



#### THE ENERGY OF INDIA

IndianOil is a diversified, integrated energy major with a presence across all streams of oil, gas, petrochemicals, lubricants and alternative energy sources. Operating ten refineries in India, IndianOil is the largest oil refiner in the country, having a combined refining capacity of 80.60 MMTPA.

As a pioneer in setting up oil pipelines in the country, IndianOil manages one of the world's largest oil pipeline networks of over 15,000 KM.

IndianOil also has one of Asia's largest petroleum marketing and distribution networks, with 50,000 marketing touch points. Brand Finance recently adjudged IndianOil as the 7th most favoured Oil & Gas brand globally.

#### MARINE OPERATIONS

IndianOil is a leading energy company offering a range of marine fuels and lubricants at 25 seaports along the 7517 KM coastline of India. IndianOil maintains the highest safety standards, operational integrity and quality compliance across the full range of its marine operations. The bouquet of marine offerings from IndianOil includes Very Low Sulphur Fuel Oil and Gas Oil.

#### ASSURANCE, SAFETY, STANDARDS.

At IndianOil, we do more than just offer compliant fuel that meets the maritime fuel standard. We provide complete guidance on safe transition, compatibility, storage, fuel handling, changeover and more.

#### **NEW ERA. NEW FUEL.**

As a key player in the maritime industry for decades in India, IndianOil has set the benchmark for compliant fuels, highest quality assurance and unbeatable safety standards. Today, IndianOil's 0.5% VLSFO continues this green energy commitment to meet industry obligations under IMO 2020.

#### IMO 2020-VERY LOW SULPHUR FUEL OIL

Transitioning to a cleaner environment

#### IMO 2020

The International Maritime Organization (IMO) has mandated a global 0.5% cap on the maximum level of Sulphur in marine fuel, down from the erstwhile 3.5%. From Jan 1, 2020, vessel operators are using a compliant fuel or have a scrubber fitted if they wish to continue burning high Sulphur fuel oil. This ruling does not affect emission control areas where a 0.10% Sulphur fuel cap will still be required.

#### MARINE FUELS

IndianOil conducted numerous studies at its world-class R & D centre at Faridabad and developed a 0.5% Sulphur fuel oil formulation, with extensive research of carefully chosen very low sulphur refinery streams and produce VLSFO that provides the best fit bunker fuel and addresses the fuel compatibility concerns of ship-owners. IndianOil is offering fuel solutions with a 0.5% as well as 0.1% Sulphur cap.

#### 0.5 % Sulphur Fuel Oil (VLSFO):

IndianOil is supplying VLSFO produced from Low Sulphur. Residue components coming from refining processes. The viscosity of VLSFO in the 220-300 CST range. Specs: ISO 8217:2017 RMG 380

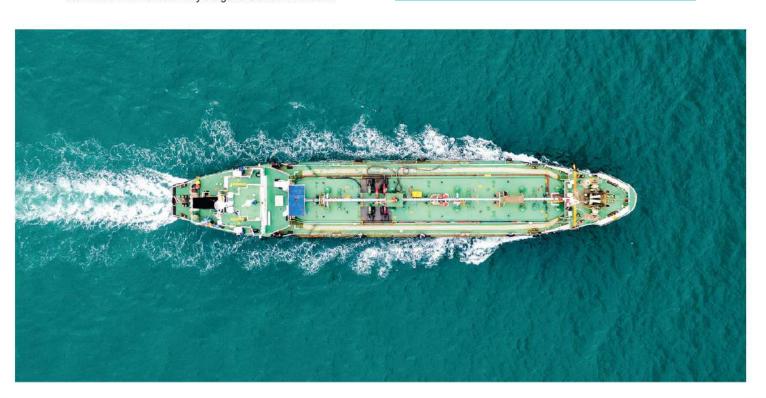
#### 3.5 % Sulphur HSFO:

IndianOil is supplying High Sulphur Fuel Oil (HSFO) at Tuticorin port.

The Kinematic viscosity  $@50^{\circ}\text{C}$  of HSFO is 180 CST Max. Specs: ISO 8217:2017 RMG 180

#### 0.1 % Low Sulphur MGO:

LSMGO (LSHFHSD) is a differentiated grade specifically made for Merchant and Naval vessels' distillate fuel needs. Specs: ISO 8217:2017 DMA & MIL-DTL-16844M



#### **TUTICORIN PORT:**

V. O. Chidambaranar Port authority, Tuticorin is one of the 12 major ports in India. It is the second largest port in Tamil Nadu and has the third largest container terminal in India. It is an all-weather port. Major imports are coal, cement, fertilizers, raw fertilizer materials, and rock phosphate while major exports include general cargo, building materials, liquid cargo, sugar, granite limonite ore etc.

## **Port details:**

Cargo handled (2023-24): 41.4 MMT. No of vessels calling per annum (2023-24): 1540. No of jetties at port: 17. Artificial port. Draft available at port: 14.2 meters. Bunkering at berth/OA (outer anchorage).

## **Delivery Options:**

Mode of Supply	Y/N	Jetty	Delivered / Ex MI
Pipeline	Υ	CJ-1, CJ-2, Oil Jetty	Delivered
TT	Y	All jetties except CJ-1, CJ-2, Oil Jetty & Container berth (DBGT)	Delivered
Barge	Y	All jetties	Delivered

#### MAP WITH PORT LOCATIONS: IndianOil can serve you in any Indian port with the facility to supply all marine fuels. Please get in touch with your nearest IndianOil office for your requirements. Magdalla Dahei Bhavnagar. Jamnagar. Navlakhi Kandla Mandvi Vadinar Mundra Salaya -Okha Paradip Porbandar Dahanu ( Mumbai Nhava Sheva Dharamtar Gopalpur Jafarabad ······ Pipavav---Revadanda Visakhapatnam (Vizag) Ratnagiri Redi Kakinada Panaji Mormugao Krishnapatnam Karwa Kaatupalli Belekeri Ennore Chennal Mangalore Kasaragod

Kozhikode

#### **PORT LOCATIONS & CONTACTS:**

### **Tuticorin Port:**

Name	Designation	Mobile No.	E-Mail ID
Mr. Nitin Katiyar	Sales Officer (Institutional Business), Tuticorin	94459 62466	katiyarn@indianoil.in
Mr. Narendra Devu	Manager (Institutional Business), Madurai DO	98410 20110	narendrad@indianoil.in
Mr. V Ramkumar	Manager (Terminal), Tuticorin Terminal	96558 61735	ramkumarv@indianoil.in
Mr. Venkateswara M S	Operations Officer, Tuticorin Terminal	86394 96346	sankathalavm@indianoil.in
Mr. C. V. S. S. Krishna Sankar	Senior Terminal Manager, Tuticorin Terminal	98416 13453	cksankar@indianoil.in
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Mr. P.R. Sanil Kumar	Divisional Institutional Business Head, Madurai DO	94433 89130	sanilkumarpr@indianoil.in
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For general terms ( conditions for the sale of Marine fuels by IndianOil, Scan the QR Code





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