorities. Periodical Reports of Compliance of Conditions of EC, CFE and CFO as well as progress of implementation of directions issued by the authorities from time to time are also being submitted regularly to the authorities.**



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**Following pollution control measures are being implemented at the Port:**

- i. Deploying 8 Nos. of heavy-duty Atomized mist sprayers.
- ii. Installation and operation of Mechanical Dust Suppression System with 248 Nos., fixed and portable sprinklers at coal yards and wagon loading areas.
- iii. Deploying 15 Nos. of Truck mounted (mobile) sprinklers for roads and transit areas.
- iv. Developed paved roads and deployed vacuum road sweeping machines.
- v. Developed warehouses for fertilizers, food grains and agri products: Handling fertilizers in closed warehouses.
- vi. Conveyors have been covered with hood and Dust suppression system for transfer points have been commissioned and are operational.
- vii. Wagon Loading Station (WLS) has been commissioned along with 02 Nos. stacker reclaimer for dust free cargo loading.
- viii. Developed Drains, Collection Pits and Guard Ponds for runoff from coal stack yards with facility to recycle runoff water for dust suppression.
- ix. Developed 300 KLD STP and the treated water from STP is being used for plantation and dust suppression.
- x. Developed truck wash areas with collection pits baffle wall system and treated water is being used for dust suppression.
- xi. Developed wind screen towards habitants to control dust.

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- xii. Trucks and railway wagons transporting coal etc., destined to hinterland are being covered with tarpaulins.
- xiii. Developing Greenbelt along boundary of port and around stockpiles. 191.5 Ha of greenbelt has already been developed in port area.
- xiv. Existing Mangroves in the port area are being protected by fencing, providing suitable display boards, and ensuring tidal exchange by constructing pipe culvert.
- xv. As stipulated, 50 Ha of mangroves were developed in the identified area in the port.
- xvi. Developed 12 Nos. rainwater harvesting ponds.
- xvii. Trained Senior Level executives on “In-House capacity building in environmental aspects” (Short term and Long term) by experts from ASCI. Also deputing officials to attend trainings conducted by ESCI, CII etc.
- xviii. Developed Environmental Cell with qualified personnel under the Chief Operating Officer of the port.
- xix. Regular review of implementation of EMP and environmental aspects is being undertaken regularly at the highest level.

#### **PART – H**

Additional measures / investment proposal for environmental protection including abatement of pollution, prevention of pollution.

- i. Augmentation of mechanized dust suppression with additional fixed/portable sprinklers and heavy-duty atomized mist sprayers.
- ii. Mechanization of cargo handling with in-built dust suppression measures is in progress.

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- iii. Tidal exchange to the mangrove areas is maintained by constructing suitable culverts.

### **PART – I**

Any other particulars for improving the quality of the environment.

- i. The Adani Krishnapatnam Port Ltd is Accredited to International Management systems
- a. ISO 9001:2015 Quality Management Systems,
  - b. ISO 14001:2015 Environmental Management Systems,
  - c. ISO 45001:20018 Occupational Health and Safety Management Systems,
  - d. ISO 28000:2007 Supply of Chain Security Management Systems.
  - e. ISPS – International Ship and Port facility Security
  - f. SUP- Single Use Plastics Free Certificate
- ii. Adani Krishnapatnam Port Ltd is bestowed with the top honors and a few are mentioned here under:
- Container Handling Terminal of the Year – 10th South East conclave & Awards 2018.
  - “5 star” Rating Award for excellence in EHS practices by CII – SR EHS Excellence awards 2017.
  - “First place” in Construction / Infrastructure / Power CII – SR EHS Excellence Award–2017.
- iii. PUC certificates are insisted for vehicles and random checks are also being carried out.
- iv. Disaster Management Plan, Oil Spill Contingency Plan, On-Site Emergency Plan, Fire Contingency plans have been prepared, submitted to concerned authorities and are being followed.
- v. Conducting mock drills, safety awareness training programs to all employees and workers periodically and displaying posters, sign boards in the work places wherever necessary.

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- vi. Procured required oil spill control equipment and chemicals and deploying trained staff for “Tier – I” oil spills. Established tie-up with Coast Guard.
- vii. Provided display boards as per the directions of Pollution Control Board at the main gate of the Adani Krishnapatnam Port Limited.
- viii. Established continuous weather monitoring station in the port area for monitoring the meteorological parameters such as wind speed and direction, temperature, and rainfall.
- ix. Established continuous monitoring piezometer for recording ground water level.
- x. Established 03 Nos. Continuous Ambient Air Quality Monitoring stations as per the directions in the CFO and linked the same to APPCB web site.
- xi. Implementing waste management plan in port premises.
- xii. Further Greenbelt development is being continued.
- xiii. Expenditure towards Environmental Protection works undertaken in the port during the year 2020 – 2021 is Rs. 4.14 Crores.

**CSR Activities:**

Adani Krishnapatnam Port Limited is committed to ensure balanced sustainable development in harmony with the surrounding environment. Several socio-economic growth initiatives besides other clean and green measures as part of CSR activities in line with applicable guidelines are being implemented by the Port through CVR foundation to the benefit of local community and the region at large. R&R packages implemented by GoAP for the project affected villages have been augmented by AKPL under CSR activities for improving overall living standards of the villagers around the port catering to Housing, Education, Health and Medical Aid, Cooking gas supply, imparting Vocational Skills, Supply of Fishing gear, Women empowerment etc.,

For Adani Krishnapatnam Port Limited,



29/09/2021

**G Venugopal Reddy**  
Associate GM- EOHS