



भारतीय तटरक्षक/INDIAN COAST GUARD

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EP/0720/Circular

01 May 2015

Chairman NOSDCP Circular No: 03/2015

Subject: Online Oil Spill Advisory - Stakeholder registration and table top exercise

1. By a decision of Committee of Secretaries on 04 November 1993 and further, by amendment to Allocation of Business Rules, 1961 vide notification dated 12 December 2002, the Indian Coast Guard has been designated as the Central Coordinating Authority for combating of oil spills in Indian waters.
2. As per the National Oil Spill Disaster Contingency Plan 2015, the Indian National Centre for Ocean Information Services (INCOIS), Hyderabad will provide ocean state forecast and software based prediction of the trajectory of spilled oil in the event of a contingency.
3. An Online Oil Spill Advisory (OOSA) system has been developed by INCOIS for use by the Indian Coast Guard and other statutory authorities and combat agencies involved in oil spill cleanup and control measures in the event of oil spill. On submission of necessary information like location of the spill, date, time, pollutant type and its quantity, the trajectory prediction set up is triggered in the background, along with the forecasted forcing parameters such as wind and currents. OOSA integrates high resolution current and immediately delivers the trajectory prediction of the spilled oil for the next forty-eight to ninety hours, thereby enabling planning of cleanup activity. The system provides trajectory prediction for both, continuous and instantaneous spills. Stakeholders to the national plan can register as a user and access OOSA at <http://www.incois.gov.in/portal/osf/osf.jsp#> or, <http://115.113.76.60/OilSpill/Login.jsp>.
4. It is recognized that registration of all concerned and their adequate familiarization with the OOSA software is an immediate next step in enhancing preparedness and ensuring proficient use of the software in the event of any oil spill contingency. Persons in charge of ports and oil installations are, therefore, urged as follows:
 - (a) to register their facilities as OOSA users at the earliest;
 - (b) to encourage concerned personnel at the facility to gain proficiency in the use of OOSA;
 - (c) to run, once each month, from May 2015 - April 2016, the scenarios (specified at Annexure), as part of a country-wide desk-top exercise, and forward the OOSA trajectory prediction screen-shots to the Coast Guard Headquarters at dte-fe@indiancoastguard.nic.in; and
 - (d) to encourage senior management to personally witness the running of the spill scenarios, particularly on the first few occasions.
5. This is issued with the approval of the Director General Indian Coast Guard.

(AA Hebbbar)
Dy Inspector General
Director (Environment)

Annexure: as above

Annexure to NOSDCP Circular No. 03/2015

Oil Spill Scenarios

The following sixteen oil spill scenarios will be run, once each month, from May 2015 - June 2016, as part of a country-wide desk-top exercise, and the trajectory prediction screen-shots forwarded to the Coast Guard Headquarters at dte-fe@indiancoastguard.nic.in by the 5th of the following month.

Scenario	Spill Information Setting
1	Type of Spill: instantaneous; Spill location: jetty/ terminal/ SPM; Run duration : 4 hrs; Pollutants: Medium Crude; Quantity Released: 700 tons
2	Type of Spill: instantaneous; Spill location: jetty/ terminal/ SPM; Run duration : 4 hrs; Pollutants: IFO; Quantity Released: 700 tons
3	Type of Spill: instantaneous; Spill location: jetty/ terminal/ SPM; Run duration : 12 hrs; Pollutants: Medium Crude; Quantity Released: 700 tons
4	Type of Spill: instantaneous; Spill location: jetty/ terminal/ SPM; Run duration : 12 hrs; Pollutants: IFO; Quantity Released: 700 tons
5	Type of Spill: instantaneous; Spill location: Fairway/ outer harbor/ SPM; Run duration : 36 hrs; Pollutants: Medium Crude; Quantity Released: 700 tons
6	Type of Spill: instantaneous; Spill location: Fairway/ outer harbor/ SPM; Run duration : 36 hrs; Pollutants: IFO; Quantity Released: 700 tons
7	Type of Spill: instantaneous; Spill location: Fairway/ outer harbor/ SPM; Run duration : 90 hrs; Pollutants: Medium Crude; Quantity Released: 700 tons
8	Type of Spill: instantaneous; Spill location: Fairway/ outer harbor/ SPM; Run duration : 90 hrs; Pollutants: IFO; Quantity Released: 700 tons
9	Type of Spill: continuous; Spill location: jetty/ terminal/ SPM; Pollutants: Medium Crude; Quantity Released: 10 tons/hour; End date 116 hrs from Start date & time
10	Type of Spill: continuous; Spill location: jetty/ terminal/ SPM; Pollutants: IFO; Quantity Released: 10 tons/hour; End date 116 hrs from Start date & time

- Note**
- (a) Select Region of Spill- Indian Ocean, Arabian Sea, Bay of Bengal-NE, Bay of Bengal-SE, Indian Ocean-SE, Sundarban Delta, Kakinada Coast, West Coast (Hoofs) as appropriate
 - (b) Select Units as Short tons
 - (c) In respect of oil installations, only scenarios 1, 3, 5, 7 and 9 are required to be run choosing the closest match with oil produced as pollutants and choosing Quantity released as 100 tons /hour

Step-by-Step Procedure for "OOSA" Table-Top Exercise

- Step 1: Create word document with the name of the Company and date of exercise which will be forwarded to the Coast Guard Headquarters with all the relevant outputs. (e.g. MbPT_12 May 15.docx)
- Step 2: Log into OOSA at <http://115.113.76.60/OilSpill/Login.jsp> with e-mail ID and password.
- Step 3:
- (a) After login, select type of spill as appropriate;
 - (b) Region of spill as appropriate;
 - (c) In type of spill continuous, enter data in Start date and End date; or in type of spill instantaneous, enter data in Start date and run duration (hrs);
 - (d) For start position specify latitude and longitude of the jetty, terminal, installation, fairway, outer harbour, SPM as appropriate;
 - (e) Mention pollutants;
 - (f) Select quantity released;
 - (g) Select units as appropriate;
- Step 4: On submitting, "Oil spill trajectory prediction system" will appear. Before proceeding, take a screen shot and save in word document for onward submission.
- Step 5: View output in web map. Take screen shots of the spill trajectory, in small scale and medium scale, and save in word document. Download the output as required. Repeat steps for each scenario and log out.
- Step-6: Forward the soft copy of word document to the Coast Guard Headquarters at dte-fc@indiancoastguard.nic.in.