UNIVERSITY OF PETROLEUM & ENERGY STUDIES
DEHRADUN

COLLEGE OF MANAGEMENT & ECONOMIC STUDIES

ESTIMATION OF BUNKER POTENTIAL FROM 'MAJOR DRY BULKS' SHIPPING IN INDIA

Submitted in Partial fulfillment for the
Award of the Degree
Master in Business Administration
(Energy Trading)

Submitted by :
Mr. KAILASH SRINIVASAN
(Energy Trading)
ID – 500021230
UPES

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DECLARATION FROM COMPANY

This is to certify that Mr. Kailash Srinivasan, pursuing Masters in Business Administration (MBA) in Energy Trading from University of Petroleum and Energy Studies, Dehradun, was a Management Trainee at ChemoilAdaniPvt. Ltd. (CAPL), Ahmedabad for the period 21st May 2013 to 19th July 2013, and has successfully completed his Summer Internship Training.

As part of the training, the project report titled **"Bunker Potential fromMajor Dry Bulks Shipping in India"**, submitted by him to the undersigned is an authentic record of his original work, which was carried out under my supervision and guidance.

We wish him all the best for his future endeavors'.

20th July 2013

Date

Jaiswal

Mr. Praveen Jaiswal
General Manager, Operations
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- Kailash Srinivasan

Table of Contents

List of Figures

List of Tables

Introduction

By Kailash Srinivasan

1.0 Introduction

International sea transportation has been an instrumental factor in world economic activity and international trade. Since time immemorial, sea exploration and subsequently, sea borne trade have been the very forces that have shaped the world as we know today. According to **(Lloyd's List Intelligence, 2013)** over 90 percentage of world trade is seaborne, 6 percentage by rail and road, 3 percentage by pipeline, and the rest by air. In 1950 the world seaborne trade comprised about 0.5 billion metric tons, which has expanded to an estimated 8,748 million metric tonnes (MMT) in 2012. This consisted of 2,477 MMT of dry bulk commodities (Iron ore, grain, coal, bauxite/alumina and phosphate), 2,796 MMT of liquid bulk commodities, and 3,475 MMT of other dry cargo and manufactured goods **(RMT-2012. UNCTAD).** The dry bulk shipping market is by far the largest sector of the world's shipping market in terms of cargo volume and weight. At the end of 2012 the cargo carrying capacity of the world dry bulk shipping fleet of 700 MMT or roughly 40% of the total world shipping fleet, and the number of dry bulk ships exceeded 10,175 **(Lloyd's List Intelligence, 2013)**

There is a high degree of correlation between sea-borne trade and the world GDP that warrants the inference that maritime shipping is indeed an enabler of growth. Figure 1.1 below shows how seaborne trade and World GDP growth have occurred hand in hand. In the year 2009 due to world recession, the largest consumers – the developed countries reduced their consumption, leading to a ripple effect that severely affected many developing countries whose economy was sustained primarily due to exports. This resulted in the negative growth of the sea borne trade and a corresponding contraction of the world GDP.

Primary data from **IHS Fairplay** indicate that sea borne trade volumes had held steady in 2011, with total volumes reaching a record 8748 MMT. This expansion was driven by the rapid growth of 5.6% in dry cargo volumes that held strong with continued import demand for raw materials in large developing economies, notably

China and India. Notably, with China becoming the world's largest trading economy overtaking USA this quarter, there has been renewed support for dry bulk imports into the Asian Region. China accounted for two-thirds of global iron-ore trade volumes in 2011.

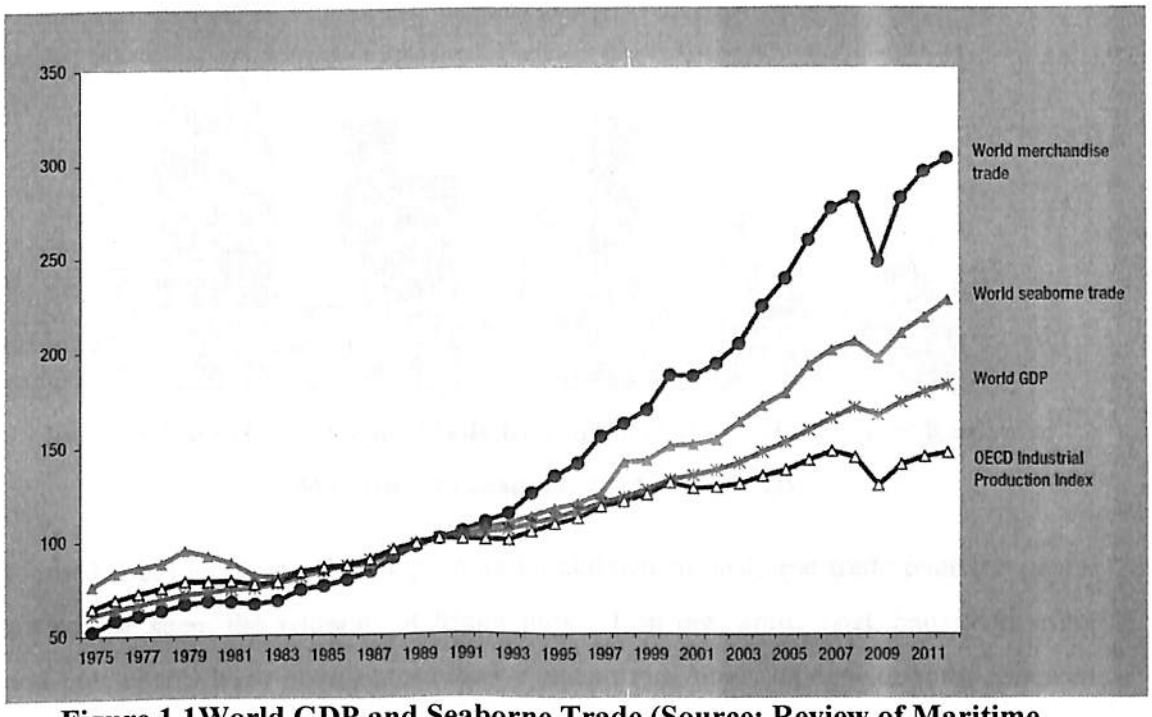


Figure 1.1World GDP and Seaborne Trade (Source: Review of Maritime Transport, 2012. UNCTAD)

This renewed import interest from the Asian region has contributed in the region occupying a dominant position in world seaborne trade as seen in the following Figure 1.2.

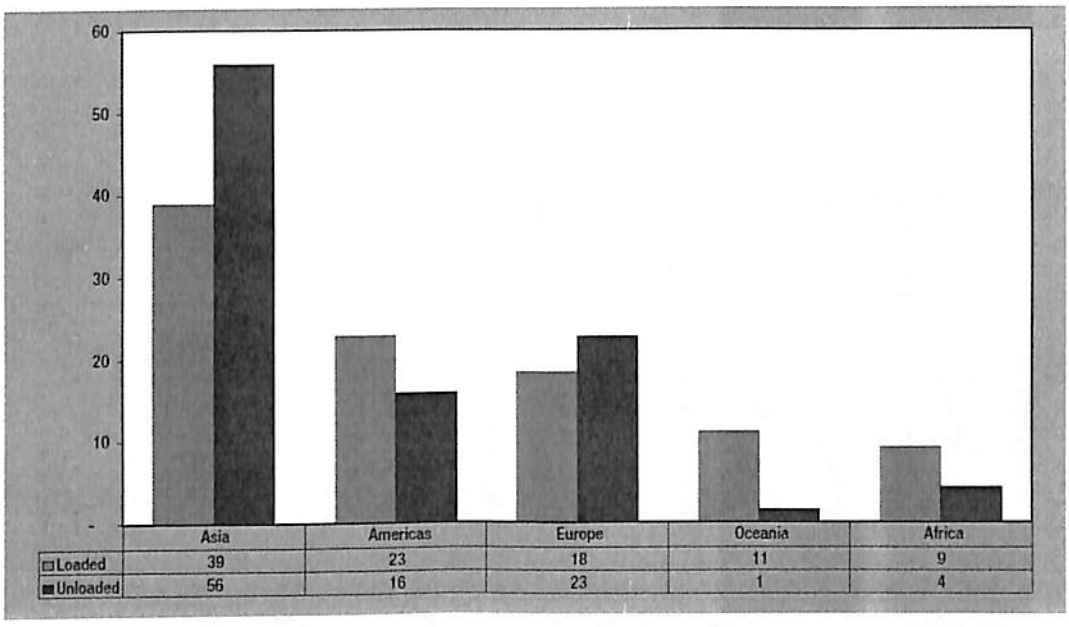
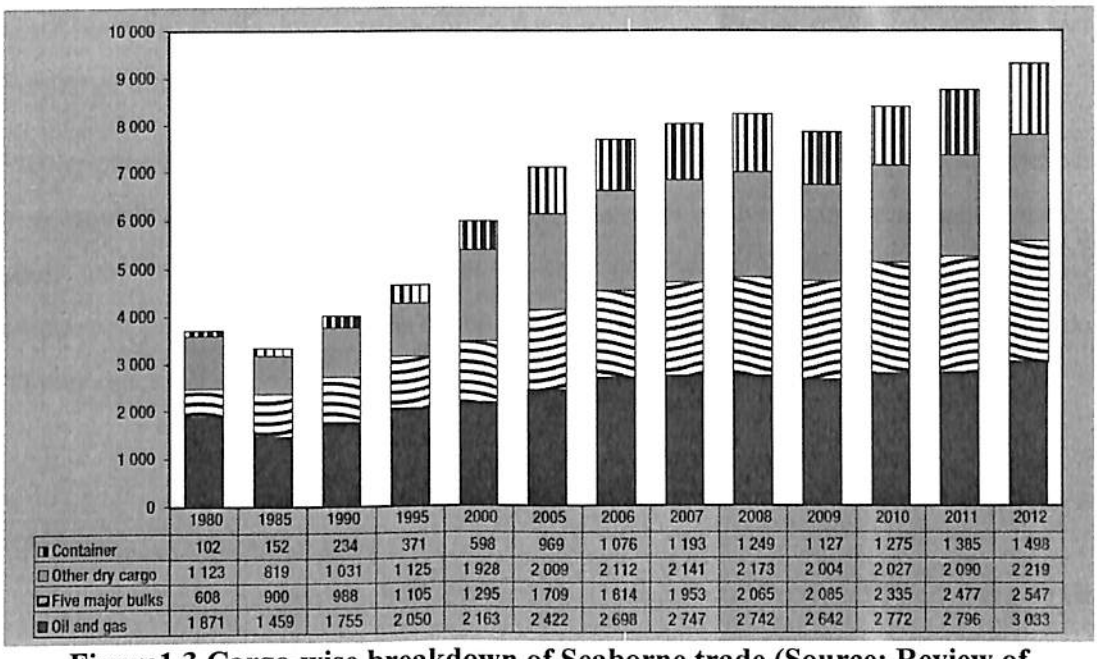


Figure1.2 World Seaborne Trade by Region (%) in 2011(Source: Review of Maritime Transport, 2012. UNCTAD)

Figure1.3 below shows the cargo-wise breakdown of seaborne trade over the years. As can be seen, the volumes of Major bulks (Iron ore, grain, coal, bauxite/alumina and phosphate) have grown at a rather constant rate since 2008, with some renewed interest in 2012. As per latest available figures from **(RMT 2012, UNCTAD)**, in 2011, the five major dry bulks accounted for approximately 42 per cent of total dry cargo worldwide. Among the major dry bulks, Iron Ore accounted for the largest share of 42.5%, followed by coal at 38.1%, grains at 14%, and the rest by bauxite/alumina, and phosphate rock. **(RMT 2012, UNCTAD)**

Growth in the five major bulks remained closely linked to steel production, growing infrastructure development needs of emerging developing countries, urbanization and the evolution of the global manufacturing base. World consumption and production of steel, continued to expand in 2011 despite prevailing global economic uncertainties and slowdowns.



	1980	1985	1990	1995	2000	2005	2006	2007	2008	2009	2010	2011	2012
Container	102	152	234	371	598	969	1 076	1 193	1 249	1 127	1 275	1 385	1 498
Other dry cargo	1 123	819	1 031	1 125	1 928	2 009	2 112	2 141	2 173	2 004	2 027	2 090	2 219
Five major bulks	608	900	988	1 105	1 295	1 709	1 614	1 953	2 065	2 085	2 335	2 477	2 547
Oil and gas	1 871	1 459	1 755	2 050	2 163	2 422	2 698	2 747	2 742	2 642	2 772	2 796	3 033

Figure1.3 Cargo-wise breakdown of Seaborne trade (Source: Review of Maritime Transport, 2012. UNCTAD)

Containerised Cargo shipping is more akin to Liner Services that ply regularly along a route with fixed schedules. As such, most Container Lines have fixed bunker lifting schedules by means of long term fuel supply contracts with suppliers. This cannot be generalized to the entire container liner services, and there is a fair amount of container vessels that take bunker off schedule. There is a significant volume of container vessels calling at South Asian Peninsular, predominantly at Srilankan ports, that looks to become a significant trans-shipment port. Most of these vessels however, prefer taking bunker at Colombo, as opposed to other Indian ports, mostly due to the relatively cheaper fuel available.

The Dry Bulk market in contrast, is inherently dynamic due to the fact that Bulkers neither operate on fixed schedules nor on fixed routes. It is not rare to see a Bulk Vessel carrying Steam Coal following Discharge at Kandla Port, may clean hatches and load grains for export. Hence the bunker of the bulk market offers lucrative prepositions.

Due to many large projects being commissioned in India, such as the Adani and TATA Ultra Mega Power Plant (UMPP) and due to a good harvest this year, there

have been an increasing number of bulkers calling at Indian ports for both import discharge and export loading.

For tapping into this lucrative market, it is important to understand the trade cycles, important load and discharge ports for each cargo, the routes that the bulkers usually take, and finally the price competitiveness of Indian bunker suppliers against competing ports along the route of the vessel. This project is aimed at estimating the bunker potential due to the movement of dry bulkers at Indian ports.

1.1 OBJECTIVE OF STUDY

- To assess the movements of Iron Ore, Coal (all variants) and Food Grains (all variants), in and out of the country
- To understand the dynamics of the underlying market of the selected commodities
- To estimate future volumes of the specified commodities
- To analyse and estimate bunker potential
- To understand commercial and physicals aspects of bunkering

1.2 SCOPE OF STUDY

The following dry bulk cargo and their movements via bulkers only are considered.

- Food Grains (all variants)
- Iron Ore
- Coal (all variants)

Other than the above mentioned cargo, there are many other dry bulk commodities with sizeable imports and exports, however, are beyond the scope of this project.

As part of primary data collection on vessel movements, all vessels calling at most major ports of India within the past two months carrying above mentioned cargo is tracked. A larger time span for tracking would increase the vessel database and may increase the accuracy of estimation, but however is not considered due to time and resource constraints.

1.3 RESEARCH METHODOLOGY

Secondary data collection

- Existing reports and research papers from international journals
- Historical Trade data on Coal, Food Grains and Iron Ore from Dept. of Commerce India, Import-Export Data Bank
- Historical data on Prices at various competing ports

Primary data collection

- Tracking bulk cargo vessels calling at various ports of India for Export Loading and Import Discharge, using data from EXIM and vessel tracking platform- 'Sea Web'
- Collecting information from Ship owners, operators and agents to determine the vessel itinerary and bunkering schedule
- Data collection by telephonic interviews and by questionnaires

Introduction to Bunkering

2.0 Introduction to Bunkering

2.1 BUNKERS and BUNKERING

The word 'Bunker' originally referred to the storage area for the fuel that the ships used to drive their engines. In early days of the steamships, these bunkers contained coal, which was burnt to produce steam, powering the ship, much like how a steam turbine works. Following modernisation, almost 98% of the world fleet has moved to oil fired engines, very similar to the diesel engines in car, but on a much larger scale. To understand the scale, a typical engine would be 2-storeys tall, and occupy as much space as two large rooms.

The word bunker now refers to the fuel, and the activity of a ship refuelling is referred to as bunkering. Bunker fuels are classified into two categories, viz. Distillate Oil (DO/GO) and Residual Oil (FO) that is used for running the generators, and the ship's engines respectively. There are various quality parameters that must be met by the bunker suppliers. Such quality constraints and limits are defined by ISO and are listed under **ISO8217:2005**, and **ISO8217:2010**. Furthermore, there are some environment pollution related regulations as set by **IMO (International Maritime Organisation)** under the **MARPOL (Marine Pollution) Annex VI**. As a result there are restrictions with respect to Sulphur content in the fuel burned, specifically in certain defined ECAs (Emission Control Areas). Identical limits are set by both the IMO and the EU, but IMO's regulations are yet to be ratified and EU will not accept any vessels travelling within its waters to burn high-sulphur fuel oil from 2010 onwards. These parameters would be dealt with more deeply in the following sections.

The basic feedstock for the DO/FO is the crude oil. The crude oil is subject to various processes such as Atmospheric and Vacuum distillation, following by cracking and coking. The products of distillation in order of value are ATF, Kerosene, Naptha, Gasoline, Diesel, Lubes and residuals. The bunker market is based on the Residual and Distillate products. Since DO/FO is a by-product of crude, its prices are derived from the crude market as well. This is the reason, why risk managers in Bunkering

Firms often hedge their positions on NYMEX and other commodity exchanges, by trading in crude futures.

Marine distillates historically come from low-grade distillate recycle streams that are unsuitable for upgrading to diesel fuel or other low-sulphur products. However, with the commissioning of newer and more complex refineries such as Reliance's Jamnagar refinery, by repeated processing, these refineries generate almost zero residual. Thus, the supply chain for the marine fuels industry begins with integrated petroleum refineries, where —bottoms from atmospheric and vacuum distillation unit operations are combined to form the bulk of residual fuel stocks. The dominant producers of marine fuels are divisions of the major oil companies such as Shell Trading (STUSCO) and BP Marine. Around the world, these large producers are joined by hundreds of smaller firms that contract to transport, blend, and sell low-grade fuel stocks to the shipping industry.

Most of the worldwide bunker fuel volume is sold to firms that operate bunkering facilities around the world, although some of the major petroleum refiners also contract for and deliver marine fuels. These large refiners, including the Chemoil Group, O.W. Bunker, World Fuel Services, A/S Dan Bunkering, the Chinese government-owned Chimbusco, purchase blended stocks from the producers and also blend, transport, and store some products themselves. As much as 25% of the world's marine fuels are purchased and resold by brokers or other intermediaries that never actually take physical control of the bunker fuel. Arbitrage activities of these firms help keep the worldwide market efficient, as excess price differentials are quickly exploited and eliminated.

The final stage of the marine fuel supply chain is the bunkering itself, which can either be done while the ship is docked or directly from bunker barges while the ship is anchored. There are hundreds of bunkering ports around the world and thousands of firms that provide the actual bunkering service.

Logistics and transport cost factors influence the location of bunker ports. In addition to being located close to supply sources (petroleum refineries) and consumers of transported goods (major population centres), bunkering ports are often strategically located along high-density shipping lanes. In this regard, the world's largest Bunkering Hub is in Singapore and handles more than twice as much bunker fuel volume as the next biggest provider. Singapore monthly bunker deliveries range in excess of 3MMT. Singapore is the world's largest transhipment port, and so, it is very normal for vessels with cargo operations to take bunker. However, with opening of dedicated Bunkering Anchorages in 2005, the number of bunker-only vessel calls has greatly increased. Similarly, the Panama and Gibraltar ports are other examples of strategically located facilities. Another significant bunkering hub is at Fujairah Port in UAE. Owing to the fact that a large percentage of the world's oil is exported from the Middle East via the Hormuz, Fujairah, finds itself very strategically located. Fujairah is the go-to port for almost all Crude and Product tankers calling at Middle Eastern ports. In North America, the largest facilities follow the general pattern suggested by location theory; Los Angeles, San Francisco, New York, Philadelphia, Houston, and New Orleans are close to both refinery supply and transport destinations.

Amidst two major bunkering hubs, India does not enjoy the strategic advantage. Moreover, as Bunkering at OPL is not allowed by the Indian govt., Bunker-only calls are very rare. Hence, a majority of the Indian bunker market depends on the vessels calling at various ports.

