

MORMUGAO PORT TRUST
TRAFFIC DEPARTMENT

TM/596/2019/ 2211

Date: 05.03.2019

TRADE CIRCULAR 04/ 2019

Sub: Standard Operating Procedure for Handling Dry Bulk (Dusty Cargo) At Berth No.10 & 11

It is imperative for the Port and trade fraternity to emphasis on the pollution control measures during various cargo handling activities taking place inside the Port area and exercise extreme care in handling the dusty cargo by using equipment's available with the Port for pollution control.

In this regard, the following standard operating procedure has been prepared for handling dusty cargo inside the Port.

Sl.	Activity	Action/Resource	Secondary action
A Before the vessel arrival			
1	When the vessel is nominated, the Vessel Agent and the Stevedore have to be advised to ensure availability of proper dust suppression measures. Tarpaulin for laying from the side of the vessel to the berth to avoid spillage into water.	Traffic Dept.	Manager Operations to inform Stevedores during pre-berthing operational meeting.
2	Before the arrival of the vessel Traffic Dept. to inform CME and CE's Dept. about the vessel arrival in order to prepare for the dust suppression equipment at berth and ensure availability of the said equipment.	<ul style="list-style-type: none"> • Manager Operations/ Traffic Dept. • WS/AWS to monitor round the clock and co-ordinate with CE and CME's Dept. 	CME and Environment Engineer from CE's Dept.
3.	Clean the berth (washing if required) and remove all debris	Respective Stevedores	Sr.ATM, ATM(O) and Wharf Supdt. to ensure
B After the arrival of vessel at berth and during the cargo handling operations			
1	Stevedore to lay tarpaulin from the side of the vessel to the berth to avoid spillage into water.	Respective Stevedore	AWS to ensure. WS to supervise. ATM (O) – to monitor.
2	Deployment of dust suppression equipment.	<ul style="list-style-type: none"> • Manager Operations/Sr.ATM/ATM • WS/AWS to monitor round the clock and co-ordinate with CE and CME's Dept. 	CME and Environment Engineer from CE's Dept.
3	Placement of mist canon at the fore and aft of the vessel	<ul style="list-style-type: none"> • CME and CE's Dept. • WS/AWS to monitor round the clock and co-ordinate with CE and CME's Dept. 	Stevedores to inform Manager (Ops)

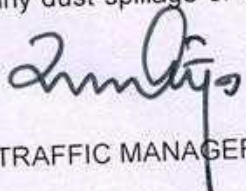
4	Regular sprinkling of water through mist cannons and to intermittently spray mist as and when the dust emanates. Sprinkling of water on the berth and the roads leading to stockyard. Misting the stock yard to contain the dust suspended in the air.	CME and CE's Dept.	Manager Ops/Sr.ATM/ATM Respective Stevedore
5	Vehicles shifting the cargo to stockyard, to move at minimum speed to avoid dust flow. Trucks spilling the cargo to be detained.	Respective Stevedore	AWS to ensure. WS to supervise. Manager Operations – to monitor.
6	HMC or ship cranes to lower the grab as low as possible to drop the cargo at berth/hatch.	Crane Operators	Stevedores to inform Manager (Ops)
7	Stop the operations if environment becomes dusty and beyond control of dust suppressing equipment.	Stevedores/Manager Ops	WS / AWS to direct stevedores
8	Environmental Engineer to continuously monitor the AAQ readings and to advise Traffic Officials to slow down or stop operations, as required, in order to arrest pollution.	CE's Dept./Environment Engineer to inform Traffic Dept. immediately whenever AAQ reading increase.	<ul style="list-style-type: none"> • Manager (Ops) • WS / AWS to direct stevedores
C Post operations/vessel unberthing			
1	Clear the cargo from the berth and after sweeping, wash the berth thoroughly, if required. To ensure that cargo does not flow into open sea.	Stevedores	WS / AWS to instruct Fire station
2	In the stock yard, cover the cargo with tarpaulins and to ensure that the cargo is heaped not above 8m high. To keep the cargo covered at all times, except during delivery/receipt operations.	<ul style="list-style-type: none"> • Stevedores • Asst. Engineer (GCB) to take rounds and inform to Traffic Dept. for any instance. 	<ul style="list-style-type: none"> • Manager (Ops) • WS / AWS to direct stevedores
3	No trucks to leave the port without being securedly covered.	Stevedore	Gate Clerk on duty/CISF
D When berth is idle			
1	Cleaning of berth	Stevedore	<p>AWS/WS to ensure that the berth is clear of all cargo, dunnage, strappings or debris and must get the Stevedore to clean the berth.</p> <p>If the berth is crusted with cargo, the same should be</p>

			got scrapped gently using the pay-loader and washed thereafter. Spreader, pipes, loose gears, etc. must be stacked properly in their designated area. ATM (O), Sr. ATM and Manager (Ops) to monitor in routine.
2	Routine Maintenance	Manager (Ops) and Asst. Exe. Engineer Civil	Officers should take round of the berth, covered sheds and storage yard and check for any damages to fenders, bollards, structures, walls, etc. and get it repaired.

Following port officials can be contacted round the clock for any pollution related incidence:

Resource person	Designation	Department	Telephone/Mobile No.
Shri Deelip N. Halarnkar	Manager (Operation)	Traffic	0832-2594337 8796953261
Shri Basavaraj Budhihal	Sr. Asst. Traffic Manager	Traffic	0832-2594707 9975823230
Shri Vishnu Morudkar	Asst. Traffic Manager	Traffic	0832-2594707 9890860960
Control Room	Wharf Suptd./Asst. Wharf Suptd.	Traffic	0832-2594747 7350002297
Shri Yogiraj Gobre	Environmental Engineer	Civil Engineering	9764924201
Shri Sucoro Silva	Asst. Engineer (GCB)	Civil Engineering	0832-2594637 9923316656
Shri Ramesh S. Shet	Executive Engineer (F)	Mechanical Engineering	0832-2594573 9923243040
Shri Francisco Borges	Asst. Executive Engineer (M)	Mechanical Engineering	0832-2594575 9822130821
Shri P.S. Suresh Kumar	Asst. Executive Engineer (M)	Mechanical Engineering	0832-2594279 9850645542
Shri Rajkeshar Pal R.	Junior Engineer (M)	Mechanical Engineering	9764936061

These are broad guidelines that need to be strictly complied with. However, depending upon the nature of cargo, immediate action need to be taken to arrest any dust spillage or event causing pollution.


05 March '19
TRAFFIC MANAGER

To
The President of Stevedores Association

Copy to:

1. CE: with a request to kindly instruct your officials to associate with Manager (Ops) for taking pollution control measures.
2. CME: with a request to kindly arrange to provide the required equipment's.
3. Manager (Operations): With a direction to take rounds of the operational area and ensure that there are no incidence of pollution. Seek help of CE & CME whenever require to arrest pollution. Sr. ATM & ATM must routinely take rounds of the operational area. Operational instruction may be given to the AWS and WS on duty assigning pacific task to them.
4. Environmental engineer, CE's Dept.: to visit wharf operational area and advice the Traffic, CE & CME's official for necessary corrective action to contain pollution.

Copy for kind information to:

1. Chairman's office.
2. Dy. Chairman's office.
3. Hindi section for translation.
4. Website.