



भारत सरकार / GOVERNMENT OF INDIA
पोत परिवहन मंत्रालय / MINISTRY OF SHIPPING

नौवहन महानिदेशालय, मुंबई
DIRECTORATE GENERAL OF SHIPPING, MUMBAI

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Shore Power Supply at Indian Ports to Visiting Ship

1. Ships when berthed at port, though not propelling still consumes a large amount of energy to meet various functions during its port stay through running of ships auxiliary power for ventilation of accommodation, loading & unloading of cargo, provisions and spares, cooking, etc. This running of fuel-powered generators results in noise, vibrations and emissions in ports. Supply of shore side electricity to ships at Port can reduce emissions, noise and vibrations arising from ships. Thus, installation of facility to supply of shore power to ships in ports meeting the requirement of all types of vessel during their port stay has been considered as environment friendly and same is being done in many modern ports for years.
2. Ministry of Shipping, Government of India (GOI) has been in forefront since last many years to reduce various types of pollution at Indian ports and most importantly 12 major ports. All 12 major domestic ports have now switched to renewable energy to meet their entire power requirements, making India the first country to have all government-owned ports running on solar and wind energy.
3. In order to assist in GOI green port initiative, the Directorate has decided to help ports develop necessary infrastructure mandatorily to supply of shore electric power to all types of ships, calling the ports, during the period of their port stay. In this regard, the Directorate held various meeting and consulted stakeholders such as Indian Coastal Ship-owners Association, Indian National Ship Owners Association, various ports and electric supply regulators for development of necessary infrastructure and grant of distribution license to ports for such supply.

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4. Last such meeting was held on 26th June 2019 under the Chairmanship of the Director General of Shipping, wherein it was decided that each port will decide upon a 100-day agenda to supply shore power to all those type of ships at low voltage which have low power demand. Further, it was also decided that each port, in long term will endeavour, to develop infrastructure and supply shore power to all ships visiting the port either by understanding together with their area electric supply Company or by its own power supply system.
5. Further it has been decided that the Directorate will issue necessary guidelines for standardization of equipment's to be fitted on board a ship. Accordingly the Directorate has already issued a Standard Operating Procedure: Shore Electric Power Supply to Ships in Indian Ports on 27th July 2018. At present this SOP covers only low power supply, that is up-to 150 KW at low voltage. Once a port is ready with high voltage supply to meet any power demand of a ship, a new SOP will be issued.
6. The list of ports currently supplying shore power is available at ["https://dgshipping.gov.in/WriteReadData/CMS/Documents/202002101235007665455ListPorts Shore Power Eng\(1\).pdf"](https://dgshipping.gov.in/WriteReadData/CMS/Documents/202002101235007665455ListPortsShorePowerEng(1).pdf) which will be periodically updated as and when other port(s) communicate on their readiness with their shore to ship electric power supply system. The list contains Voltage, frequency and maximum power it will be supplying along with the types of vessels (Irrespective of whether Government, Public or Private owned) which will be mandatorily required to take shore power when berthed at that port. The date from which this requirement is mandatorily applicable is also indicated in the said list of ports.

Sd/-

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