2.2 PHYSICAL PARAMETER SPECIFICATIONS of HFO and MGO

As mentioned previously, there are various quality parameters that must be met by the bunker suppliers. Such quality constraints and limits are defined by ISO and are listed under **ISO8217:2005**, and **ISO8217:2010**. Furthermore, there are some environment pollution related regulations as set by **IMO (International Maritime Organisation)** under the **MARPOL (Marine Pollution) Annex VI**. Table 2.1 below lists the required specifications for various parameters of IFO as defined under **ISO8217:2010.**

Parameter	Unit	Limit	RMA	RMB	RMD	RME	RMG				RMK		
			10	30	80	180	180	380	500	700	380	500	700
Viscosity at 50°C	mm^2/s	Max	10	30	80	180	180	380	500	700	380	500	700
Density at 15°C	kg/m^3	Max	920	960	975	991	991				1010		
Micro Carbon Residue	% m/m	Max	2.5	10	14	15	18				20		
Aluminium + Silicon	mg/kg	Max	25	40		50	60						
Sodium	mg/kg	Max	50	100		50	100						
Ash	% m/m	Max	0.04	0.07			0.1				0.15		
Vanadium	mg/kg	Max	50	150			350				450		
CCAI	-	Max	850	860			870						
Water	% V/V	Max	0.3	0.5									
Pour point (upper) [b], Summer	°C	Max	6	30									
Pour point (upper) [b], Winter	°C	Max	0	30									
Flash point	°C	Min	60										
Sulphur [c]	% m/m	Max	Statutory requirements										
Total Sediment, aged	% m/m	Max	0.1										
Acid Number [e]	mgKOH/g	Max	2.5										
Used lubricating oils (ULO): Calcium and Zinc; or Calcium and Phosphorus	mg/kg	-	The fuel shall be free from ULO, and shall be considered to contain ULO when either one of the following conditions is met: Calcium > 30 and zinc >15; or Calcium > 30 and phosphorus > 15.										
Hydrogen sulphide [d]	mg/kg	Max	2										

Table 2.1 IFO Quality Specifications (Source: ISO8217:2010 Fuel Standard. Fourth Edition, 2010)

Similarly, Table 2.2 below lists the required specifications for various parameters of IFO as defined under **ISO8217:2010.**

Parameter	Unit	Limit	DMX	DMA	DMZ	DMB
Viscosity at 40°C	mm^2/s	Max	5.5	6	6	11
Viscosity at 40°C	mm^2/s	Min	1.4	2	3	2
Micro Carbon Residue at 10% Residue	% m/m	Max	0.3	0.3	0.3	-
Density at 15°C	kg/m^3	Max	-	890	890	900
Micro Carbon Residue	% m/m	Max	-	-	-	0.3
Sulphur [a]	% m/m	Max	1	1.5	1.5	2
Water	% V/V	Max	-	-	-	0.30 [b]
Total sediment by hot filtration	% m/m	Max	-	-	-	0.10 [b]
Ash	% m/m	Max	0.01	0.01	0.01	0.01
Flash point	0°C	Min	43	60	60	60
Pour point, Summer	0°C	Max	-	0	0	6
Pour point, Winter	°C	Max	-	-6	-6	0
Cloud point	°C	Max	-16	-	-	-
Calculated Cetane Index		Min	45	40	40	35
Acid Number	mgKOH/g	Max	0.5	0.5	0.5	0.5
Oxidation stability	g/m^3	Max	25	25	25	25 [c]
Lubricity, corrected wear scar diameter (wsd 1.4 at 60°C [d]	um	Max	520	520	520	520 [c]
Hydrogen sulphide [e]	mg/kg	Max	2	2	2	2
Appearance			Clear & Bright [f]			[b, c]

Table 2.2 MDO Quality Specifications (Source: ISO8217:2010 Fuel Standard. Fourth Edition, 2010)

It is vital for every bunker supplier to ensure that the supplied fuel meets these specifications. In case one or more parameters do not fall under the specified range, the supplied fuel would be deemed *'off-spec'*. In such cases, the vessel operator may issue claims for refund, or at times require the fuel to be de-bunkered (The process of returning the supplied fuel due to quality issues). As a result, the Bunker supplier may have to bear additional costs involved in settling claims and/or de-bunkering costs and results in loss of reputation. There are many reputed fuel-testing organisations such as

DNV, GeoChem, Integra, Intertek and other that provide these services. The sampling procedure would be discussed more deeply in following sections.

Each of these quality specifications are discussed in depth in the following pages.

2.2.1 Density

Density is the relationship between mass and volume at a stated temperature, the SI units is Kg/m^3. ISO defines a limit of 920- 1010 kg/m^3 for HFO, and 890- 900 kg/m^3 for MDO. The density of HFO is limited to 991kg/m^3 to facilitate effective centrifuging during water and residues separation in the centrifuge. Hence, greater the difference in density between the fuel and water (1000 kg/m^3), better the separation. However, HFO with density up to 1010kg/m^3 can be accepted, if clarifiers are used. Density plays a vital role in determining the actual amount of fuel delivered, wrongly reported densities often lead to short lifting. Higher density increases the carbon residue and the pour point.

2.2.2 Kinematic Viscosity

Kinematic viscosity is the ratio of the absolute viscosity to the density, wherein viscosity is a measurement of the resistance of a liquid to shear or flow. The unit of Kinematic Viscosity is Stokes (ST). As the viscosity of marine fuels are very high, these values are divided by hundred and are expressed in centistokes (cST). Viscosity is inversely proportional to temperature, and hence for marine fuels, they are quoted and tested with reference to a specific temperature.

Viscosity of the HFO plays a pivotal role in the temperature range required for satisfactory injection at the fuel atomizer, and for efficient combustion. Higher density fuels require large pumps for transfer and required higher heat for atomisation. The different grades of HFO are grouped as per their viscosity.

2.2.3 Flash Point

The flash point of a liquid is the lowest temperature at which sufficient vapour is given to produce a flash on application of a flame under specified test conditions. The flash point hence is a minimum limit, and ranges from 43°C to 60°C for MGO and 60°C for HFO. This limit is set to minimize fire risk during normal storage and handling.

2.2.4 Pour Point

The pour point is the lowest temperature at which a marine fuel oil can be handled without excessive amounts of wax crystals forming out of solution. At lower temperatures the wax in the fuel will crystallise, thereby preventing flow. As a result, the pour point determines the storage temperature of the fuel, which is usually stored at 5° - 10° above the defined value. Pour point increases with viscosity and density.

2.2.5 Cloud Point

The cloud point of a clear distillate fuel (MGO) is the temperature at which the fuel becomes cloudy because of the formation of wax crystals. Cloud Points are defined only for MGO and specifies the suitability of fuel use in ambient temperatures.

2.2.6 Micro Carbon Residue

The carbon residue of a fuel is the tendency to form carbon deposits under high condition in an inert atmosphere, and is expressed in %m/m. Alternatively referred to as Conradson Carbon Residue (CCR), the MCR indicates the amount of carbonaceous deposits on combustion. The maximum limit of carbon residue content in MGO is 0.30 % and for HFO, ranges between 2.5% to 20.0%. Excessive MCR leads to sludge formation, decreases the burning efficiency, and increases wear on engine parts.

2.2.7 Water Content

The water content in the fuel is defined as %V/V, and is normally very low, since utmost effort is made by the supplier to deliver the fuel as dry as possible. The maximum permissible limit is set at 0.30% for MDO and 0.50% by volume for HFO. Water contamination can occur due to tank condensation, leakage of steam from heating coils, incorrect setting on the purifier and bunker tank leakage due to structural defects. Presence of water in fuel leads to retardation in the speed of combustion, corrode tanks pipelines and exhaust valves and promote sludge formation.

2.2.8 Ash Content

Ash is the non-combustible material, which is either naturally present in the fuel or has been introduced from external sources, that on combustion produces oxides, sulphates, and other more complex compounds. These residues mainly occur due to vanadium, sulphur, silicon, aluminium, nickel, sodium, and iron content present in the fuel. The maximum limit of ash content in the fuel is 0.2% m/m.

2.2.9 Calorific Value

The CV of a fuel is the heat energy given out due to combustion of unit mass of the fuel. Heavy fuel oil has a net CV of 38.9 MJ/litre and a gross CV of 41.2 MJ/litre; these values being determined by the calorimetric test. Higher CV fuel produces more energy on burning and consequently delivers greater power.

2.2.10 Lubricity

Lubricity refers to the lubricating property of the fuel. Lubricity reduces the corrosive effects of the fuel and also decreases wear on engine parts. However, excessive Lubricity increases the time to combustion and decreases the engine efficiency.

2.2.11 Sulphur

Sulphur is soluble in water therefore it cannot be removed by centrifuge treatment. However there are chemicals that can be used to lower the sulphur content in HFO. Sulphur pre- combustion causes corrosion to the pistons and liners and contaminates the lube oil. Post combustion emits SOx in exhaust gases that form Sulphuric acid, causing acid rain. As a result, IMO has defined specific limits on Sulphur present in Fuel. A limit of 1% in the Emission Control Areas (ECA), and a global limit of 3.5% have been imposed. IMO aims to reduce this to 0.1% in the ECAs by Jan 2015, and a global 0.50% by Jan 2020. Low Sulphur Fuel Oil (LSFO) is more expensive than High Sulphur Fuel Oil (HSFO) and so, it is not un-common for vessels for carry different sulphur grades of fuel to burn in the ECA and otherwise.

2.2.12 Cetane Index/ Calculated Carbon Aromaticity Index (CCAI)

Both the CCAI and Cetane index refer to the burning capability of the fuel.
The Cetane index is a measure of the time interval between the injection of fuel into combustion chamber and its ignition. The Cetane number is defined for MGO as ranges from 45 to 35 for MGO. Higher CN indicate smaller delays, and hence increases the efficiency of operation. Low CN leads to rough operation leading to increased wear on the engine and reduced power.
The CCAI is similar to the CN, but is defined for HFO, and ranges from 850 to 870. Higher CCAI results in greater pressure on the connecting rods, bearings, exhaust valves and the piston rings.

2.2.13 Acid Number

The Acid number is a measure of of the amount of KOH (mg) that reacts with a gram of fuel. The reaction produces COOH (carboxylic acid) that affects the connecting rods, bearings, exhaust valves and the pistons rings and liners. The AN increases with the larger hydrocarbon chains. AN is defined at 2.5 mgKOH/g for MDO.

2.3 CHANGES in ISO 8217:2010 COMPARED to ISO8217:2005

2.3.1 Changes for Distillates

- A new distillate category designation, DMZ has been added due to the new technical evidence provided by engine manufacturers and users, based on the recent experiences with fuel pumps leakage and wear damage. It was accepted to insert an additional grade with an increased minimum viscosity of 3 cST at 40°C, but is otherwise identical in its Characteristics to the DMA grade.
- The DMC grade, being a blend of residual and distillate components, has been re-classified as a residual fuel RMA10 and moved to the HFO specs table.

2.3.2 Changes for Residuals

- New grade was added with designation RMA10
- The previous RMA30 and RMB30 grades have been consolidated to a new RMB30 grade
- The previous RMF180 grade has been deleted
- RMG grade has been expanded to cover 4 grades viz. 180, 380, 500 and 700
- RMH 380 and RMH700 grades were deleted
- RMK was expanded to include 500 grade, apart from previous 380 and 700 grades.

2.4 SCOPE of ISO 8217:2010 VERSUS ISO 8217:2005

2.4.1 Changes to both Distillate and Residual Fuels

- Acid number limits included
- Hydrogen sulphide (H2S) limits included

- Acid Number – the limits for Distillate fuels were adopted from the accepted industry's guiding limit of 0.5 mg KOH/g. The limits for Residual Fuels are set at max limit of 2.5 mg KOH/g.
- H2S - the new limit will only be applied from 1 July 2012, which will allow the industry to gain global experience of the prevailing levels and with the new test method. Since there is presently no limit, placing a global limit of 2 mg/kg will better protect the end user. The new limit will ensure that the whole industry follows a precautionary practice.

2.4.2 Changes to Distillate Fuels only

- DMA – minimum viscosity was increased to 2 cST at 40°C
- DMZ - minimum viscosity was introduced at 3 cST at 40°C
- DMB - minimum viscosity was introduced at 2 cST at 40°C

- APPEARANCE was modified, as in some countries the distillate fuels are dyed and are not transparent. For such fuels water content shall be determined by KF and be in compliance of 200 mg/kg limit.

- OXIDATION STABILITY was introduced because the refinery processes used to manufacture distillate fuels can lead to products which may be of limited oxidation stability. In addition, today's non-marine distillate fuels can contain a significant amount of bio-derived components, which might impact on the oxidation stability of the fuel.

- LUBRICITY - The lubricity limit is based on the existing requirements for high speed automotive and heavy duty industrial diesel engines, of 520 wear scar diameter. The 460 wear scar limit was required only for a particular form of passenger car fuel injection equipment and therefore not applicable to marine fuel pumps. Engine manufacturers are in the process of reviewing their limits to this value.

2.4.3 Changes to Residual Fuels only

- STABILITY – to assess stability Potential Total Sediment (TSP) has been assigned as the reference test method. Accelerated Total Sediment (TSA) has been added as an alternative test method.

- SULPHUR – Due to wide range of various changing limits and requirements, both internationally and locally, the sulphur limits are not included in the table

- ASH limits were reduced
  - for RMA10 – from 0.05 to 0.040 mass%
  - for RMB30, RMD80 and RME180 – from 0.100 to 0.070 mass%,
  - for all grades of RMG – from 0.150 to 0.100 mass %
  - no change for RMK grades – at 0.150 mass%

- VANADIUM limits were reduced
  - for RMA10 – from 100 to 50 mg/kg,
  - for RMB30 grade – no change at 150 mg/kg
  - for RMD80 grade – from 350 to 150 mg/kg
  - for RME180 grade – from 200 to 150 mg/kg
  - all RMG grades – at 350 mg/kg
  - for all grades of RMK – from 600 to 450 mg/kg

- ALUMINIUM AND SILICON limits were significantly reduced
  - for RMA10 – same at 25 mg/kg,
  - for RMB30 and RMD80 – from 80 mg/kg to 40 mg/kg
  - for RME180 – from 80 to 50 mg/kg for all grades of RMG and RMK – from 80 to 60 mg/kg

- SODIUM CONTENT – was added to all residual fuel grades at 100 mg/kg with the exception of RMA10 and RME 180 where the limit is set at 50 mg/kg.

- Used Lubricating Oils (ULO) – Due to changes to lubricating oil formulations, improved criteria for assessing the presence of ULO in marine fuels were included. The new approach to the limit has been derived from extensive statistical survey reports. In view of the difficulty of establishing a wording that fuel is free of ULO, it was agreed that it should be expressed in terms of when a fuel does contain ULO and amend the wording in HFO Table as follows: A fuel shall be free from ULO. A fuel shall be considered to contain ULO when either one of the following conditions is met: Ca > 30 and Zn > 15 or Ca > 30 and P > 15

- CCAI - As an indication of ignition performance, CCAI has been added as in order to avoid fuels with uncharacteristic density-viscosity relationships. For engines and/or applications where ignition quality is known to be particularly critical, Annex F provides a basis for suppliers and purchasers of marine residual fuels to agree on tighter ignition quality characteristics. The basis for including CCAI was as a substitute for a minimum viscosity limit. It is recognised that CCAI of 870 is not a guarantee to pose no risk for engines, but neither is a lower value such as 860. The CCAI limit included in the marine fuels standard is there to prevent abnormal or peculiar fuel blends from finding their way into the market.

2.5 COMMERCIAL DEAL IN BUNKERING

The Bunkering process starts with the buyer seeking offers from sellers to supply the quantity and grade of fuel required. The commercial deal is secured by means of a contract between the buyer and supplier, wherein each party enters into an agreement to meet their obligations under the contract covering various aspects of the deal. These range from the information required to schedule the delivery, actions required by the ships (on behalf of the buyer) and the delivery facility (on behalf of the seller) to expedite the delivery, the production and mutual acknowledgement of the agreed documentation and, finally, the settlement of the

seller's invoice for the product supplied and any agreed additional costs (such as pre-testing, survey fees, delivery charges, etc.).

The commercial agreement is almost always controlled by the sales Terms and Conditions (T & C) of the seller but there may be alternative terms agreed by buyer and seller, especially when the buyer has considerable 'commercial power'. Even when the sale is controlled by the seller's terms, the seller may accept specific buyer's clause – most often with specific remarks on quality, delay or some other issue. Outside the operational obligations of the contract, the next commercial involvement will be the acceptance of the delivery and the submission to the buyer of the proof of delivery, together with the invoice by the seller.
Once the payment is made, and in the absence of any unresolved disputes between the parties, the commercial bunker deal is accomplished.

2.5.1 Bunker Enquiry

The buyer (or colleagues in the commercial chartering or operations department) has to decide where to buy, when to take delivery and how much to lift. The seller has almost no influence on this and it is actually the area where the buyer's skill and judgment can have the greatest impact on the economic outcome of a voyage. The choice of location is determined by the anticipated future voyages of the vessel, the amount of fuel needed for the intended voyage and the overall cost of the operation at any possible bunkering ports. Additionally, in case the vessel is due for off-hiring and is to be delivered to another charter party, then as per agreement, vessel may need to lift bunker.

The time to launch the enquiry will depend on the logistics of the intended bunker port and the anticipated market movement. Buyers need to be aware that when product is in short supply, delaying the enquiry will at best reduce the number of sellers offering or at worst will mean that all product has been committed to others before he makes his enquiry. Furthermore, the buyer might have to shell out a higher premium due to the fuel being in short supply

The quantity to buy is a balance between the quantity needed for the voyage, the available storage on board and the anticipated cost of fuel at subsequent ports. Buyer must always take into account the draft limitation of the vessel at the bunkering port and subsequent ports and any cargo quantity commitments that the vessel charter might contain.

BUNKER ENQUIRY

Enquiry should state in full detail the following

- Name and full style of the buying account.
- Vessel name and International Maritime Organization (IMO) number
- Type of vessel, as this will highlight some of the restrictions that may apply to bunkering operations in a port.
- Port and Country of Call
- Place of delivery (OPL/ at Berth)
- Specifications and quantity of each grade required. With ref to ISO8217:2010 standards, and Sulphur requirements
- Buyer's Agent Details
- Restriction regarding bunkering including time/ date of delivery, rate of delivery, surveyors, certificate of quality, customs etc.
- If the buyer intends to burn the fuel in ECAs or in EU berths where there are legal restrictions on the sulphur content of the fuel, then the maximum sulphur level must be clearly stated.
- Enquiry should identify as much scheduling information as is available at the time.
- The quantity must be clearly stated and the quantity units shown. If the exact quantity is not yet known, then a quantity range for each grade should be stated.
- Vessel in Coastal or Foreign run. This is a specific requirement for bunker supply in those countries where sale of FO is subject to CENVAT. In such cases, the vessel must explicitly mention the same.

2.5.2 Making an Offer

For the seller, making an offer requires the same degree of care and attention to detail that the buyer has to use in putting out his enquiry and assessing the offer he receives. In general, all of the elements of the offer are as detailed below, but the seller has to be sure before offering to do the job.

- **Price** - Prices may be offered in a general number of different combinations. The basic conditions of offer price is dependent on the market conditions, trader's cost of material, trader's margin, among others. Generally all suppliers in a port tend to offer similar prices there may be significant exceptions.

- **Delivery Method-** The offer should detail the delivery method and should state any particular restrictions associated with it. If the seller has the possibility to deliver concurrent with cargo operations, the same should be mentioned explicitly. The buyer needs to be aware that if the delivery is to be by truck, there may be issues concerning access to the vessel, the provision of additional hoses, and the time taken to deliver. Many countries prohibit truck deliveries at night and some prohibit them at weekends.

- **Concurrent Bunkering-** If bunkers can be taken at the same time as the vessel is loading or discharging its cargo, then the value of the time saved can be significant. However, there are restrictions with regard to availability of pipeline facility at berth, or availability of mooring clearance for the barge. As a result, it is not uncommon for the vessel to contact the bunker supplier prior to berthing. In addition there may be other costs associated with shifting the vessel to a lay berth or an anchorage to take bunkers which must also be accounted for (extra tugs, lay berth fees, missing a tide, etc.)

- **Quality-** The offer should detail the quality or grade being offered. If it is different from the grade requested, then it is advisable to indicate why the requested grade is not offered, if there are any particular exceptions and, if available, if there is a typical analysis.

- **Delivered Cost-** The offer should invariably state the delivered. Typically if a barge or road tank wagon (RTW) delivery is involved, there may be a minimum delivery charge that is stated clearly. With RTW deliveries it is sometimes necessary to use additional lengths of hose and usually incurs an additional cost, which should be stated.

  The cost of a barge delivery may be expressed on pro rata basis or may be a single down-payment, and may even be in a different currency. Generally barge charges are expressed simply in $/MT, but there may be a minimum charge levied as well. Barging is not invariably levied at all port, and is many times waived off. For instance, there are no barging charges in Singapore.

- **Pump back-** If the barge was loaded for one specific delivery and the ship could not take the full quantity, the remainder would be returned to the terminal where there will be a pump back charge levied for the time and fuel cost of pumping the oil off and possibly a downgrading charge if the product has to be returned to a tank that contains an inferior grade. The seller may also seek compensation if the value of the product has fallen because of market movements. However, there may be scope to use an increase in market level to offset some or all of the pump backcharge. Just because there is to be a barge delivery and a barge rate is quoted, that does not preclude other delivery costs in addition to the barge charge. The buyer must especially be aware of pipeline fees and wharfage where a barge delivery is scheduled at a terminal.

- **Other Costs** - There are other additional costs that may be charged, many of which are location dependent. The most common of these are:-

- Calling Costs (usually for bunker-only calls at anchorage or offshore), which normally encompass all the delivery charges
- Taxes (local and national)
- Overtime
- Pipeline fees
- Anchorage charges (some US locations)
- Harbour fees (some US locations)
- MARPOL compliance fee
- Fuel Surcharges on barge delivery costs
- Environmental protection fess and levies
- Ice surcharges
- Wharfage

Many sellers have a specific clause in their terms to cover additional charges.

- **Payment Terms** – This is one of the most important aspects that must be decided prior to supply of fuel. Depending upon the credit worthiness and relations of the operator with the supplier, the following modes of payment may be applied.
  - Payment by cash in advance – Payment before delivery, for new unknown customers, with bad or unknown credit rating
  - Payment xx days after delivery – Usually set at 30 days, this is the most common type of payment accepted in the bunker industry
  - Payment xx days after receipt of fax/electronic invoice.

The seller may require additional security for large invoices by means of an L/C. This particular requirement is discussed in more detail in following sections. The payment method is almost always is electronic transfer, although in some circumstances it may be acceptable to pay by cheque.

