

मुरगांव पत्तन न्यास
MORMUGAO PORT TRUST
इंजीनियरी (यांत्रिक) विभाग
MECHANICAL ENGINEERING DEPARTMENT

CME/SO/DS(28)/INV-REP/1843

12.11.2020

In order to have a check on the operation of Cranes in Port area, the following SOP attached herewith as Annexure-I is formulated, to prevent any untoward incidents/accidents during crane operations.

All Sections/Departments are directed to strictly comply with the SOP for all Crane operations in Port area.



(S. Vishvanathan)
Chief Mechanical Engineer (i/c)

Encl : As above.

To,
All HODs

- c.c. : 1. Chairman's office/Dy. Chairman's office.
2. Asst. Director, Dock Safety, IDS, Mormugao
3. SE(M)/SE(P)/CME/MPT
4. MPT Website/IT Cell/FA&CAO
5. Hindi Section/GAD..... for translation

STANDARD OPERATING PROCEDURE (SOP) FOR OPERATING AND MONITORING OF CRANES.

1. The site conditions should be assessed by a competent site-in-charge/ Supervisor/Foreman to identify all the hazards present alongwith the associated risks, before the crane is put into operation.
2. Crane movement areas are to be assessed to ensure they are clear of personnel and other obstruction and hazards.
3. No cargo operations should be carried out in rough weather conditions like heavy rains, strong winds, fog/mist etc. The weather conditions should be ideal to avoid unwanted swings of lifted load.
4. The Crane should be started, positioned and operated in accordance with manufacturer's guidelines. Also all safety warning devices of crane like horn, reverse lights, back lights, headlights shall be in working condition.
5. The Crane should not be used to lift load more than the Safe Working Load (SWL). The Crane load chart have to be strictly followed for determining the gross lifting capacity of the crane/jib taking into consideration boom length, boom angle and the operating radius.
6. The slings/spreader used for lifting should be of adequate load bearing capacity, safe and thoroughly checked by a competent person for any defects and wear & tear.
7. Periodical Load testing and annual thorough examination of the cranes and their loose gears are carried out as per the Dock safety rules.
8. The Crane Operator and Signallers should be trained, experienced and competent and aware of all the hazards and risk associated with the operation.
9. Workers must not place themselves in a hazardous position between a swinging load and a fixed object or remain inside the railway wagon, inside/underneath the load in the ship's hatch or any other enclosed area.
10. The Workers should strictly wear Personal Protective Equipment (PPE) such as safety helmets, safety shoes, reflective jackets, hand gloves, face mask, etc. all the time while at work.
11. No person should stand below the suspended load.
12. Life vest/life buoy should be provided in operator's cabin for use in case of emergencies.
13. Workers should be familiarized with basic first-aid procedures and all the emergency numbers to act promptly in the event of any accidents/incident.
14. Any dangerous occurrence should be brought to the notice of concerned authority for necessary action.
15. The work should not be carried out in haste and short cuts should be avoided.


12/11/20