- **Sales Terms** - The offers should indicate the applicable sales terms and conditions imposed by both the buyer and supplier. In case of back-to-back

trading, the seller is not the supplier and may be using the supplier's terms rather than his own. This must be mentioned clearly.

- **Commissions** - If the enquiry is through a broker, the offer should either indicate if the price is net of commission or state the level of commission if commission is already in the price. Broker commission are usually in the range of $0.50 to $1.00 per MT.

- **Validity** - If the price has a specific validity then this should be stated clearly in the offer. In general, if no validity were stated, then the offer would be valid to close of business at the location where the seller's business is based If the buyer has asked for overnight validity of a price, this should be either confirmed in the offer or the offer should state that the price is not valid overnight. Usually, overnight validity requires an acceptance before the start of business at the seller's location on the following day.

2.5.3 Acceptance of Offer

Once an unconditional offer has been accepted and a price agreed, there is a contract in place (under English Law). The acceptance can be made by email, fax or telex.

However, the contract is not as rigid as it seems and the following flexibilities are allowed

- **Subject to:** It may so happen that there are still some details that need to be resolved in order to complete the contract. These can be very minor (subject to final confirmation of quantity), more significant and operational (subject to barge loading schedule) or potential deal breakers (subject to head owner's acceptance of specification). Both parties should make subjects very clear at the time of acceptance.

- **Date and quantity ranges allowed:** If there is flexibility on quantities and/or the delivery date then the cut- off dates for finalising this information should be agreed. A seller may require the range limits to be narrowed down at time of nomination. The issues for the seller are those of product availability and of exposure to price movements. If a range is agreed, the confirmation should state who will nominate the final quantity (buyer, agent, ship's master) and when the quantity must be declared.

- **Confirmation messages:** Both buyer and seller should send confirmation messages summarizing every element of the contract as per the enquiry and the accepted offer with details of any _subject', time limits on declarations and special instructions regarding the operation and invoicing. If an intermediary is involved, confirmation messages containing all relevant details must be sent to both principals.

2.5.4 Post Fixture Finalisation

Post finalisation of fixture, the following mentioned information may be exchanged between the master, buyer, and the supplier to ensure smooth operation.

- **Notices** - Buyer must ensure that the master of vessel and/or the agent communicate the ETA and ETB of the vessel and scheduling details to the local deliverer in accordance with the supplier requirements.

- **Time Limits for quantities / dates** - The buyer, vessel or agent must inform the final date/time for delivery and final quantities. The details for declaration of final quantities should be made clear in the confirmation messages.

- **Operational changes** - The buyer, vessel or agent must pass on any operational changes on the vessel programme to the deliverer. The deliverer also must inform any changes in schedule to the agent and seller who, in turn advice the vessel and buyer accordingly.

- **Invoice Processing** - The seller has a responsibility to obtain the documentary confirmation of the delivery (plus any note of protest) and to issue a correct and valid invoice to the buyer.

- **Payment Processing** - The seller must make sure that the invoice has full details to allow the buyer to pay in accordance with the agreed method. If the payment is late and the seller has correctly submitted the documents required in good time, then the buyer would be liable to pay interest as laid down in the terms of sale.

- **Document / Process control** - Many buyers, brokers, traders and suppliers use formal procedures to control and communicate the bunkering process. For instance, many use the Singapore Standard Code of Practice for Bunkering – SS600.

2.5.5 De-bunkering

There are occasions where the only resolution to a claim may be in removing the fuel from the vessel. There are other occasions where, for operational reasons, it is necessary to remove fuel from a vessel even though the fuel quality is good (such as a need to gain access to a fuel tank for mechanical repairs or to reduce the amount of fuel on board prior to dry dock).

Ship owners or time charterers can only claim reasonable losses. For example, where the fuel oil does not conform to the specification ordered, but may nonetheless be used by the ship with little or no risk to the ship, it would be unreasonable to incur the cost and the associated loss of time involved in de-bunkering. The bunker supplier would be able to argue that because the decision to de-bunker was unreasonable, they should not be liable for the costs involved.

Where it is unclear whether or not the ship can use the fuel oil supplied, the ship-owner should evaluate carefully the risks of doing so. The ship-owner should consider whether, in light of the information to hand, it could be considered reasonable to go to the time and expense of de-bunkering or to attempt to use the fuel oil because the risk of damage or difficulty is small. Factors that should be considered when making this evaluation include

- Whether there is a risk of damage and/or excessive wear to the ship's machinery
- Whether the ship's performance might be inhibited.

The following costs are associated with de-bunkering of a vessel, if so decided.

- **Quality survey costs** - When de-bunkering, it is critical to ascertain the actual quality of product removed (which may well be a blend of fuel mixed with fuel ROB). This will be checked by analysis of samples taken by a surveyor during the transfer and the cost will typically be between $1,000 and $1,500.
- **Quantity survey costs** - The quantity transferred will normally be taken from the receiving barge tanks and there will usually be monitored by a surveyor with a cost of about $1,000.

- **Barging hire** - The barge will have to be paid for from the time it leaves its terminal to the completion of the pumping off of the de-bunkered product. The time delay may extend up to few days to a week, depending upon the background legal proceedings. Hire rates vary according to the age, size and location of the barge but will be a matter of between $2,000 and $8,000 per day.

- **Storage costs** - If product has to be kept in storage onshore for a period (for example, whilst a ship is being repaired) then there will be a charge for storage. This is impossible to quantify as the charge varies by port and

berth. On an average, large quantities can be stored for a charge of about $1 per tonne per month, but smaller quantities can cost much more.

- **Cost of lost time of vessel** - This depends on the market rates for the vessel at the time and the ownership / charter arrangements. If the vessel has no immediate employment prospects then the time of the vessel is 'free'. If there is plenty of available work, then the vessel will lose employment valued at the current daily charter hire rate. If the lost time causes the vessel to miss a fixture for which she was already contracted, there may be other cost consequences.

- **Equipment hire** - It may be necessary to hire additional hoses or additional fendering to expedite the transfer from a ship to a barge.

- **Licenses, taxation and duties** - In many ports, de-bunkering requires special permissions from the port authorities. In case of countries where the Fuel is subject to CENVAT for domestic sales, that is waived off for export, then as the fuel loaded on to the barge/ship is duty free, there are Customs implications if it is 're-imported' or is 'imported' into a different country. Revenue authorities in major ports are familiar with de-bunkering and can accommodate this without too much red tape, but there are locations where the regulations make de-bunkering extremely difficult and expensive.

2.6 PHYSICAL BUNKER SUPPLY

There are mainly 3 methods of supplying the bunker to a ship, viz.

- Supply through tanks trucks by deploying mobile pumping unit.
- Supply through barges for vessels at anchorage, berth or at OPL.
- Supply through fixed pipeline for vessels at berth.

Various technicalities involved in supply by the three methods is discussed in the following sections

2.6.1 Supply through tanks trucks at berth

- **Master's Requisition** - Receipt of intent from the agent / master of vessel for quantity of fuel required along with specifications.
- Informing the Agent / Master regarding the port and method of Supply, date and time.
- Processing the documents for Customs / Port clearance.
- Indenting for Tank Trucks / Mobile Pumping Unit.
- Loading of Tank Trucks, Weighment, Sealing under customs supervision.
- Joint witness / signing of the Weighment slip by port, customs and surveyor.
- On arrival of the vessel at the jetty, discussions with the chief Engineer as under.
    - Test report & specifications of the product to be supplied.
    - Method of sampling for retention sample.
    - Method of supply, i.e. through mobile pumping unit.
    - Jointly singing of pre-bunkering check list.
    - Physical checking of cargo by vessel representative for quality & quantity.
    - Permission to connect the hose to vessel manifold and starting of physical bunkering.
- Start of physical pumping of cargo to the vessel.
- After completion of bunkering, singing and sealing of retention sample.
- Signing of bunker Delivery Note, Shipping Bill, Post Bunkering checklist.

2.6.2 Supply through fixed pipeline for vessel at berth

- Receiving of indent from the agent/ Master of vessel for quantity of fuel required along with the specification.(Master Requisition)
- Information the agent/Master about the method of supply and port of supply, date and time.

- Processing the document s for Customs/Port clearance
- Discussion with Liquid terminal and issuance of written note for pumping of cargo for bunker supply through fixed pipeline.
- Gauging of storage tank for stocks before pumping, witnessed by port, surveyor and customs.
- Bleeding of pipeline at jetty end for purging.
- Taking safety precaution, hose connection
- Discussions with the chief engineer as under:-
    - Test report and specification of the product being supplied.
    - Method of sampling for retention sample.
    - Method of supply i.e. pumping through pipeline.
    - Jointly signing of pre-bunkering checklist.
    - Physical checking of cargo, ullage and sampling by vessel representative and/or surveyor for quality and quantity.
    - Shipboard Oil Pollution Emergency Plan (SOPEP) and Ship Marine Pollution Emergency Plan (SMPEP) regulations
    - Permission to connect the hose to vessel manifold and starting physical bunkering.
- Start of physical pumping of cargo to the vessel.
- After completion of bunkering, ullaging of tanks, hose disconnection, signing and sealing of retention sample.
- Gauging of storage tank for stocks after pumping, finalization of OTR to determine the quantity delivered to the vessel.
- Signing of Bunker Delivery Note, 'KK' form for Sales-tax exemption, shipping bill, post bunkering checklist.

BUNKER DELIVERY DOCUMENTATION

Documentation is one of the most important parts of bunker delivery. In many countries there are custom clearance requirements for sale of fuel, and so documentation forms a very essential part.

The following is a list of all documents that may be required during bunker delivery in India. Note that, one or more of these documents may be replaced by other as per delivery method

- Master Requisition
- NOC from Agent
- Shipping Bill
- OTR (Out Turn Report)
- Pre/Post Bunkering check list
- Tanker Self Sealing
- Barge Self Sealing
- Sample Bottle
- MSDS (Material Safety Data Sheet)
- Landing Certificate
- Bunker Delivery Note
- Time Sheet for Vessel/Barge
- Tank Ullage Report
- Tanker Gate Pass
- Product Delivery Note
- Contractor Monitoring
- Supplier Feedback

2.7 DOCUMENTATION & CUSTOM FORMALITIES

Steps for Documentation (SEZ)

1. Receipt of requisition for bunker supply from master of the vessel/ agent, indicating port of supply, quantity, specifications, etc.

2. Preparation of Performa Invoice, indicating quantity, rate & amount, by CAPL.
3. Preparation of shipping Bill by the CHA.
4. Submission of shipping bill along with agent NOC & Performa invoice to SEZ authorities.
5. Clearing of Shipping Bill by Customs along with grant of permission to load the cargo in T/L or Barge under Customs supervision.
6. Indenting for Tank Lorries, Mobile Pumping Unit or Barge, depending upon mode of supply.
7. Supply of Bunker to the Vessel, endorsement by Master on Shipping Bill, Bunker Delivery Note, etc.
8. In case if short shipment/short delivery, than the quantity indicated in Shipping Bill, filing of short shipment for with customs.
9. Filing of EGM along with Shipping Bill (Duly signed by the Master for Receipt), with customs.
10. In case of supply of bunker cargo at another port by barge, i.e. other than the Port of loading, then landing certificated signed by PO and Master of vessel.
11. Receipt of Requisition for bunker supply from Master of the Vessel/ Agent, indicating Port of Supply, Quantity, Specifications, etc.
12. Preparation of Performa invoice, indicating quantity, rate & amount by CAPL.
13. Preparation of Shipping Bill by the CHA.
14. Submission of Shipping Bill along with Master's Requisition & Performa Invoice to customs, along with Bond U/S 59.
15. Clearing of Shipping Bill by Customs along with grant of permission to load the cargo in T/L or barge under Custom supervision.

16. Indenting for Tank Lorries, Mobile Pumping Unit or Barge, depending upon mode of supply.
17. Supply of Bunker to the Vessel, endorsement by Master on Shipping Bill, _KK' Form (for sales tax exemption), Bunker Delivery Note, etc.
18. In case if short loading/short delivery, than the quantity indicated in Shipping Bill, filing of short shipment form with customs.

19. Filing of EGM along with Shipping Bill (duly signed by the Master for receipt), with Customs.
20. In case of supply of bunker cargo at another port, i.e. other than the port of loading, then additional transit Bond U/S 67 is required along with B/G for 25% of the duty amount, to be submitted to Customs before clearing of Shipping Bill.

2.8 PAYMENT MODE

a) Letter of Credit

b) Advance Payment

2.8.1 Letter of Credit

In simple terms, a letter of credit is a bank undertaking of payment separate from the sales or other contracts on which it is based. It is a way of reducing the payment risks associated with the movement of goods. Expressed more fully, it is a written undertaking by a bank (issuing bank) given to the seller (beneficiary) at the request, and in accordance with the buyer's (applicant) instructions to effect payment — that is by making payment, or by accepting or negotiating bills of exchange (drafts) — up to a stated amount, against stipulated documents and within a prescribed time limit.

Why use a Letter of Credit?

The need for a letter of credit is a consideration in the course of negotiations between the buyer and seller when the important matter of method of payment is being discussed. Payment can be made in several different ways: by the buyer remitting cash with his order; by open account whereby the buyer remits payment at an agreed time after receiving the goods; or by documentary collection through a bank in which case the buyer pays the collecting bank for account of the seller in exchange for shipping documents which would include, in most cases, the document of title to the goods. In the aforementioned methods of payment, the seller relies entirely on the willingness and ability of the buyer to effect payment.

When the seller has doubts about the credit-worthiness of the buyer and wishes to ensure payment without risk, the seller can insist that the sales contract provides for payment by irrevocable letter of credit. Furthermore, if the bank issuing the letter of credit (issuing bank) is unknown to the seller or if the seller is shipping to a foreign country and is uncertain of the issuing bank's ability to honour its obligation, the seller can, with the approval of the issuing bank, request its own bank — or a bank of international repute such as JP Morgan, Scotia bank. BNP Paribas —to assume the risk of the issuing bank by confirming the letter of credit.

BENEFITS OF A LETTER OF CREDIT

To The Exporter/Seller

- Letters of credit open doors to international trade by providing a secure mechanism for payment upon fulfilment of contractual obligations.
- A bank is substituted for the buyer as the source of payment for goods or services exported.
- The issuing bank undertakes to make payment, provided all the terms and conditions stipulated in the letter of credit are complied with.
- Financing opportunities, such as pre-shipment finance secured by a letter of credit and/or discounting of accepted drafts drawn under letters of credit, are available in many countries.
- Bank expertise is made available to help complete trade transactions successfully.
- Payment for the goods shipped can be remitted to your own bank or a bank of your choice.

To the Importer/Buyer

- Payment will only be made to the seller when the terms and conditions of the letter of credit are complied with.
- The importer can control the shipping dates for the goods being purchased.
- Cash resources are not tied up.

2.8.2 Steps in an import L/C Transaction

- **The Sales Contract**

The sales contract is the formal agreement between the buyer and seller specifying the terms of sale that both parties have agreed upon. The contract should include: a description of the goods; the amount; the unit price; the terms of delivery; the time allowed for shipment and presentation of documents; the currency; and the method of payment.

- **Application & Agreement**

The bank's letter of credit application and agreement forms, when executed, constitute a payment and reimbursement contract between the issuing bank and its customer. It is also the customer's instruction to the issuing bank. The letter of credit must be issued exactly in accordance with the customer's instructions; therefore, it is important that the application be completed fully and accurately, so as to avoid the inconvenience of having to have the letter of credit amended. The agreement constitutes an undertaking by the customer to reimburse the issuing bank for drawings paid in accordance with the terms of the letter of credit, and normally takes the form of an authorization to debit the customer's account.

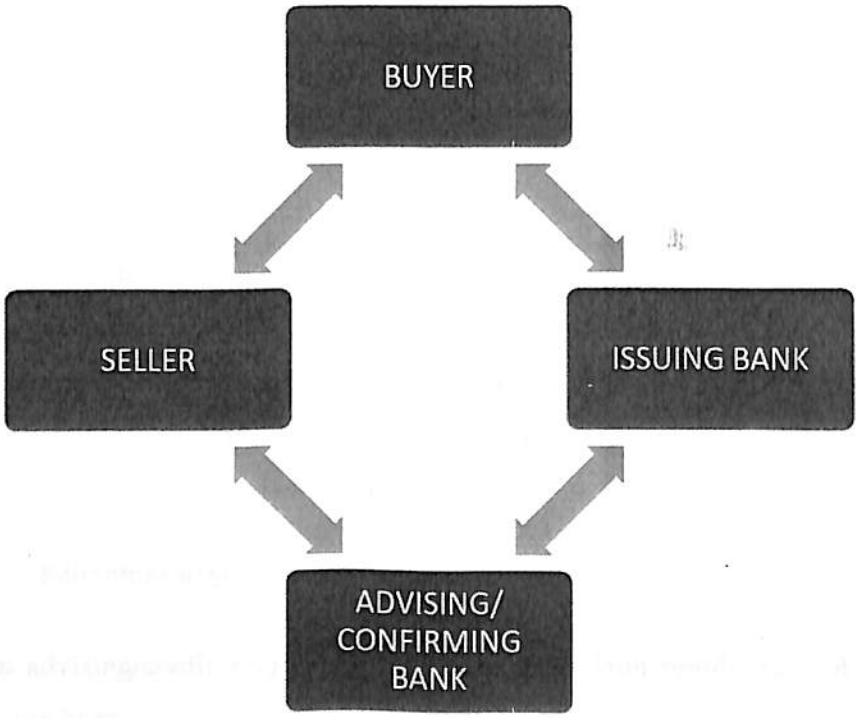
- **Issuance of the Letter of Credit**

The issuing bank prepares the letter of credit as specified in the application and forwards it by tele- transmission or airmail to the advising bank, (a branch or correspondent of the issuing bank). The issuing bank instructs the advising bank as to whether or not to add its confirmation, as per their customer's instructions.

- **Advising**

The advising bank forwards the letter of credit to the beneficiary (seller) stating that no commitment is conveyed on its part. However, if the advising bank has been asked to confirm the letter of credit and agrees to do so, it will incorporate

a clause undertaking to honour the beneficiary's drafts, provided the documents evidence that all terms and conditions of the letter of credit have been complied with.



2.8.3 Documents usually required for issuance of L/C

- Draft
- Commercial Invoice
- Consular or Customs Invoice
- Bill of Lading
- Air Waybill
- Insurance Policy or Certificate
- Certificate of Origin
- Inspection Certificate
- Packing List

2.8.4 Steps in an export L/C Transaction

- Shipment of Goods
- Presentation of Documents by Beneficiary

- Sending Documents to the Issuing Bank
- Delivering Documents to the Applicant

2.8.5 Payment Procedure

- **Payment**

On presentation of the documents called for under the letter of credit, provided they are in compliance with its terms, the advising/negotiating bank, in the case of an unconfirmed letter of credit, may pay/negotiate the draft. In the case of a confirmed letter of credit, the confirming bank is obliged to honour the drawing without recourse to the beneficiary.

- **Reimbursement**

The advising/confirming/negotiating bank will claim reimbursement from the issuing bank.

- **Settlement**

On receipt of conforming documents, the issuing bank will also be responsible for checking documents and will charge the applicant's account under the terms of the letter of credit application and agreement forms, effecting reimbursement to the negotiating bank.

2.8.6 Advance Payment

An advance payment, or simply an advance, is the part of a contractually due sum that is paid or received in advance for goods or services, while the balance included in the invoice will only follow the delivery. It is called a prepaid expense in accrual accounting for the entity issuing the advance.

A supplier may ask the buyer to make an advance payment before the bunker is physically supplied. This is usually done in cases when the Bunker Supplier's

credit lines are tight, and/or the firm is dealing with a new customer with unknown credit history. In such cases, the seller needs to send a Performa Invoice to the buyer, before any payment is received. In India a bunker seller can only receive an advance payment of US$ 1 Million, but there are no such restrictions in terms of advance payment amount in other countries.

The Indian Shipping Industry

By Kailash Srinivasan

3.0 The Indian Shipping Industry

3.1 OVERVIEW

Indian ports represent a promising sector for India, given the country's 7500-km long coastline, robust economic growth, abundant raw material, cost-competitive workforce and a strategic location on the trade map.

India's port infrastructure constitutes of 13 major ports and 187 non-major ports. Of the non-major ports, only about 148 are operational; while the rest are only fishing harbours. The 13 major ports are administered by the Central Government through the Ministry of Shipping, and non-major ports are under respective state governments. On the west coast, Kandla, Mundra, Mumbai and Cochin are major ports with lower taxes and excellent cargo handling and storage facilities. Similarly, on the east coast, Haldia, Kolkata, Chennai, and Tuticorin and Vizag are dominant ports and handle significant volumes.

Provisional Total Capacities of all Indian Ports, consolidated as on 31.05.2013 is estimated to be 1235.190 MMT

Gujarat emerged as the leading state in cargo handled. While Kandla port in Gujarat accounted for the highest share (~14 per cent) in major port traffic, non-major ports under the Gujarat Maritime Board collectively boasted the maximum minor port traffic (~71 per cent). This can be attributed to its proximity to the northern hinterland, pro-business government and a dynamic business community.

By data from Indian Port Association, during the first half (April- September) of 2012-13 major and non-major ports in India accomplished a total cargo throughput of 455.8 MMT reflecting an increase of 1.8% over the same period YOY. In contrast, non-major port's growth increased to 10.3% in the first half of 2012-13 compared to 8.2% in the corresponding period of 2011-12. **(Indian**

Port Association, May 2013). Figure3.1 below shows the Growth in India's GDP, vis-à-vis India and World Seaborne Trade.

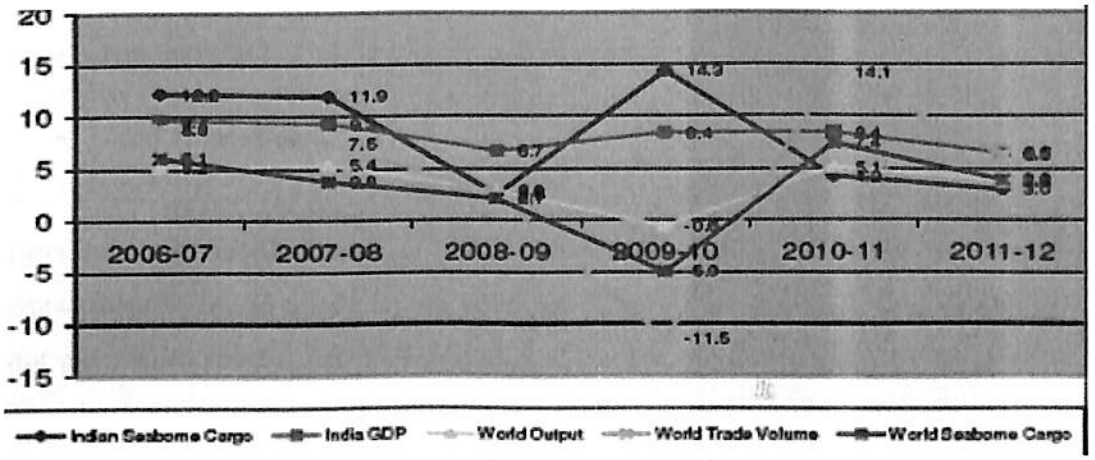


Figure3.1 Growth in India's GDP, and India Seaborne Trade (Source: Indian Port Association E-Magazine, May 2013)

Furthermore, it is also observed that Port traffic was at a 10-month high in January 2013on the back strong thermal coal and other cargo traffic and also because of rise in POL traffic. However, it declined again at the level of 47.65 MMT in March 2013. Ennore port reported highest increase of 45.75% YoY, followed by Paradip at 41.83% YoY, New Mangalore at 27.17% YoY, Kandla at 18.71% YoY, Tuticorin at 7.79% YoY, Kolkata 5.88% YoY and Visakhapatnam 2.51% YoY.

Although the sector witnessed significant growth in cargo traffic, it has still not been able to optimize operations owing to technical and institutional constraints. Some key issues are as under

- Capacity Constraints
- Inefficient Cargo Handling and Low Productivity
- Inadequate Drafts and poor connectivity with Other Modes
- Cumbersome Institutional Arrangements and Other Issues
- High Cost Structures

- Different Tariff setting framework for Major and Non Major Ports
- Port Security
- Land Acquisition

Infrastructure development in India is progressing at a rapid pace and consequently, increasingly larger volumes of cargo are handled, thus allowing not only the domestic but the international bunker market to grow by leaps and bounds.

Currently, the world's Bunker market is estimated to be around 200 million tons in size. By bunker volumes, the major bunkering hubs are identified as Singapore, Rotterdam, Fujairah and Houston. These port have been able to generate significant bunker volumes because of their ability to provide competitive prices in comparison to the international bunker market, their strategic location, fast delivery and turnaround times, world class infrastructure and due to a large number of both bunker-only and cargo calls.

In contrast, the Indian Bunker market at present handles a mere 1.5 MMT, as against Singapore's, Rotterdam's and Fujairah's bunker volume of 40 MMT, 30 MMT and 10 MMT, respectively.

The major reason why, India has not been able to attract sufficient volumes may be due to the following factors

- Price not Competitive
- Quality of Fuel and Bunkering Facilities Issues
- Bunkering at OPL not allowed, hence very little bunker only calls
- Government Policies and Taxes
- Comparatively high prices of Bonded Cargo

These factors have hindered the growth of the Indian Bunker Market to a great extent and have often discouraged vessels from taking bunker from Indian ports.

Today, a number of private and public companies have begun physical bunker supply at various major and minor ports of India. But irrespective of the number of players present the volume of bunker fuel being handled in the domestic market is nowhere in contrast to the vessel traffic handled by these ports, hence exhibit significant potential for growth.

Infrastructural development in India is progressing at a rapid pace and thus allowing not only domestic but also the international bunker market to grow rapidly. On the west coast, Kandla, Mundra, Mumbai and Cochin are major ports with low taxes and attractive prices. Barge deliveries are possible. The prices are attractive on the east coast as well. Haldia, Kolkata, Chennai, and Tuticorin are ports with lower pricing and excellent bunker delivery facilities.

The bunker prices in India must be brought to international levels if the bunkering potential has to be exploited in a big way. The difference in bunker prices in India and foreign ports significantly increases due to addition of sales tax, which varies from state to state.

3.2 PRESENT OPPORTUNITIES

India's trade sector is witnessing a long term and sustainable high growth trend driven by the rapid growth of the Indian GDP. International and domestic trade volumes are expanding rapidly and its impact is evident in the burgeoning traffic volumes of the shipping and ports sectors.

This growth trend is expected to continue over the medium term with India continuing to attract global capital inflows into manufacturing and infrastructure sectors and trade tie-ups with the US, EU and China and SE

Asian and South Asian trade blocs get cemented further. This growth in trade would, in turn, translate into additional opportunities and pressures on the Indian bunkering sector.

For ships plying on other international trade routes passing through the Arabian Sea and Indian Ocean, can use Indian ports for bunkering as the Indian coastline is strategically located and easily accessible on these routes.

3.3 PRESENT CHALLENGES

3.3.1 Infrastructural Challenges

- Indian ports still lag behind their international counterparts in terms of bunkering infrastructure. The sector is facing problems such as inadequate capacity, lack of infrastructure, high costs, in-experienced labour, and obsolete equipment.
- Bunkering infrastructure has not kept pace with port cargo handling infrastructure. A good example would be Mundra Port, with its state-of-art facilities for discharging coal, leading to very fast turnaround times for the bulkers. Unfortunately due to obsolete equipment, pumping rates are very slow in comparison to the bunkering hubs and it often happens that the vessel stay is not sufficient enough to lift the entire bunker quantity leading to short shipment of the fuel.
- Non-availability of Pipelines for bunkering at cargo Jetties and no dedicated bunkering terminal/jetties.
- Short supply of Bunkering barges along the Indian coast
- Non availability of ISO specs compliant fuels on all ports.

3.3.2 Taxation

- The taxation issue is the biggest hurdle in the development of the Bunkering industry in India.

- On the basic price there are tax levied (VAT, State surcharge, Toll tax, Octroi, CESS) which makes the price in India very uncompetitive compared to other countries.
- The taxation rules are not uniform throughout India. The taxes vary from state to state and are under the directive of the State Governments and not the Central Government. The tax rates are different for different states / grades and type of bunkers being supplied.
- There is added documentation due to the taxation and customs clearances adding to the complexity of the bunkering process

While sales volumes are a long way off those of Singapore, Rotterdam or Fujairah, there is no doubt that tax free or lower taxed bunker would mean much more competitive prices and consequently provide the much needed boost to the bunker market. The Indian government is beginning to take a greater interest in the development of the country's bunker market, with talks of further tax exemptions for international vessels. Introducing tax reductions, developing the port infrastructure and offering consistently competitive fuel prices would provide the added boost to enable strong growth of bunkering in India.

3.3.3 Procedural Challenges

- The tedious documentation procedures of the Indian customs authorities and the complicated Bunker duty calculations act as a hurdle in streamlining Bunker deliveries.
- Documentation and custom process can take up to 1-2 days in India and the time may vary from port to port.
- In India there are 13 major ports located in different states. Local and Public holidays impact the time taken to obtain custom clearances

3.3.4 Logistical Challenges

- FO traded in India are either imported or procured from PSU Refineries. If the product is imported, it needs a storage facility which is again an issue that needs to be resolved.
- On the other hand, if product is procured from refinery at the time of supply, on each occasion the Supplier needs to check the avails with the refineries. Furthermore, refineries have their own internal product planning, and so availability is not always certain.
- FO and Do sold in India is divided into three categories, viz. Bonded (Duty Free for Foreign Going Vessels), Duty Paid (For Coastal Run vessels) and Duty Paid for Foreign Run. From each parcel refineries decide the ratio of product to be sold in each category.
- In case Bonded product is not available, the supplier can take the product from Duty Paid stock for foreign going vessel, known as Duty Paid for Foreign Run, which again costs higher.
- All the above mentioned problems occur because of the differential CENVAT that is applied on products sold.

3.4 INFRASTRUCTURE DEVELOPMENT INITIATIVES

India's goal of emerging as a developed nation by 2020 depends on its ability to sustain growth of over 8.0 % annually over this decade. To achieve this, the Govt. of India has identified the development and modernization of the country's economic infrastructure as a priority step.

- The development and growth of ports and allied infrastructure in particular, is crucial as they play a very vital role in the country's overall economic development; for about 95% by volume and about 70% by value ($) of India's International trade is seaborne.

- The Govt. Of India in its National Maritime Development Plan (NMDP) has given detailed information regarding the Infrastructural

developments being carried out in ports across the nation and their expected impacts on the economic growth.

- NMDP has been giving due importance to the Ship Building industry with the revival of HSL and HDPEL, modernization and enhancing capacity of the public sector shipyards, setting up of two international shipyards and strengthening of NSDRC to enhance its design and research capabilities. All these initiatives, would enable the building of high capacity Bunker barges at lower costs than purchasing them from overseas shipyards.

- The Indian Government is considering further tax exemptions for International tonnages.
- Lower Tax Rates and Bonded bunkers are being made available at Indian Ports by Indian PSU's Refineries

- Some of the recent developments that have been taking place include, introduction of more high capacity barges; 380 cST fuel is now available at most major Indian ports; better compliance to ISO8217:2005 and Marpol Annex VI

3.5 TRAFFIC HANDLED at MAJOR PORTS

(in '000 TONNES)

PORTS	TRAFFIC		% VARIATION Y-O-Y
	2013	2012	
KOLKATA DOCK COMPLEX	2955	2743	7.73
HALDIA DOCK COMPLEX	7071	7270	-2.74
PARADIP	17001	11742	44.79

VIZAG	14566	14896	-2.22
ENNORE	6199	4176	48.44
CHENNAI	12833	13652	-6.00
CHIDAMBARNAR	6779	7274	-6.81
COCHIN	5251	4989	5.25
NEW MANGALORE	9667	8611	12.26
MORMUGAO	2672	9768	-72.65
MUMBAI	13279	15452	-14.06
JNPT	15592	16785	-7.11
KANDLA	23285	21163	10.03
TOTAL	**137150**	**138521**	**-0.99**

Table3.1 Traffic Handled at Major Ports (Source: Indian Ports Association, 2013)

As can be seen, there has been fair amount of variation in cargo handled. Most of the reductions in cargo handled at ports other than at Mormugao are not very significant, and are due to cargo being diverted to other port, and due to business cycle variations. The sharp reduction of 72.65% at Mormugao port is entirely due to a ban on iron ore mining in the State. Mormugao was India's premier Iron Ore Export Port, and both traffic at Mormugao and Iron Ore Exports have taken a beating due to this ruling. In a recent ruling on May13 this year, the SC has lifted the 8 month ban, and volumes can be expected to pick up again this year.

Table 3.2 below shows the traffic handled at major port (Iron ore and Coal) broken down cargo wise for the years 2012 and 2013

(In '000 Tonnes)

PORTS	TRAFFIC					
	IRON ORE		COAL			
			THERMAL		COKING	
	2013	2012	2013	2012	2013	2012
KOLKATA DOCK COMPLEX	158	-	-	-	37	3
HALDIA DOCK COMPLEX	1715	3943	1976	2346	4502	4939
PARADIP	1834	6687	21394	16404	4912	5474
VIZAG	12279	16243	2951	3189	6820	6874
ENNORE	-	-	14240	12646	685	465
CHENNAI	52	97	-	610	-	351
CHIDAMBARNAR	-	33	6661	6050	-	-
COCHIN	-	-	28	34	-	-
NEW MANGALORE	2616	3036	2553	-	4357	4022
MORMUGAO	7421	29370	768	1163	6605	5669
MUMBAI	-	-	4210	4321	-	-
KANDLA	1006	992	4064	4064	374	161
ALL PORTS	**27081**	**60401**	**58845**	**50827**	**28292**	**27958**
%VARIATION Y-O-Y	**-55.16**		**15.78**		**1.19**	

Table3.2 Cargo wise Traffic Handled at Major Ports (Source: Indian Ports Association, 2013)

Coal Trade and Shipping

4.0 Coal Trade and Shipping

4.1 OVERVIEW

Coal has many important uses worldwide. The most significant uses are in electricity generation, steel production, cement manufacturing and as a liquid fuel. Around 6.6 billion tonnes of hard coal were used worldwide last year and 1 billion tonnes of brown coal. Since 2000, global coal consumption has grown faster than any other fuel. The five largest coal users - China, USA, India, Russia and Japan - account for 76% of total global coal use. **(World Coal, 2013)**

Coal, mainly used in power generation, is the second most important primary energy source, and has a share of 30.3 per cent of global energy consumption. Data from **(IHS Fairplay, 2012 and Clakson Research Services 2012)** indicate that global coal consumption grew by 5.4 per cent in 2011 led by China rising by 8.4 per cent y-o-y.

Different types of coal have different uses. Steam coal - also known as thermal coal - is mainly used in power generation. Coking coal - also known as metallurgical coal or met coal - is mainly used in steel production.

The biggest market for coal is Asia, which currently accounts for over 67% of global coal consumption; although China is responsible for a significant proportion of this. Many countries do not have natural energy resources sufficient to cover their energy needs, and therefore need to import energy to help meet their requirements. Japan, Chinese Taipei and Korea, for example, import significant quantities of steam coal for electricity generation and coking coal for steel production.

Other important users of coal include alumina refineries, paper manufacturers, and the chemical and pharmaceutical industries. Several chemical products can be produced from the by-products of coal. Refined coal tar is used in the

manufacture of chemicals, such as creosote oil, naphthalene, phenol, and benzene. Ammonia gas recovered from coke ovens is used to manufacture ammonia salts, nitric acid and agricultural fertilisers. Thousands of different products have coal or coal by-products as components: soap, aspirins, solvents, dyes, plastics and fibres, such as rayon and nylon.

4.2 Coal Reserves

Coal reserves are fairly abundant and spread out across many regions. Figure 4.1 below shows major distribution fossil fuel reserves. As can be seen, there are significant coal reserves in USA, followed by Russia, China, ASEAN nations, India, EU, and South Africa. Due to many large projects that use Coal as a raw material, being commissioned China, Japan, and India, there is a huge demand of coal in the South and South-East Asian regions. China, despite having significant resources has been a net importer of coal since 2011. In India, the production is not able to match with the demand, and many Power Producers, Steel Manufacturers and Cement companies have turned to imports for meeting their demand.

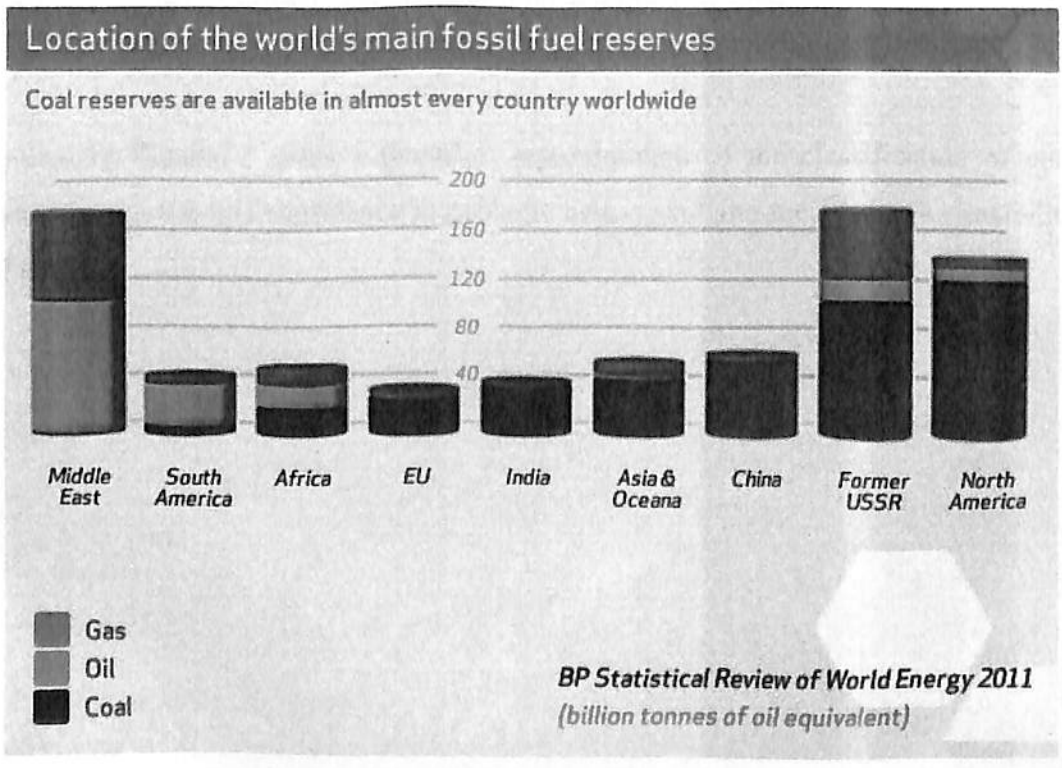


Figure4.1 World distribution of fossil fuel reserves (Source: BP Statistical Review of World Energy, 2011)

It has been estimated that there are over 861 billion tonnes of proven coal reserves worldwide. Therefore, at current levels of production and consumption, there is enough coal to last us around 112 years. In contrast, proven oil and gas reserves are equivalent to around 46 and 54 years at current production levels.

After centuries of mineral exploration, the location, size and characteristics of most countries' coal resources are quite well known. At this juncture, it is vital to understand the Coal industry differentiation between **Coal Resource** and **Coal Reserves.**

Coal Resource refers to how much coal is actually in the ground. The actual amount cannot be known, but is estimated based on both direct measurements and inferences from geology.

Coal Reserves of any particular place are defined as the amount of measured resource coal that could be expected to be economically mineable under the current economic, legal and technological conditions. Hence, coal reserves represent a small and changeable percentage of coal resources, changing based on the price of coal, the technology used to extract it, legal restriction and other factors.

Following Figure4.2 gives a graphical representation of the classification of coal based on the level of confidence in geologic assessment and the economic feasibility of mining.

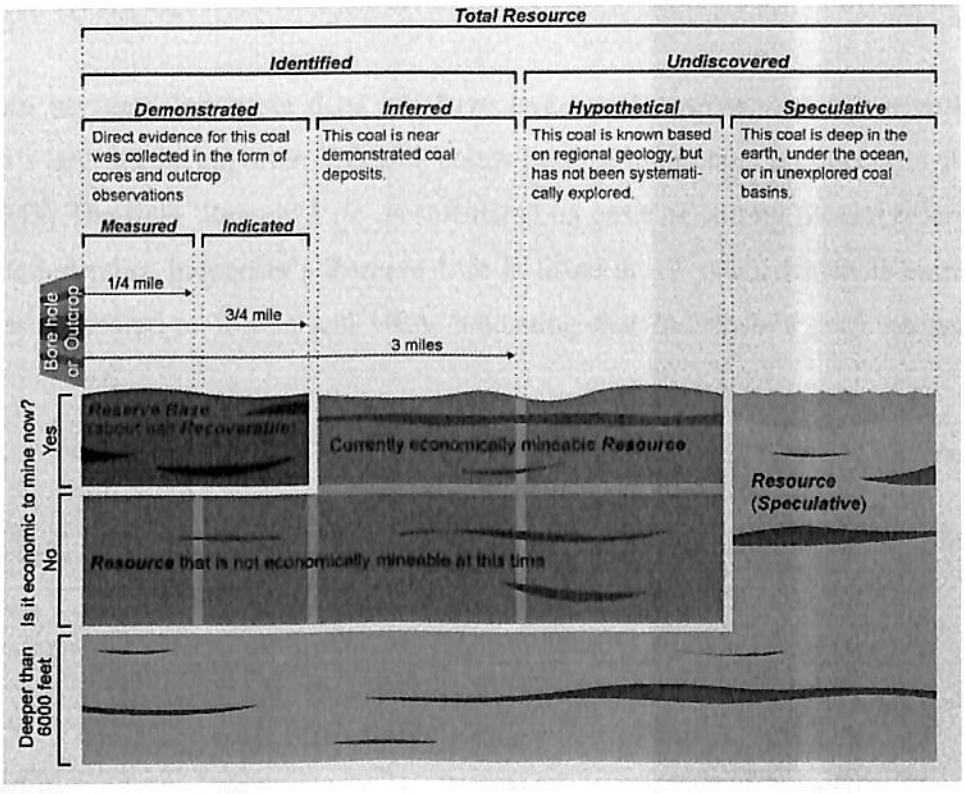


Figure4.2 Classification of Coal Resources (Source: http://www.groundtruthtrekking.org)

Figure 4.3 shows the distribution of Coal Reserves in equivalent British Thermal Units (BTU)

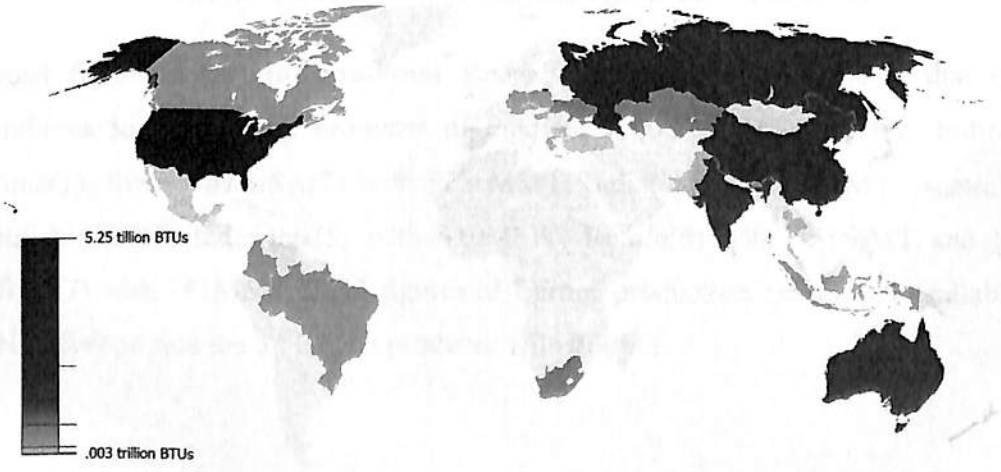


Figure 4.3 Coal Reserves in BTU (Source: http://www.worldcoal.org)

As can be seen, Indonesia does not have large coal reserves but is currently the world's largest coal exporter. Table4.2 below lists the major coal producers as at 2011 in MMT. The field 'Reserve Life' is calculated on basis of current proven reserves to production ratio. Indonesia's Reserve Life is listed at 17 years, which is extremely low as compared to Russia and USA, indicating that Indonesia's coal reserves are depleting fast.

(MMT)

Country	2008	2009	2010	2011	Share	Reserve Life (years)
China	2802.0	2973.0	3235.0	3520.0	49.5%	35
United States	1063.0	975.2	983.7	992.8	14.1%	239
India	515.9	556.0	573.8	588.5	5.6%	103
European Union	563.6	538.4	535.7	576.1	4.2%	97
Australia	399.2	413.2	424.0	415.5	5.8%	184
Russia	328.6	301.3	321.6	333.5	4.0%	471
Indonesia	240.2	256.2	275.2	324.9	5.1%	17
South Africa	252.6	250.6	254.3	255.1	3.6%	118
Germany	192.4	183.7	182.3	188.6	1.1%	216
Poland	144.0	135.2	133.2	139.2	1.4%	41
Kazakhstan	111.1	100.9	110.9	115.9	1.5%	290
World Total	6,795.0	6,880.9	7,254.6	7,695.4	100%	112

Table4.1 Major Coal Producers (Source: EIA, 2012)

Latest figures from **(International Energy Statistics, EIA)** indicate that China continues to be the top producer of coal with 3620 MMT in 2012. Following China(1), there was USA(2) with 922 MMT, India(3) with 629MMT, Australia(4) with 431MMT, Indonesia(5) with 410MMT, Russia(6) with 351MMT and South Africa(7) with 261MMT. 2012 figures of Europe production are not yet available. In 2011, Europe was the 3rd largest producer with 700MT.

(Million Short Tons, 1 short-ton = 0.90718 MT)

Country	2008	2009	2010	Share
Australia	278.0	288.5	328.1	27.1%
Indonesia	228.2	261.4	316.2	26.1%
Russia	115.4	130.9	122.1	10.1%
United States	83.5	60.4	83.2	6.9%
South Africa	68.2	73.8	76.7	6.3%
Colombia	74.7	75.7	76.4	6.3%
Canada	36.5	31.9	36.9	3.0%
Kazakhstan	47.6	33.0	36.3	3.0%
Vietnam	21.3	28.2	24.7	2.0%
China	68.8	25.2	22.7	1.9%
Mongolia	4.4	7.7	18.3	1.5%
Poland	16.1	14.6	18.1	1.5%
Total	1,087.3	1,090.8	1,212.8	100%

Table4.2 Major Coal Exporters (Source: EIA, 2012)

Latest figures from **(International Energy Statistics, EIA)** indicate that Indonesia has overtaken Australia as the largest Exporter. Indonesia exported a total of 309MMT in 2011 amounting to 27% of coal exports. After Indonesia, there was Australia exporting 284 MMT (24%), North America with 132MMT (11%), Russia with 125 MMT (11%), rest of USA with 98MMT (8%). South Africa was ranked 11th with 71MMT (6%).

Table4.3 below list the major importers of coal expressed in Million Short Tons as of 2010.

Country	2008	2009	2010	Share
Japan	206.0	182.1	206.7	17.5%
China	44.5	151.9	195.1	16.6%
South Korea	107.1	109.9	125.8	10.7%
India	70.9	76.7	101.6	8.6%
Taiwan	70.9	64.6	71.1	6.0%
Germany	55.7	45.9	55.1	4.7%
Turkey	21.7	22.7	30.0	2.5%
United Kingdom	49.2	42.2	29.3	2.5%
Italy	27.9	20.9	23.7	1.9%
Netherlands	23.5	22.1	22.8	1.9%
Russia	34.6	26.8	21.8	1.9%
France	24.9	18.3	20.8	1.8%
United States	37.8	23.1	20.6	1.8%
Total	1,083.2	1,039.8	1,178.1	100%

Table4.3 Major Coal Importers (Source: EIA, 2012)

Again, updated figures from **(International Energy Statistics, EIA)** indicate that Japan continues to be the largest importer of coal as at 2011, importing 176 MMT (16% of total coal imports). Japan was followed by China importing 174.63MMT (12%), South Korea 125MMT (12%) and India 79MMT (7%).

4.3 Classification of Coal

Coal is broadly classified into three major types namely anthracite, bituminous, and lignite. Coal is further classified as semi-anthracite, semi-bituminous, and sub-bituminous as well. Anthracite is the oldest coal from geological perspective, and occurs great depths. Due to high pressure and heat, it is a hard coal composed mainly of carbon with little volatile content and practically no moisture. In decreasing depths following anthracite, we find semi-anthracite, bituminous, sub-bituminous, semi-bituminous and finally lignite. In contrast to Anthracite, lignite is a soft coal with high volatile matter and moisture content with low fixed carbon.

4.3.1 GOI import regulations

There are no restrictions on import of most grades of coal. Or, in other words, there is no requirement of a special import license or the need to import via a designated PSU.

However, there is a differential duty system applied on various grades of coal.

Table4.4 below show the major consumers of various grades of coal, and the import duties applied on the same

Type of Coal	Major Consumer	Import Duty Breakdown				
		Basic Duty	CVD	Central Excise Edu. Cess	Customs Edu. Cess	Spl. Duty
Anthracite Coal	Metallurgy Chemical Home Heating	10%	6%	3%	3%	0%
Bituminous Coal	Power Metallurgy	55%	6%	3%	3%	0%
Steam Coal	Power Gen.	10%	6%	3%	3%	0%
Coking Coal	Steel Ind.	0%	0%	3%	3%	0%

Table4.4 Grades of Coal and Import Duties (Source: DGFT via eximguru)

4.3.2 Properties of Coal

Coal is graded, quoted, priced and traded on the following major properties.

- Gross Calorific Value (GCV)
- Volatile Matter
- Moisture Content
- Fixed Carbon
- Sulphur Content
- Ash Content
- Fusion Temperature

India's hard coal (Bituminous and Anthracite) reserves are estimated to be around 246 billion tonnes, of which 92 billion tonnes are proven. Hard coal deposits of 56 billion tonnes are spread over 27 major coalfields, mainly confined to eastern and south central parts of the country. The lignite reserves stand at a level around 36 billion tonnes, of which 90 % occur in Tamil Nadu.

Following Figure4.4 shows variations of above mentioned properties with different grades of coal

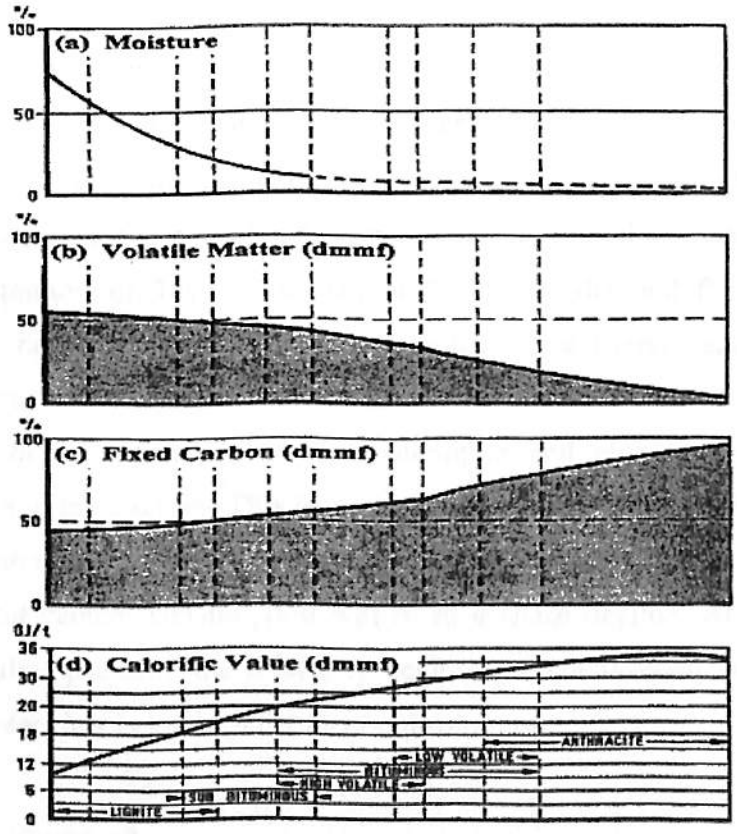


Figure4.4 Properties and Grades of Coal (Source: American Iron and Steel Institute)

4.4 USES of COAL

4.4.1 Coal & Cement

The cement industry requires energy to produce cement and coal is an important source of the energy needed.

Cement is critical to the construction industry – mixed with water, and gravel it forms concrete, one of the key construction materials available today. Varying the mix of cement, sand and aggregate enables concrete to be used in a range of applications. Products can be designed, coloured and shaped to accommodate a variety of environmental conditions, architectural requirements and to withstand a wide range of loads, stresses and impacts.

Over 3.3 billion tonnes of cement were consumed globally in 2010. This is 22% more than in 2007. China's cement consumption alone reached over 1.8 billion tonnes, or 38% more than in 2007. The demand for cement is a derived demand, as it depends on industrial activity, real estate, and construction activity. Studies **(Daugherty, 2008)** have shown that there is a direct linkage between cement consumption and global macro-economic growth and contraction. This was also evident during the oil shock of early 1970's and 1979-80 and also during the East Asian crisis in late 1990s, when the world cement consumption witnessed a sharp decline. At the opposite end of the spectrum, the relatively healthy growth in many economies, in recent years has helped spur cement consumption.

What is Cement?

Cement is made from a mixture of calcium carbonate (generally in the form of limestone), silica, iron oxide and alumina. A high-temperature kiln, often fuelled by coal, heats the raw materials to a partial melt at 1450°C, transforming them chemically and physically into a substance known as clinker. This grey pebble-like material is comprised of special compounds that give cement its binding properties. Clinker is mixed with gypsum and ground to a fine powder to make cement.

Coal is used as an energy source in cement production. Large amounts of energy are required to produce cement. It takes about 200kg (.2 MT) of coal to produce one tonne of cement and about 300-400 kg of cement is needed to produce one cubic meter of concrete **(World Business Council for Sustainable Development, 2002).**

Coal combustion products (CCPs), such as Fly Ash also play an important role in cement manufacture. Hence cement companies usually import thermal coal for use in their captive power plants, and use the residual fly ash for cement manufacture. The cement industry consumes about 10 MMT of coal annually. Since coalfields like Bharat Coking Coal Limited (BCCL), Central Coalfields Limited (CCL) supply poor quality of coal, the industry has to blend high-grade coal with it. However, non-coking coal and petroleum coke attracts a customs duty of 5%, which increases the cost of production in the sector. Hence, majority of cement producers rely on imports for meeting their demand.

Cement Production

Cement is produced in 156 countries world over. During 2008, the global production capacity of cement stood at around 2,872 MMT with China accounting for approximately 1,400 MMT and India at a distant second with total production of 183 MMT. The production of Cement is highly skewed with top ten countries together accounting for close to 70% of total cement production. With a total capacity of over 324 MMT as of May 2013, the Indian cement industry has emerged as the second largest market after China, surpassing developed nations like the USA and Japan.

Table4.4 below shows major players in the Indian Cement Industry

Name of cement company	Installed capacity(MT)
Grasim Industries Ltd	25.65
Ultra Tech Cement Ltd	24.3
JP Associates Ltd	17.15
India Cements Ltd	14.05
Madras Cement Ltd	13.72
Shree Cement Ltd	12
Dalmia Cement Ltd	9
JK Cement Ltd	8.42
Chettiand Cement	8.2
Century Tetxtiles And ind	7.8
Lafarge India P Ltd	7.55
Birla Corp Ltd	7.38
Kesoram Industries Ltd	7.25
Penna Cement Ltd	6.5
Binani Cement Ltd	6.25
Total Capacity held by majors(77 % of Industry)	175.22
Others (23 % of Industry)	51.68

Table4.5 Major Indian Cement Manufacturers (Source: S.S. Kothari Mehta & CO)

4.4.2 Coal & Steel Industry

Steel is an essential material for modern life. The manufacture of steels delivers the goods and services that our societies need – healthcare, telecommunications, improved agricultural practices, better transport networks, clean water and access to reliable and affordable energy.

Global steel production is highly dependent on coal. Metallurgical coal – or more popularly, coking coal – is a vital ingredient in the steel making process. World crude steel production was 1.4 billion tonnes in 2010. Around 721 MMT of coking coal was used in the production of steel.

How is Steel Produced?

Steel is an alloy of iron and carbon. Currently almost 70% of global steel is produced in Basic Oxygen Furnaces (BOF). Coking coal is converted to

coke, which is then used in the blast furnace to smelt iron ore. The resulting molten iron is then taken to the BOF, where steel scrap and limestone are added. A stream of high purity oxygen is blown through the molten bath to remove impurities, leaving almost pure liquid steel.

For producing steel by BOF, about 770 kg (0.8MT) of coal are required to produce 1 MT **(World Coal)**

Domestic crude steel production grew at a CAGR of 8.4% in the last few years and is projected to be around 110 MMT by 2012-13. Furthermore, infrastructure projects (like Golden Quadrilateral and Dedicated Freight Corridor) will give boost to the demand in the steel sector in near future.

The coking coal the industry consumes is mostly met by imports mainly due to the following reasons.

- High ash content in domestic coal
- Tends to have poor coke strength
- Domestic coking coal production has remained essentially flat for the past 10 years, gradually declining
- High GCV domestic coking coal unavailable, need for blending

4.4.3 Coal & Power Industry

Thermal coal is one of the most important and the most voluminous grades of coal traded. Over 40% of world's power generation is by thermal coal fired power plants.

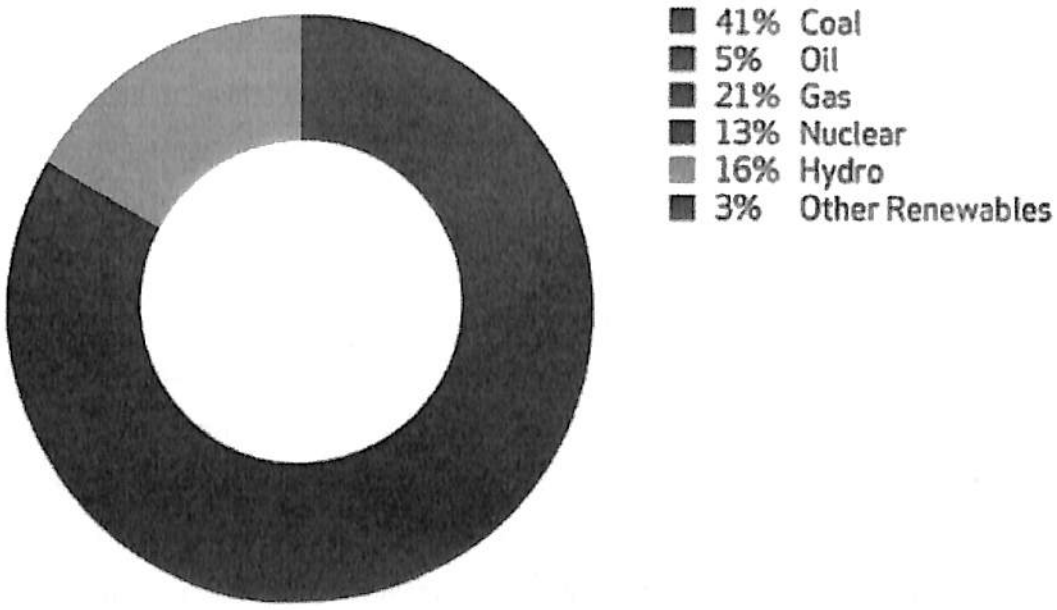


Figure4.5 World Electricity generation by Fuel (Source: IEA, 2011)

Coal is first milled to a fine powder, which increases the surface area and allows it to burn more quickly. In these pulverised coal combustion (PCC) systems, the powdered coal is blown into the combustion chamber of a boiler where it is burnt at high temperature. The hot gases and heat energy produced, converts water in tubes lining the boiler to steam. The boiling point of water and the pressure of the closed system are directly proportional. In other words, the boiling point of water increases with increasing pressure, implying an increase in the heat carrying capacity of water. In order to gain higher efficiencies, newer coal-fired power plants are using Super-Critical technology to generate electricity.

The high pressure steam is passed into a turbine containing thousands of propeller-like blades. The steam pushes these blades causing the turbine shaft to rotate at high speed. A generator is mounted at one end of the turbine shaft and consists of carefully wound wire coils. Electricity is generated when these are rapidly rotated in a strong magnetic field. After passing through the turbine, the steam is condensed and returned to the boiler to be heated once again.

The electricity generated is transformed into the higher voltages (up to 400,000 volts) used for economic, efficient transmission via power line grids. When it nears the point of consumption, such as our homes, the electricity is transformed down to the safer 100-250 voltage systems used in the domestic market.

As of April 2013 India had total thermal capacity of 151530 MW, Hydro 39491 MW and 3780 MW of nuclear power capacity. Indian government in the 12th Plan ending March 2017 has set an ambitious target of adding 88000MW in generation capacity. By reports from various sources, it is estimated that almost 33% of the installed capacity is idle due to lack of fuel. As a result, many power producers have turned to imports, mainly due to lack of domestic fuel, and also due to the low calorific value and higher ash content of the domestic coal.

On a positive note, Coal India Limited (CIL) achieved its highest ever increase of over 32 Million Tons (MT) in Coal off-take by supplying 465.19 MT during 2012-13. CIL supplied 343.79 MTs of coal to power utilities in 2012-13, and increase of 10.2% against the previous year.

4.5 India's Coal Imports

India, being a major steel and cement producer, and due to the fact that more than half of India's power is from coal fired power plants, there has always been demand for various grades of coal. India is aiming for an annual average growth rate of 9% during the next five year period starting April 1. This growth will bring increasing demand for power and steel, and consequently for the coal that is needed for both industries.

India's deficit in coal supply is likely to increase much faster than the proposed 6% increase in domestic supplies and hence, much greater volumes are expected this financial year. A number of economic experts say that China's power consumption growth rates are starting to come off the highs of recent years while domestic coal production and transport capacity growth are improving. Power consumption in China

grew 8.5% in 2012 while the nation is expected to add 200 million tonnes of coal production. Furthermore, Mongolia will also play an increasingly important role in supplying coal to China, implying that shipments from Indonesia, Australia and Africa may be diverted to India. As the world's largest thermal coal exporter, Indonesia is well placed to benefit from India's increased demand.

Dozens of Indian companies have invested in coal mines and coal companies in Indonesia in a bid to secure supplies for their plants in the long term and this investment flow shows no signs of slowing.

More than half of India's power generation is fuelled by thermal coal, but as domestic supplies struggle to keep pace with capacity growth in the power sector, power producers are increasingly looking towards imports for meeting their demand.

There is no import restriction as far as import of steam/thermal coal is concerned. Buyers have also been drawn to imports by weak global coal prices. Prices for Australian coal, the benchmark for Asia, have fallen about 30 per cent since a record high of $130 per tonne in 2011 and are down 8 per cent since the beginning of this year.

India's own thermal coal production rose 3.3 per cent in 2012/13 and was up just 0.76 per cent in April to 39.2 MMT **(EIA, 2012)**. It is reported that imports this year to March 31, 2014 could hit 165 MMT to meet the local supply shortfall, another record after total imports touched 135 MMT in 2012/13.

Figure4.6 below shows India's Steam Coal Imports, Figure4.7 showing Steam Coal Import sources over the last five years.

('000MT)

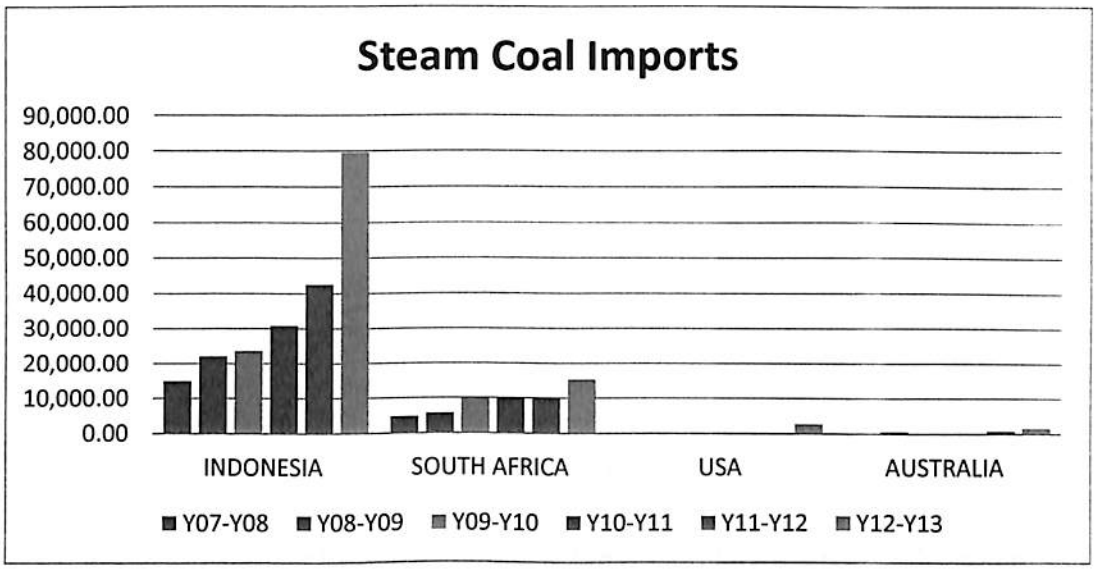


Figure4.6 Steam Coal Imports by Source (Source: Own Graph, Data from Chamber of Commerce EXIM Data Bank 2013, GOI)

As can be seen, Indonesia continues to be the top exporter of Steam coal to India, with exports touching 80 MMT this year. In comparison, South African coal lags far behind with only about 10 MMT this year.

Indonesian exports to China have been increasing on a monthly basis, although these increases have slowed in recent month, while exports to India are surging. However, in light of China's ruling to ban import of low-grade coal from Indonesia, increased demand from India could reassure Indonesian suppliers of alternate demand sources for at least some of its low-grade thermal coal.

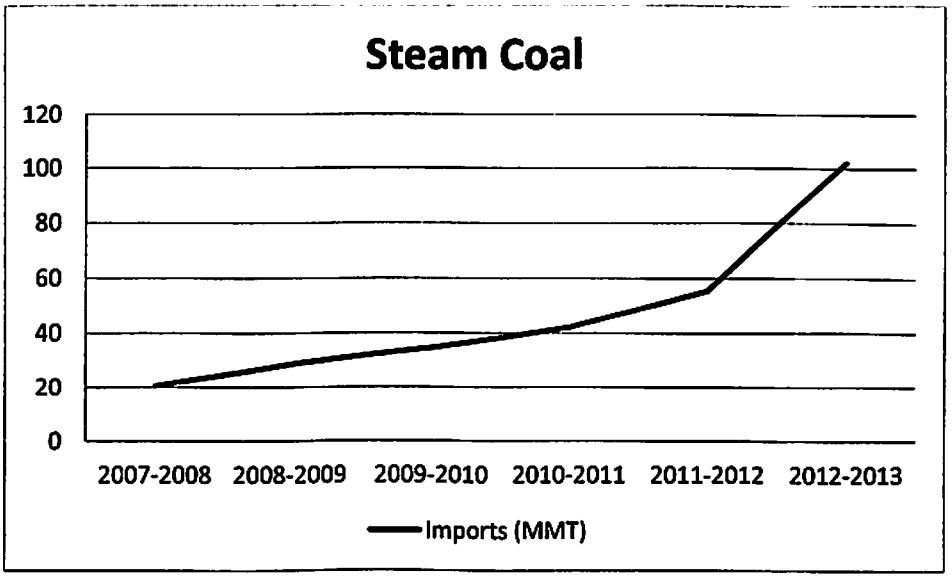


Figure4.7 Steam Coal Imports (Source: Own Graph, Data from Chamber of Commerce EXIM Data Bank 2013, GOI)

Figure4.8 below shows India's Coking Coal Imports, Figure4.9 showing Coking Coal Import sources over the last five years.

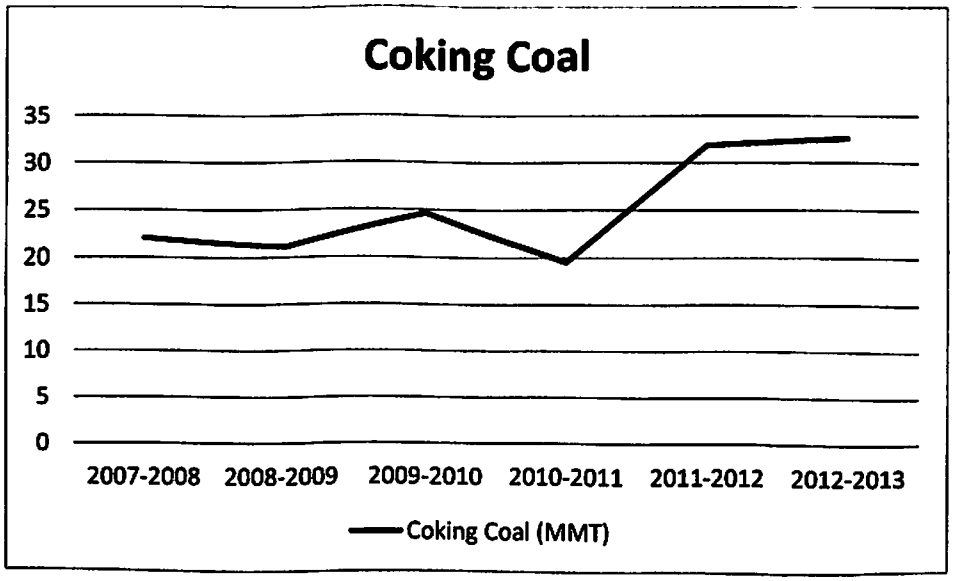


Figure4.8 Coking Coal Imports (Source: Own Graph, Data from Chamber of Commerce EXIM Data Bank 2013, GOI)

('000MT)

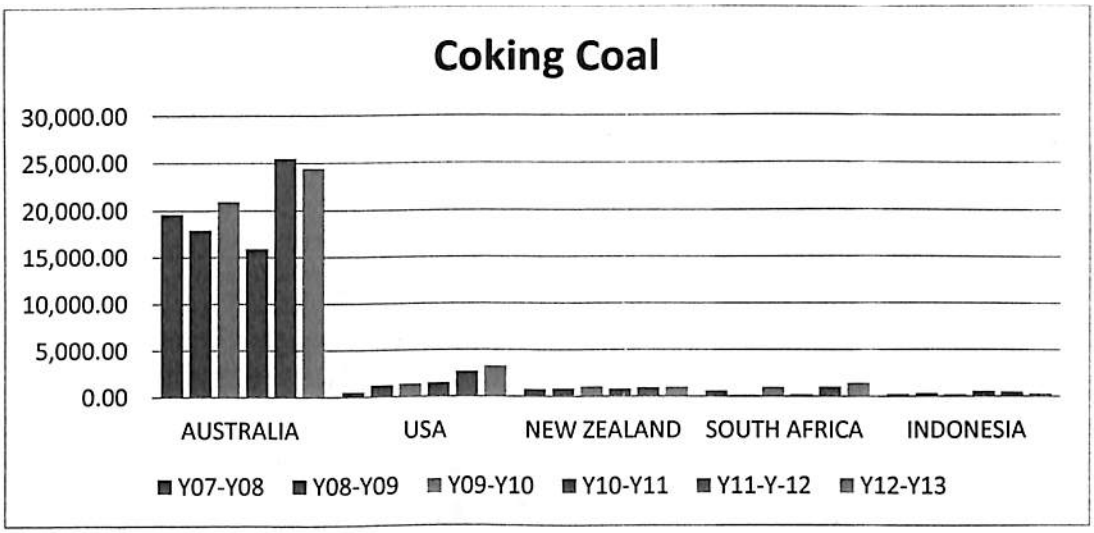


Figure4.9 Coking Coal Imports by Source (Source: Own Graph, Data from Chamber of Commerce EXIM Data Bank 2013, GOI)

As can be seen, Australia continues to be the top exporter of Coking coal to India, with exports touching 2.5 MMT this year. In comparison, coal from USA lags far behind with only about 0.5 MMT this year.

Data from **(Reuters Dry Bulk Update, 2013)** indicated that Coking coal imports fell 14 per cent in April as demand for the steelmaking ingredient slipped. However, imports of coking coal are expected to rise in 2013/14 overall, as additional steelmaking capacity boosts demand.

Figure4.10 below shows India's Bituminous Coal Imports by source over the last five years. As mentioned previously, the government has imposed a highly prohibitive duty system (55% basic duty) on bituminous coal, and so the volumes are miniscule compared to steam coal and coking coal imports. The year 2012-2013 saw an import of 0.3 MMT of bituminous coal, mainly from RBCT, South Africa.

('000MT)

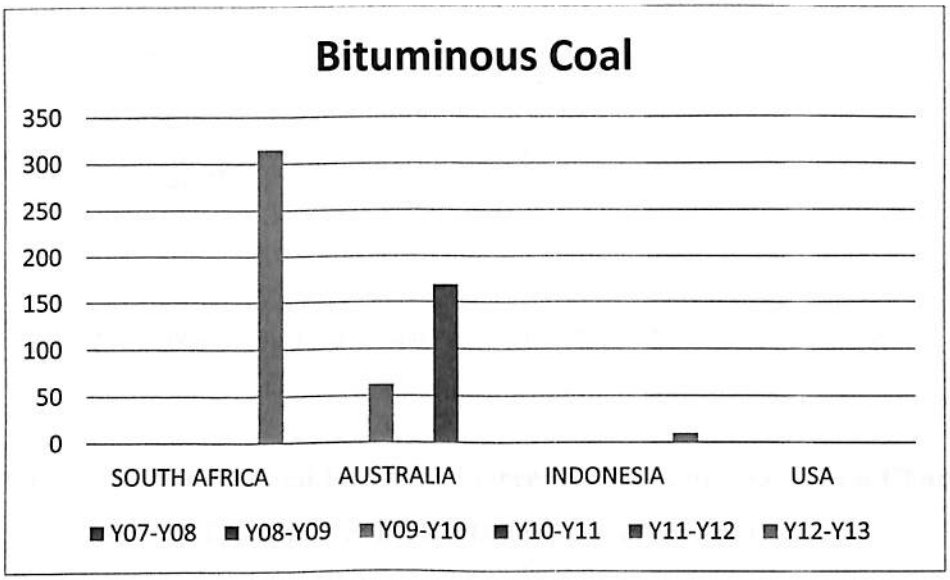


Figure4.10 Bituminous Coal Imports by Source (Source: Own Graph, Data from Chamber of Commerce EXIM Data Bank 2013, GOI)

Figure4.10 below shows India's Anthracite Coal Imports, Figure4.11 showing Anthracite Coal Import sources over the last five years.

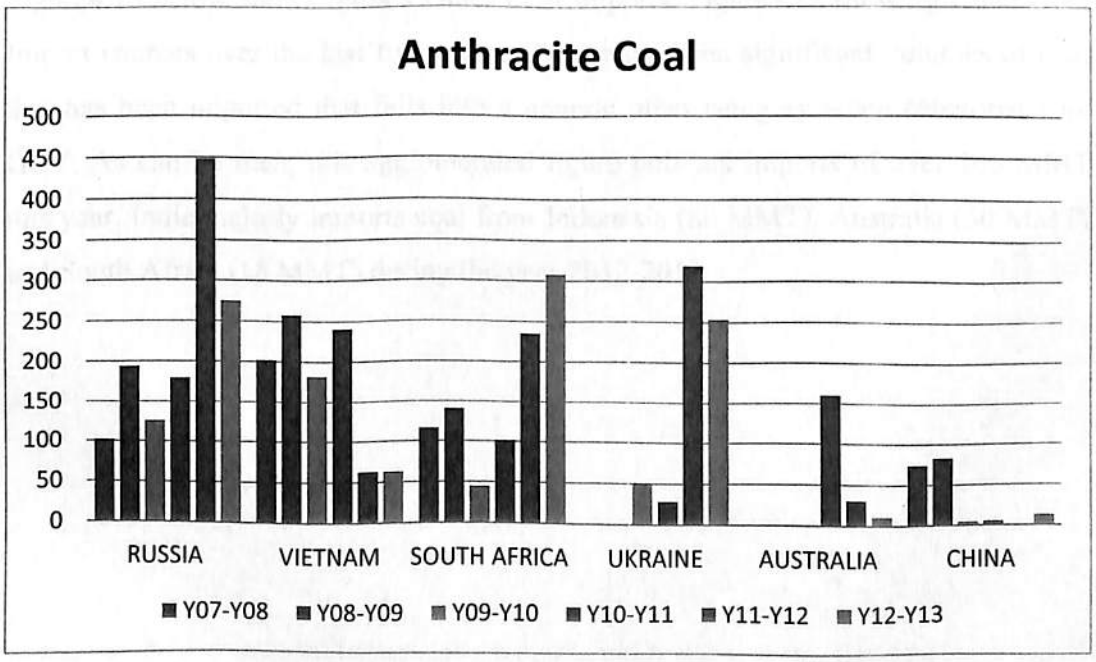


Figure4.11 Anthracite Coal Imports by Source (Source: Own Graph, Data from Chamber of Commerce EXIM Data Bank 2013, GOI)

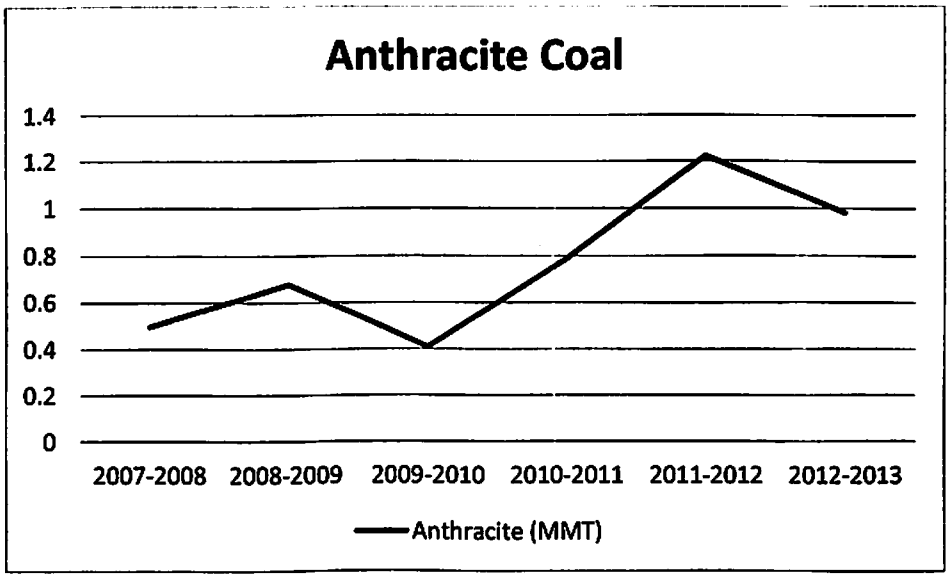


Figure4.12 Anthracite Coal Imports (Source: Own Graph, Data from Chamber of Commerce EXIM Data Bank 2013, GOI)

As can be seen, there have been fair bit of anthracite imports from South Africa, Russia and Vietnam this year. As there is no clear definition, it is difficult to track the movements of anthracite coal into India. In the year 2012-2013, Indian imported 2.5 MMT of anthracite coal from Russia, and a little over 3 MMT from South Africa.

Figure4.13 below shows India's Other Coal Imports, Figure4.12 showing Other Coal Import sources over the last five years. There have been significant volumes of coal that has been imported that falls into a generic other category when categorised by GCV. As can be seen, this agglomerated figure puts net imports of over 140 MMT this year. India majorly imports coal from Indonesia (80 MMT), Australia (30 MMT) and South Africa (18 MMT) during the year 2012-2013

('000 MT)

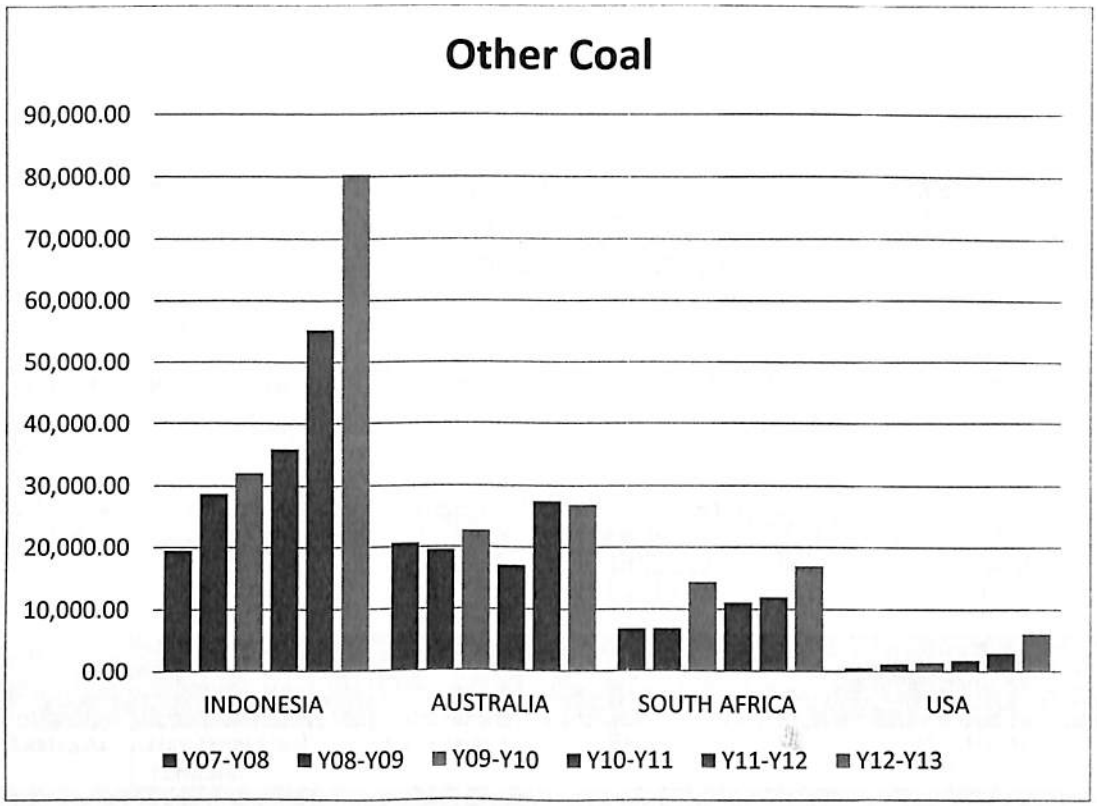


Figure4.13 Other Coal Imports by Source (Source: Own Graph, Data from Chamber of Commerce EXIM Data Bank 2013, GOI)

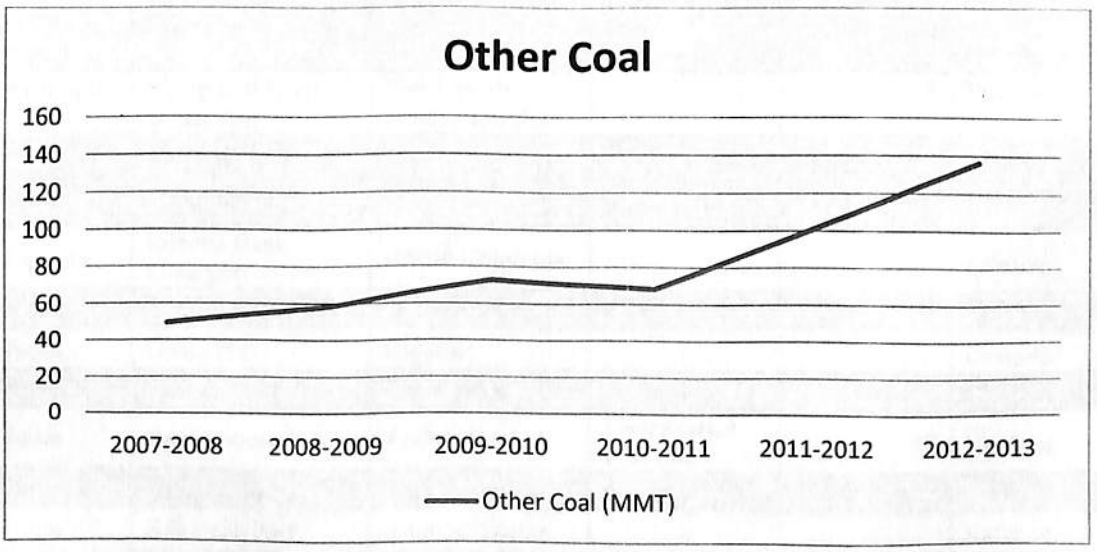


Figure4.14 Other Coal Imports (Source: Own Graph, Data from Chamber of Commerce EXIM Data Bank 2013, GOI)

4.6 Major Coal Handling Terminals

Country	Terminal	State/Province	Operator	Annual Capacity (MMT)	Status
Australia	**Abbot Point Coal Terminal**	**south of Townsville, Queensland**	**Adani Group**	**25**	**Expanding**
Australia	Balaclava Island Coal Terminal	north of Gladstone, Queensland	Xstrata Coal	20	Proposed
Australia	Barney Point Coal Terminal	Gladstone, Queensland		8	Existing
Australia	Brisbane Coal Terminal	Brisbane, Queensland	New Hope Corporation	18	Existing
Australia	Carrington Coal Terminal	Newcastle, New South Wales	Port Waratah Coal Services	25	Existing
Australia	Derby Export Facility	Derby, Western Australia	Rey Resources	3	Proposed
Australia	Fitzroy Terminal Project	Adjacent to Port Alma, Queensland		22	Proposed
Australia	Hay Point Coal Terminal	Queensland	BHP Billiton	45	Existing
Australia	Kooragang Coal Terminal	New South Wales	Port Waratah Coal Services	88	Existing
Australia	Port Kembla Coal Terminal	New South Wales		15	Existing
Australia	RG Tanna Coal Terminal	Queensland	Queensland Ports Corporation	70	Existing
Australia	Sheep Hill Deep Water Port	Port Lincoln, South Australia		5	Proposed
Canada	Westshore Terminals	British Columbia	Westar Management Ltd.	29	Expanding
Canada	Roberts Bank Superport	British Columbia			Existing
India	Bedi Port	Gujarat			Existing
India	Dahej Port	Gujarat			Existing
India	Ennore Port	Tamil Nadu			Existing
India	Gangavaram Port	Andhra Pradesh	Gangavaram Port Ltd.	10	Existing
India	Haldia Port	West Bengal			Existing
India	Kakinada Port	Andhra Pradesh			Existing
India	Kandla port	Gujarat			Existing
India	Karaikal Port	Puducherry			Existing
India	Krishnapatnam Port	Andhra Pradesh			Existing
India	Magadalla Port	Gujarat			Existing
India	Mormugao Port	Goa		7	Existing
India	Muldwarka Port	Gujarat			Existing

India	Mundra Port	Gujarat	Adani Enterprises	40	Existing
India	New Mangalore	Karnataka			Existing
India	Okha Port	Gujarat			Existing
India	Paradip Port	Orissa		20	Existing
India	Pipavev Port	Gujarat	APM Terminals		Existing
India	Porbandar Port	Gujarat			Existing
India	Port of Chennai	Tamil Nadu		15	Existing
India	Sikka Port	Gujarat			Existing
India	Tuticorin Port	Tamil Nadu		10	Existing
India	Visakhapatnam Port	Andhra Pradesh			Existing
Indonesia	Tanjung Bara Coal Terminal	East Kalimantan		27	Existing
Indonesia	Separi barge loading facility	East Kalimantan		20	Existing
Indonesia	Bontang Coal Terminal	East Kalimantan		19	Existing
Indonesia	Balikpapan Coal Terminal	East Kalimantan	PT Bayan Resources	15	Existing
Indonesia	Tanjung Jati Coal Terminal	Central Java		14	Existing
Indonesia	North Pulau Laut Coal Terminal	South Kalimantan	Arutmin	13	Existing
Indonesia	Suralaya coal terminal	West Java		11	Existing
Indonesia	Tarahan Coal Port	Sumatra		10	Existing
Indonesia	Muara Pantai Coal Terminal	East Kalimantan		7	Existing
Indonesia	Banjarmasin anchorage	East Kalimantan		6	Existing
Indonesia	Jorong Port	South Kalimantan		6	Existing
Indonesia	Samarinda anchorage	East Kalimantan		6	Existing
Indonesia	Sebuku anchorage	South Kalimantan		6	Existing
Indonesia	Padang, Teluk Bayur	Sumatra		4	Existing
Indonesia	Adang Bay Port	East Kalimantan		3	Existing
Indonesia	Bengkulu Port	East Kalimantan		3	Existing
Indonesia	Cigading anchorage	West Java		3	Existing
Indonesia	Jambi, Muara Sabak coal terminal	Sumatra		3	Existing
Indonesia	Muara Banyu Asin anchorage, Palembang	Sumatra		3	Existing
Indonesia	Pulau Baai Coal Terminal	Sumatra		3	Existing
Indonesia	Satui anchorage	South Kalimantan		3	Existing
South Africa	Port of East London	East Cape Province		2	Proposed

South Africa	Richards Bay Coal Terminal	Natal Province	Richards Bay Coal Terminal	76	Expanding
United States	Millennium Bulk Logistics Longview Terminal	Washington	Millennium Bulk Terminals	80	Proposed
United States	McDuffie Coal Terminal	Alabama		68	Expanding
United States	Gateway Pacific Terminal	Washington	SSA Marine	54	Proposed
United States	Lamberts Point Terminal	Virginia		48	Existing
United States	Port of Duluth	Minnesota		20	Existing
United States	CNX Marine Terminal	Maryland	CONSOL Energy	12	Existing
United States	Port of Baltimore	Maryland		9	Existing
United States	Myrtle Grove Midstream Terminal	Louisiana	Kinder Morgan Energy Partners	6	Expanding
United States	Port of Houston	Texas	Kinder Morgan Energy Partners	2	Expanding

4.7 Coal Imports in India: Pros and Cons of different countries

4.7.1 Mozambique

- Quality issues – high ash content
- Infrastructure development and mine to port connectivity is a major challenge and capital intensive
- Current ports are shallow, new rail and deep water ports necessary for full commercialisation
- Law & Order as well as political stability is a concern in long run
- Has freight cost advantage for India due to proximity
- However going by the existing constraints, total exports from Mozambique not expected to be more than 15 MMT before 2015

4.7.2 Mongolia

- Not conducive for Indian market due to obvious logistic constraint
- Has emerged as the major exporter to China
- Exports to China is done primarily through roads - poor roads & lack of rail infrastructure brings with it uncertainty of coking coal transportation in Mongolia
- Effective capacity of coking coal transportation to China to be not more than 25MMTPA in near future

4.7.3 Russia

- New capacity is dependent on expansion of ports
- Logistics becomes a major constrain for exports to India

4.7.4 USA

- Was recently offering coking coal to India in spot market at much cheaper rates of around $170 per tonne

- However recent rise in Atlantic freight has put the US miners in a disadvantage - now need to achieve USD 150 per tonne to USD 160 per tonne FOB to remain competitive
- Indian mills have already standardized their technical parameters to Australian specifications - moreover, Indian PSUs are inflexible on quality parameters

4.7.5 Indonesia

It is the largest thermal coal exporter to India. Future production of coal will come from East Kalimantan and Sumatra. Central Kalimantan has semi-coking and high calorific value thermal coal resource.

Pros

- Lowest freight charges to India
- Low cost of mining due to opencast reserve
- Availability of river network for transportation
- FDI allowed in coal mining

Cons

- Likely option of export of coal with low Calorific Value
- Meeting domestic market obligation (DMO)
- Future production from Sumatra and East Kalimantan will low CV high moisture coal
- Legal framework
- High logistic cost from Sumatra

4.7.6 Australia

It is the highest exporter of coking coal to India. Australia has superior grade coal reserve and offers suitable investment climate. Galilee, Surat and Gunnedah are emerging thermal coal regions but logistic is an issue.

Pros

- Superior quality of coal reserve
- Availability of state-of-art technology and human resources

Cons

- Constraints in ports and railway capacity
- Introduction of MRRT (Material Resource Rent Test) will squeeze import
- Landed cost of thermal coal from Australia to India is apparently high

4.7.7 South Africa

South Africa comprises of 30% thermal coal exports to India. Production from known coalfields is depleting. Limpopo province is an emerging region.

Pros

- Availability of superior quality thermal coal
- Availability of technology and human resources

Cons

- RBCT capacity constraints

4.7.8 Columbia and Venezuela

They have known source of coking and thermal coal reserve. This can be a new source for thermal and coking coal to India. Currently, these countries are primarily exporter of coal in Europe and USA.

Cons

- High maritime freight cost
- Investment in logistics required

Iron Ore Trade and Shipping

By Kailash Srinivasan

5.0 Iron Ore Trade and Shipping

Iron & steel is the driving force behind industrial development in a country. The vitality of the iron &steel industry largely influences its economic status. The mining of iron ore, an essential raw material for Iron & Steel Industry is arguably of prime importance among all mining activities undertaken by any country.

5.1 OVERVIEW

Demand for iron ore globally is linked primarily to the state of the global steel industry and, more specifically, to steel manufacturing in China. China is the largest steel producer and consumer in the world, accounting for more than two-thirds of global seaborne iron ore imports. In 2011, global steel production increased 6% to 1.5 billion tonnes, of which 683mt were produced in China, an increase of 7%. China's iron ore needs were also met by domestic iron ore production, which rose by approximately 7% to 305 MMT.

The world reserves of crude iron ore are estimated to be around 170 billion tonnes. The iron content in the iron ore reserves is estimated to be around 80 billion tonnes. The world reserves of crude iron ore and iron content by principal countries is given in Table5.1

Country	Reserves	
	Crude ore	Iron content
World : Total (rounded)	**170000**	**80000**
Australia	35000	17000
Brazil	29000	16000
Canada	6300	2300
China	23000	7200
India*	7000	4500
Iran	2500	1400
Kazakhstan	3000	1000
Mauritania	1100	700
Mexico	700	400
Russia	25000	14000
South Africa	1000	650
Sweden	3500	2200
Ukraine	6000	2100
USA	6900	2100
Venezuela	4000	2400
Other countries	12000	6000

Table5.1 World Iron Ore Reserves (Source: Indian Minerals Handbook, 2012)

In 2010, the world production of iron ore was 2,611 million tonnes as against 2,277 million tonnes in the previous year. China, Australia, Brazil, India and Russia were the principal producers. China, Australia, Brazil, India and Russia were the principal producers. The world production of iron ore is given in Table5.2.

Country	2008	2009	2010
World : Total	**2213**	**2277**	**2611**
Australia	342	394	433
Brazil	351	331	372
Canada *	32	32	37
China	824	880	1071
India **	213	219	208
Iran	38[e]	34	34[e]
Kazakhstan	21	46	50
Russia	100	92	95
South Africa @	49	55	59
Sweden	24	18	25
Ukraine	73	66	78
USA	54	27[e]	49
Venezuela	19	14	14
Other countries	73	69	86

Table5.2 World Production of Iron Ore (Source: Indian Minerals Handbook, 2012)

5.2 INDIA'S IRON ORE RESOURCES

India's total resources amount to over 28.52 billion tonnes of hematite (Fe2O3) and magnetite (Fe3O4).

About 59% hematite ore deposits are found in the Eastern Sector. About 92% magnetite ore deposits occur in Southern Sector, especially in Karnataka. Of these, hematite is considered to be superior because of its higher grade. As per UNFC system, the total resources of hematite as on 1.4.2010 are estimated at 17,882 million tonnes of which 8,093 million tonnes (45%) are under 'reserves' category and the balance 9,789 million tonnes (55%) are under 'remaining resources' category. By grades, lumps constitute about 56% followed by fines (21%), lumps with fines (13%) and the remaining 10% are black iron ore, not-known and other grades.

Major resources of hematite are located in Odisha - 5,930 million tonnes (33%), Jharkhand - 4,597 million tonnes (26%), Chhattisgarh - 3,292 million tonnes (18%), Karnataka - 2,159 million tonnes (12%) and Goa – 927 million tonnes (5%). The balance resources of hematite are spread in Andhra Pradesh, Assam, Bihar, Maharashtra, Madhya Pradesh, Meghalaya, Rajasthan and Uttar Pradesh.

India's 97% magnetite resources are located in four states, namely, Karnataka - 7,802 million tonnes (73%) followed by Andhra Pradesh - 1,464 million tonnes (14%), Rajasthan - 527 million tonnes and Tamil Nadu - 507 million tonnes (5% each). Assam, Bihar, Goa, Jharkhand, Kerala, Maharashtra, Meghalaya and Nagaland together account for the remaining 3% resources.

5.3 PIG IRON PRODUCTION

Pig iron is one of the basic raw materials required by the foundry & casting industry for manufacturing various types of castings. The main sources of pig iron have traditionally been majorly the integrated steel plants of SAIL, followed by plants of Tata Steel Ltd, Rashtriya Ispat Nigam Ltd. and Essar Steel. Domestic production of pig iron lags behind demand and so significant efforts are being made to increase pig iron manufacturing facilities in the secondary sector. As a result there was considerable interest from private players in setting up new pig iron units especially in the post-liberalised period. This has resulted in drastic change, in the contribution of private/secondary sector units from merely 8% in 1991-92 to about 89.6% by 2010-11. In 2010-11, about 5.54 MMT of pig iron was produced. The share of private/secondary producers in the years 2009-10 and 2010-11 was around 87.6% and 89.6%, respectively, despite the unprecedented increase in the price of imported coking coal.

The production of iron ore constituting lumps, fines and concentrates was at 208 million tonnes in the year 2010-11, showing a decline of about 5% as compared to the preceding year.

Figure5.1 below shows the production of Iron Ore y-o-y, Table5.3 below shows major Pig Iron Producers in India

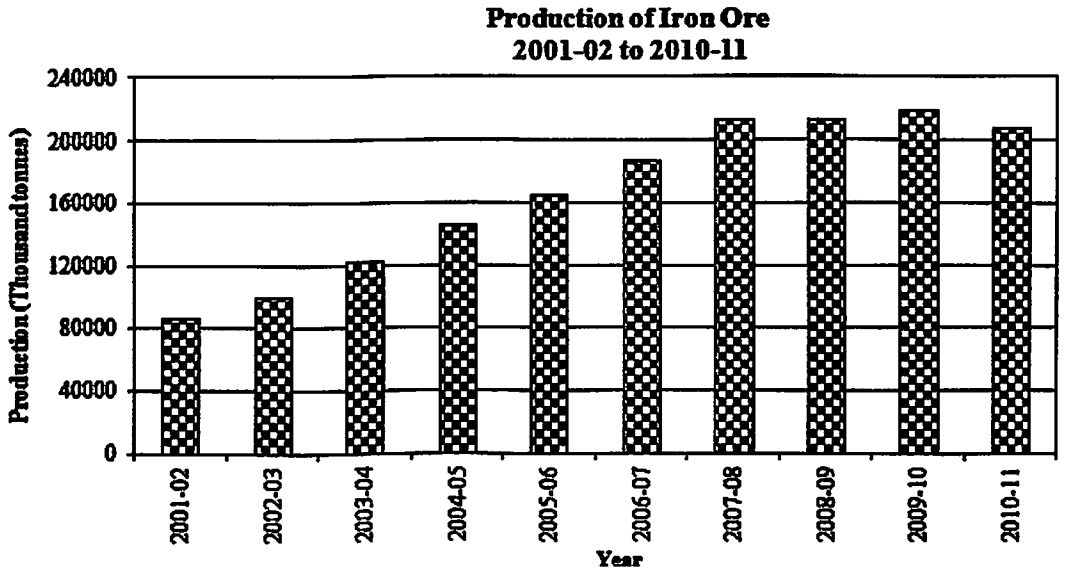


Figure 5.1 Production of Iron Ore in India (Source: Indian Minerals Handbook, 2012)

Sl.No.	Unit	Location	Capacity
1.	Lanco Industries Ltd	Chittoor, Andhra Pradesh	1.65
2.	Sathavahana Ispat Ltd	Anantapur, Andhra Pradesh	1.20
3.	Jayaswal NECO Industries Ltd	Raipur, Chhattisgarh	7.50
4.	Sesa Goa Ltd	Bicholim, Goa	1.80
5.	Usha Martin Industries	Jamshedpur, Jharkhand	1.10
6.	JSW Steel Ltd	Bellary, Karnataka	7.20
7.	Kalyani Ferrous Industries Ltd	Koppal, Karnataka	1.20
8.	Kirloskar Ferrous Industries Ltd	Koppal, Karnataka	2.40
9.	KIOCL Ltd	Mangalore, Karnataka	2.27
10.	Usha Ispat Ltd	Redi, Maharashtra	3.00
11.	Ispat Metallics India Ltd	Dolvi, Raigad, Maharashtra	20.00
12.	Kalinga Iron Works	Barbil, Keonjhar, Odisha	1.70
13.	Kajaria Iron Castings Ltd	Durgapur, West Bengal	1.10
14.	Electrosteel Castings Ltd	Khardah, West Bengal	1.10
15.	Tata Metaliks Ltd	Kharagpur, West Bengal	0.90

Table5.3 Location and Capacity of Principal Pig Iron Units (Source: Indian Minerals Handbook, 2012)

5.4 SPONGE IRON PRODUCTION

India is the largest producer of sponge iron in the world. Sponge is produced from iron ore by using non-coking coal. Direct reduced iron (DRI), commonly referred to as sponge iron, is a metallic material formed by reduction of iron oxide at temperatures below the fusion point of iron. The installed capacity of sponge iron has also increased over the years from 1.52 million tonnes in 1990-91 to currently at 34.9 MMT which includes 3 gas-based units having 9.3 MMTPA.

5.5 WORLD IRON ORE EXPORTS

In December 2012, Australia's exports hit a record annualised rate of 592 million tonnes before dropping back to 494 million tonnes in February, as adverse weather and higher prices impacted exports.

Brazil's exports also hit a record level of an annualised 364 million tonnes per year in December before falling back to 275 million tonnes in February. That said, the majority of growth in seaborne iron ore shipments in recent years has come from Australia – exports from Brazil have been fairly stagnant while the country has struggled to bring new projects on stream and falling ore grades have affected iron content.

Interestingly, Brazil and Australia used to supply roughly the same tonnage of iron ore to the seaborne market in 2007 but Brazil's were 40 percent lower than Australia's basis December's record exports.

5.6 WORLD IRON ORE DEMAND

Demand for seaborne iron ore from countries other than China is expected to be around 420 MMT. Given that China is expected to require 1.140 billion tonnes of iron ore this year, it could need to source 375 MMT domestically, up from an estimated 300 MMT in 2012.

Following Figure5.2 shows the seaborne Iron Ore Demand by location, Figure5.3 shows major Iron Ore exporting nations from 2009 to 2012.

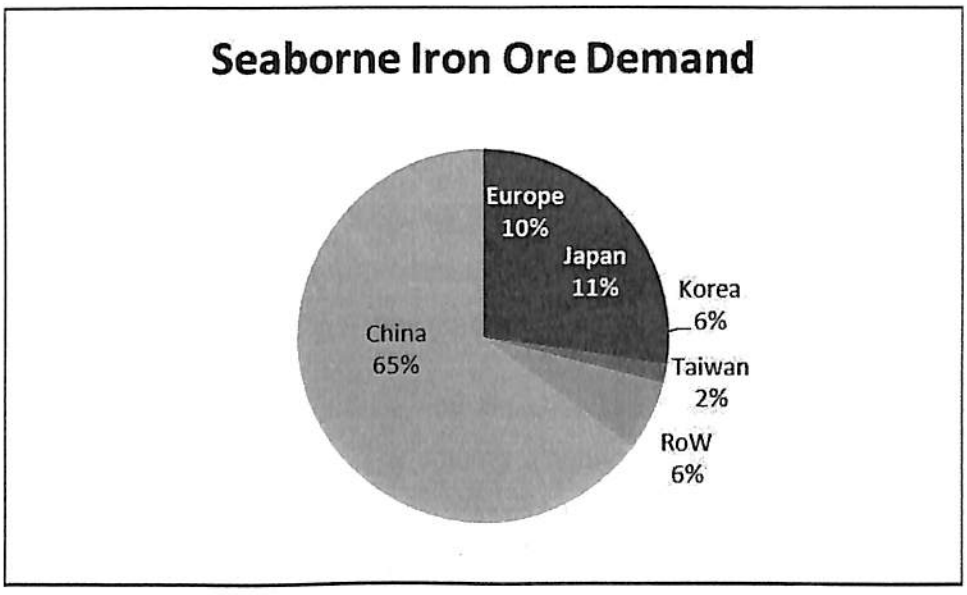


Figure5.2 Seaborne Iron Ore Demand (Source: Iron Ore Analysis and Forecast Q1 2013, Fastmarkets)

('000MT)

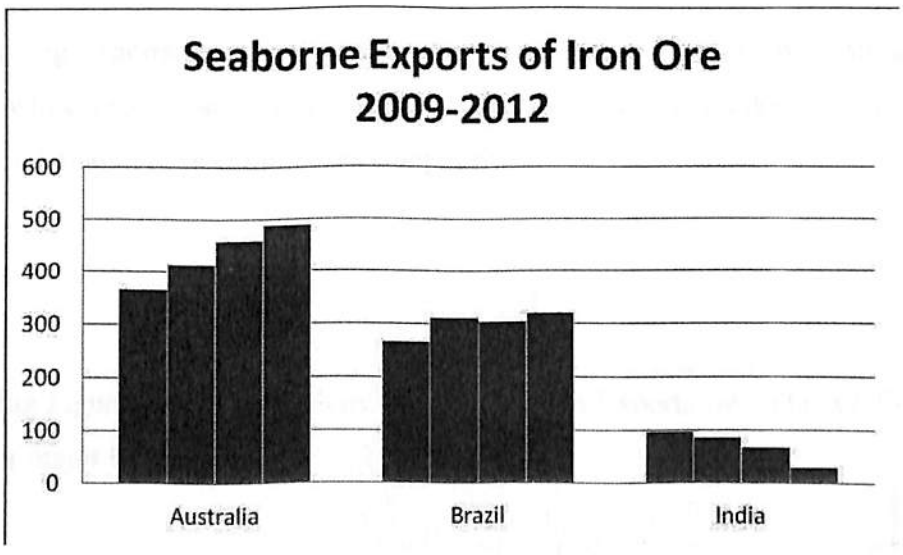


Figure5.3 Iron Ore Exports (Source: Iron Ore Analysis and Forecast Q1 2013, Fastmarkets)

5.7 INDIA'S IRON ORE EXPORT

India's exports of iron ore have been annihilated in recent years to an annualised rate of 8 million tonnes per year in the second half of last year, from 81 million tonnes in 2011 and a peak of 119 million tonnes in 2009. Government intervention has forced some miners to cut output if they are believed to be operating without legal permits

and the government also seems to be reacting to pressure groups that want to keep iron ore production for domestic steel mills.

India has historically produced enough iron ore to meet its domestic demand, but imports by Asia's third-largest economy tripled to 3 million tonnes in the year ended 31 March after output from top producing states Karnataka and Orissa fell due to a court-mandated clampdown on illegal mining.

Production has since picked up following steps to clean up the sector of practices such as mining outside allotted areas. The country's output of iron ore is estimated to have fallen to about 140 MMT tonnes in the year ended 31 March 2013, from 207 MMT in the previous year 2011, after a ban on mining in Karnataka and Goa. Output was 167.3 million tonnes for the year ended March 2012

Karnataka has opened some of its mines since late last year on the orders of the Supreme Court.

By reducing exports, more ore is available to domestic mills and possibly at lower prices, while at the same time supply to the international market is cut, thereby making international steel mills less competitive.

Following Figures5.4 and 5.5, show India's Iron Ore Exports over the last five years and their major locations.

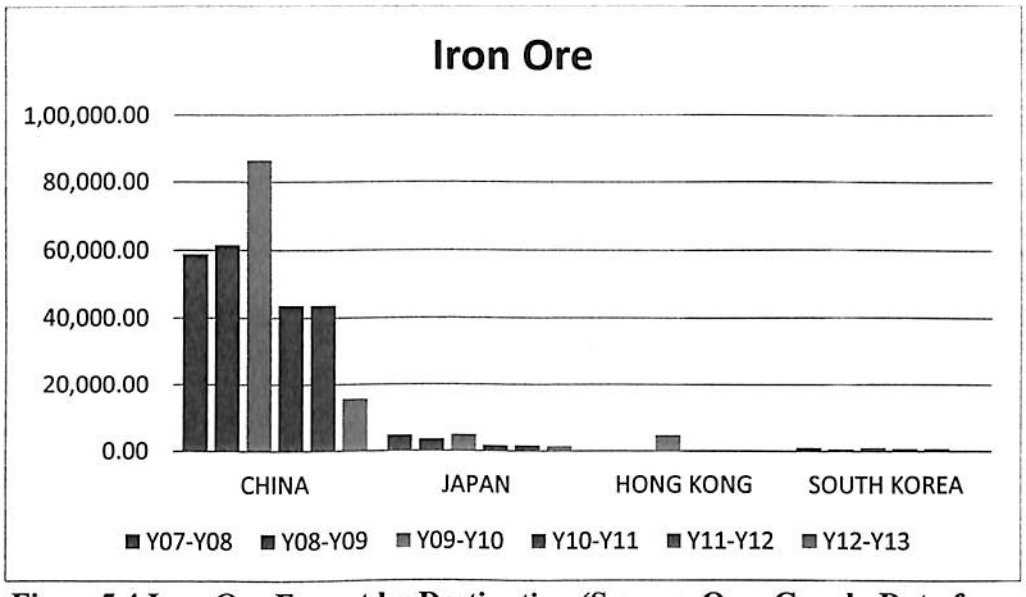


Figure5.4 Iron Ore Export by Destination (Source: Own Graph, Data from Chamber of Commerce EXIM Data Bank 2013, GOI)

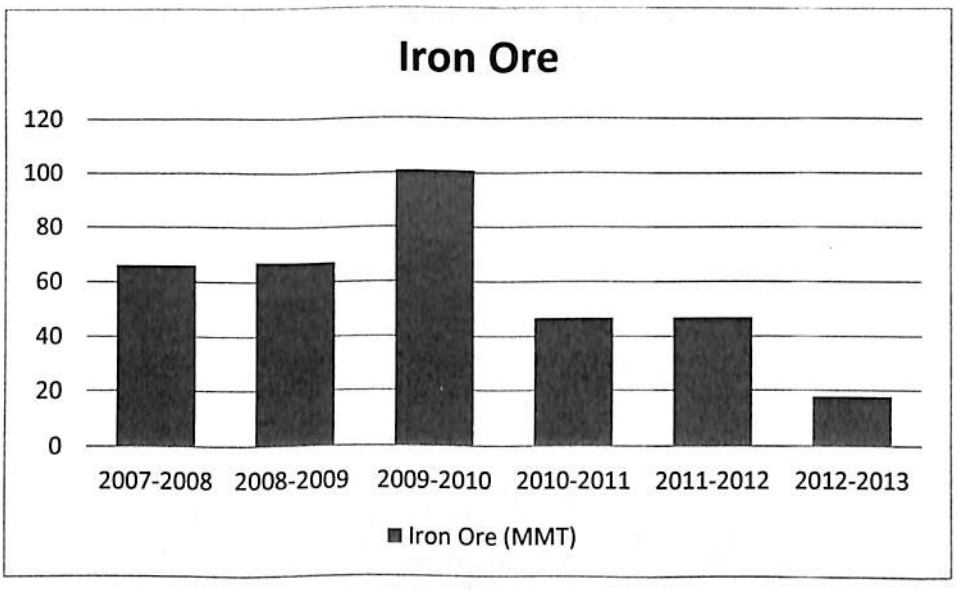


Figure5.5 Iron Ore Exports (Source: Own Graph, Data from Chamber of Commerce EXIM Data Bank 2013, GOI)

Exports of iron ore decreased to 46.88 MMT in 2010-11 from 101.53 million tonnes in the previous year. In terms of value too, the iron ore exports rose to ` 21,416 crore in 2010-11 from, ` 28,366 crore in 2009-10. The exports in 2010-11 in terms of volume comprised iron ore fines (92%), iron ore lumps (7%), and iron ore

concentrates & iron ore pellets (1%). Exports were mainly to China (91%) and Japan (3%).

5.8 FUTURE OUTLOOK

The Working Group for 12th Plan, Planning Commission of India has estimated that the production of iron ore would be about 374 MMT by 2016-17 at 8% growth rate. The apparent consumption is estimated at 218 MMT by 2016-17 at 8% growth rate. It was pointed out that to promote the domestic steel industry assured iron ore linkages need to be promoted, to achieve the national goal to produce 200 MMTPA of steel by 2020. Acquisition of technology assets abroad pertaining to application of low grade iron ore and other technology for pig iron, sponge iron and palletisation would help bring in sustainable growth of this vibrant and dynamic sector.

Food Grain Trade and Shipping

By Kailash Srinivasan

6.0 Food Grain Trade and Shipping

6.1 OVERVIEW

India, once known for its famines, has come a long way in achieving food self-sufficiency. Not only that, India has been a major food grain exporter since the last decade, and our presence in the world market is growing rapidly. India is blessed with large open acreage of very fertile land, diverse climatic conditions, allowing a variety of crops to be grown.

Agriculture is a critical sector of the Indian economy. Though its contribution to the overall Gross Domestic Product (GDP) of the country has fallen from about 30 per cent in 1990-91 to less than 15 per cent in 2011-12, a trend that is expected in the development process of any economy, agriculture yet forms the backbone of development. An average Indian still spends almost half of his/her total expenditure on food, while roughly half of India's work force is still engaged in agriculture for its livelihood. During 2010-11, food grains production was 244.78 MMT, comprising of 121.14 MMT during Kharif season and 123.64 MMT during the Rabi season. Of the total food grains production, production of cereals was 226.54 million tonnes and pulses 18.24 MMT. As per 2nd advance estimates for 2011-12, total food grains production is estimated at a record level of 250.42 million tonnes which is 5.64 million tonnes higher than that of the last year production. Total food grain production for 2012-13 will be 250 million tonnes, up from an average of 200 million tonnes in 2000-05. The government buys all production offered to it, which leads to the wheat and rice mountain. However, as there is storage for only 47 MMT, the rest sits outdoors, covered by tarpaulins.

The government wants to boost exports as a way to manage this surplus. Reuters reports that India hopes to export six million tonnes of wheat in 2013 and allow private exporters to ship another two million, moving it into the ranks of the top 10

global exporters. The government faces strong budget stress, but its farm support and food subsidization programs are popular and national elections slated for next year mean there is little likelihood of cuts. India's ability to continue expanding depends a lot on monsoon rains and groundwater irrigation, but at some point, water shortages will limit production.

6.2 WHEAT PROFILE

Wheat is an important ingredient in many foods and hence is the largest consumed and traded edible commodity. Wheat production in India has had a fantastic year, and it is expected to have government-owned stores of 100 MMT of wheat and rice when harvest of the winter crops is complete this June.

To put that in perspective, Canada's total grains and oilseed production last summer was 70 million tonnes. After droughts in the first half of the 2000s and strong food price inflation, India has tried to boost food self-sufficiency by providing attractive base prices for crops and subsidizing fertilizer costs.

India's MY 2013/14 wheat production is forecast higher at a record 95.2 MMT on higher yields due to favourable March weather, which will propel government wheat procurement under the price support program to a record 44.1 MMT, about a 16-percent increase over last year's record procurement. MY 2012/13 government procurement of rice is also ahead of last year, estimated at 29.2 million tons through March 24, 2013, compared to 28.6 million tons last year during the corresponding period. Riding on back-to-back record procurement of both wheat and rice, the government-held food grain stocks on June 1, 2013, are forecast to balloon to a record 90 million metric tons.

With the total storage capacity available to the government estimated at around 71 million tons, the mammoth food grain stocks will pose an unprecedented storage crisis for the government, wherein a large quantity of wheat will be stored in the open, susceptible to damage and losses from monsoon rains, temperature changes, pests/rodents and pilferage. In an effort to lower the stocks to manageable level, the government has approved exports of an additional 5 MMT of government-held wheat from Punjab and Haryana by private traders. The government has already allowed

exports of 4.5 million tons of wheat by government parastatals. The government will have to lower the proposed floor prices for exports under the new scheme to be viable, further increasing the implied export subsidy on wheat exports from government stocks.

Given the outlook for another record crop, local wheat in the open market in Uttar Pradesh is expected to be available during the peak marketing period of April-July at around INR 12,500-13,000 ($231-241) per ton. After accounting for transport/rail freight (INR 1,500-1,800 per ton) from Uttar Pradesh to Gujarat ports and unloading/FOBing charges (INR 800-900 per ton), the open market wheat will be available for export at around INR 14,800-15,700 ($274-291) per ton FOB seaport. The open market MY 2013/14 wheat is likely to be better in quality than the year-old MY 2012/13 government wheat. In addition, the Food Corporation of India's requirement of 100-percent advance payment for the consignment even before it's lifted from the warehouse is likely to be another major disincentive for the private trade to source government wheat for exports. With the government floor price for old crop wheat simply too high to be attractive for private trade, the government has not been able to work out the modalities for exports under the new scheme more than three weeks after approval of the Group of Ministers.

6.2.1 Wheat Production

Wheat is the main cereal crop in India. The total area under the crop is about 29.8 million hectares in the country. State wise area coverage, production and yield are given at annex I and main varieties of wheat grown in India are given at annex II. 1.2 The production of wheat in the country has increased significantly from 75.81 million MT in 2006-07 to an all-time record high of 94.88 million MT in 2011-12. The productivity of wheat which was 2602 kg/hectare in 2004-05 has increased to 3140 kg/hectare in 2011-12. The major increase in the productivity of wheat has been observed in the states of Haryana, Punjab and Uttar Pradesh. Higher area coverage is reported from MP in recent years. Table6.1 below shows World's wheat production and India's share.

Year	World Production in million MT	Indian Production in million MT	India's % share
2001-02	584	72.77	12.46
2002-03	569	65.76	11.56
2003-04	555	72.15	13.00
2004-05	627	68.64	10.95
2005-06	619	69.35	11.20
2006-07	596	75.81	12.72
2007-08	607	78.57	12.94
2008-09	685	80.68	11.78
2009-10	679	80.8	11.90
2010-11	653	86.87	13.30
2011-12	694	93.9	13.53
2012-13(proj.)	654	86	13.15

Table6.1 World Wheat Production (Source: India Wheat Market Report, 2013)

Major wheat exporters are USA, Russia, Australia, Canada, Argentina, Ukraine and Kazakhstan. India has just entered in global wheat market after six-seven years gap. However, increasing production has provided opportunity for India to be a regular exporter. The Table6.2 below shows the export performance, year wise, for major exporters, and projection for ongoing season.

T	United States	Russia	Canada	Australia	Ukraine	Argentina	Kazakhstan	Turkey	India
2000/01	28.90	0.70	17.32	15.93	0.08	11.33	3.97	1.60	1.57
2001/02	26.19	4.37	16.27	16.41	5.49	10.28	3.98	0.75	3.09
2002/03	23.14	12.62	9.43	9.15	6.57	6.80	6.24	0.79	4.85
2003/04	31.52	3.11	15.84	18.03	0.07	9.47	4.12	0.84	5.65
2004/05	29.01	7.95	14.87	14.72	4.40	11.90	3.08	2.02	2.12
2005/06	27.29	10.66	16.02	16.01	6.46	9.64	3.95	3.21	0.80
2006/07	24.73	10.79	19.43	8.73	3.37	10.72	8.16	2.38	0.09
2007/08	34.36	12.55	16.12	7.49	1.24	11.21	7.92	1.72	0.05
2008/09	27.64	18.39	18.88	14.75	13.04	6.79	6.15	2.24	0.02
2009/10	23.93	18.56	19.04	14.83	9.34	5.10	8.25	4.27	0.06
2010/11	35.08	3.98	16.58	18.66	4.30	9.49	4.86	3.02	0.07
2011/12	28.56	21.60	17.50	24.00	5.30	11.80	11.00	3.67	0.75
2012/13E	32.66	9.00	19.50	21.00	6.00	5.50	7.00	3.20	4.50

Table6.2 World Wheat Export Performance (Source: India Wheat Market Report, 2013)

Major wheat importers are Egypt, Indonesia, Algeria, Japan and South Korea. India has enormous opportunity in these markets except Egypt. As global wheat production is set to decrease due to rough weather, import requirements in these countries are bound to increase. The following table shows the balance sheet of major importing countries. With the continuation of export Indian exporters can attract foreign buyers and build up strong business network in global wheat market. Assured and timely supply with competitive price will establish India as a regular wheat supplier in the global market.

Table6.3 below shows state wise production of wheat over the last two years

State	2011-12			2010-11		
	Area	Production	Yield	Area	Production	Yield
Uttar Pradesh	9.73	30.29	3113	9.64	30	3112
Punjab	3.51	17.21	4898	3.51	16.47	4692
Haryana	252	12.68	5030	2.52	11.63	4615
Madhya Pradesh	4.89	10.58	2164	4.34	7.63	1758
Rajasthan	2.94	9.32	3175	2.48	7.21	2907
Bihar	2.17	4.79	2206	2.1	4.1	1952
Gujrat	1.35	4.1	3035	1.27	4.02	3165
Maharashtra	84	1.31	1558	1.31	2.3	1756
West Bengal	0.32	0.88	2800	0.32	0.87	2754
Uttarakhand	37	0.87	2369	0.38	0.88	2316
Himachal Pradesh	0.36	0.6	1671	0.36	0.55	1528
Jammu & Kashmir	0.29	0.41	1404	0.29	0.45	1558
Jharkhand	0 18	0.34	1876	0.1	0.16	1600
Karnataka	0.23	0.19	843	0.26	0.28	1077
Assam	5	0.06	1135	0.04	0.05	1250
Others	0.16	0.27	@	0.16	0.27	@
All India	**29.9**	**93.9**	**3140**	**29.07**	**86.87**	**2988**

Table6.3 State-wise Wheat Production (Source: India Wheat Market Report, 2013)

6.2.2 India Wheat Exports

('MT)

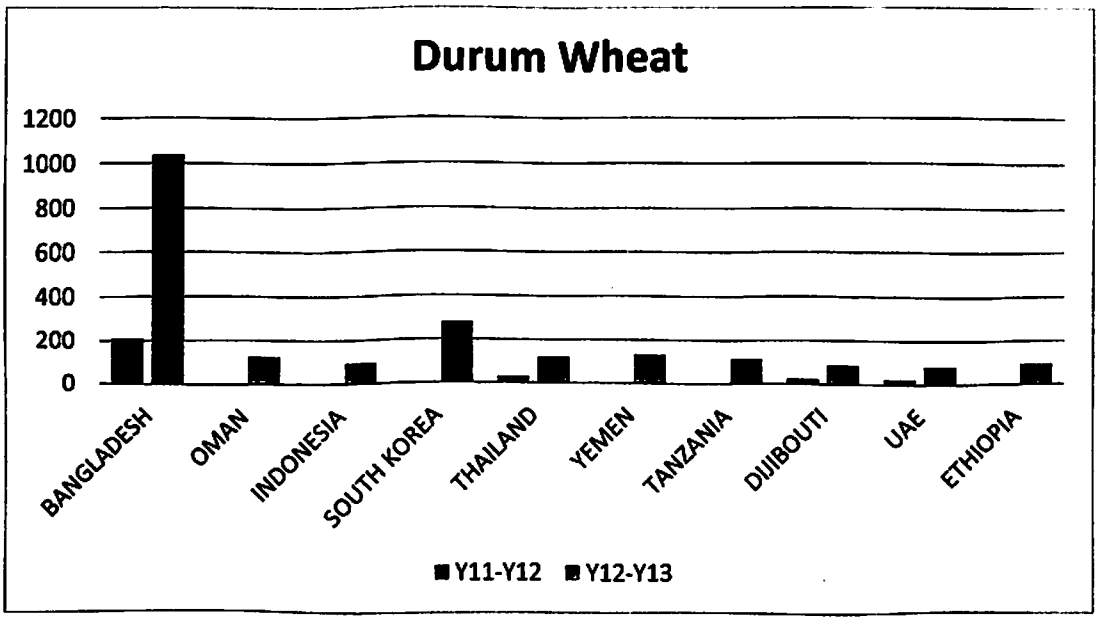


Figure6.1 Durum Wheat Exports by destination (Source: Own Graph, Data from Chamber of Commerce EXIM Data Bank 2013, GOI)

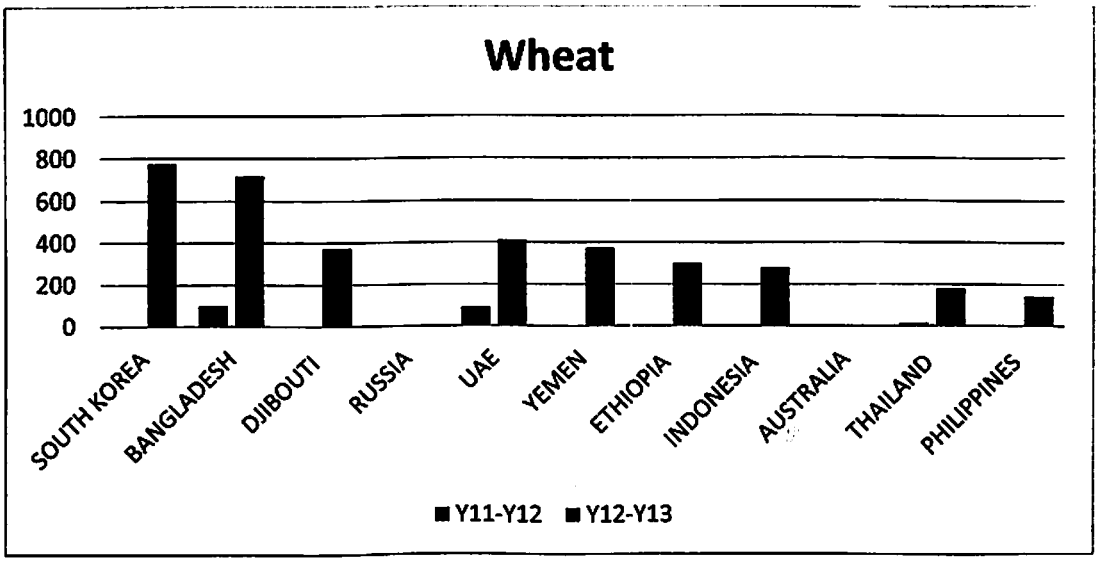


Figure6.2 Wheat Exports by destination (Source: Own Graph, Data from Chamber of Commerce EXIM Data Bank 2013, GOI)

6.2.3 Major Wheat Export Terminals

Following are major bulk terminals from which wheat is exported.

- Kandla
- Mundra
- Kolkata
- Krishnapatnam
- Chennai
- Kakinada

Following are major container terminals from where wheat (break bulk) is exported

- Kandla
- JNPT
- Pipavav

6.3 RICE PROFILE

India is a major producer and exporter of rice, a staple commodity vital to the food security and welfare of over half the world's population. Since she consumes 95% of the rice she produces, rice prices are an integral part of national welfare to both consumers and producers. Protectionist trade policy actions in 2008 resulting from food shortage concerns potently appeared to increase national welfare and limit the transmission of higher world prices to Indian consumers. However, India's greater use of export restrictions vs. export tariffs and its monopoly power in the production of rice could have limited the full effect of the price decrease.

India is the second largest producer of rice, after China, at a projected 97.5 million tons in 2008/2009. Although it consumes, on average, 95% of what it produces, India was still the third largest exporter of rice, after Thailand and Vietnam, with approximately 20% of total rice exports in 2006/2007. After export restrictions, India fell behind Pakistan and the US India's largest trading partners are the US and China (USDA, 2008). India is the second largest producer and consumer of rice in the world. Rice production in India crossed the mark of 100 million MT in 2011-12 accounting for 22.81% of global production in that year.

Following Figure6.3, shows major rice exporters over the years

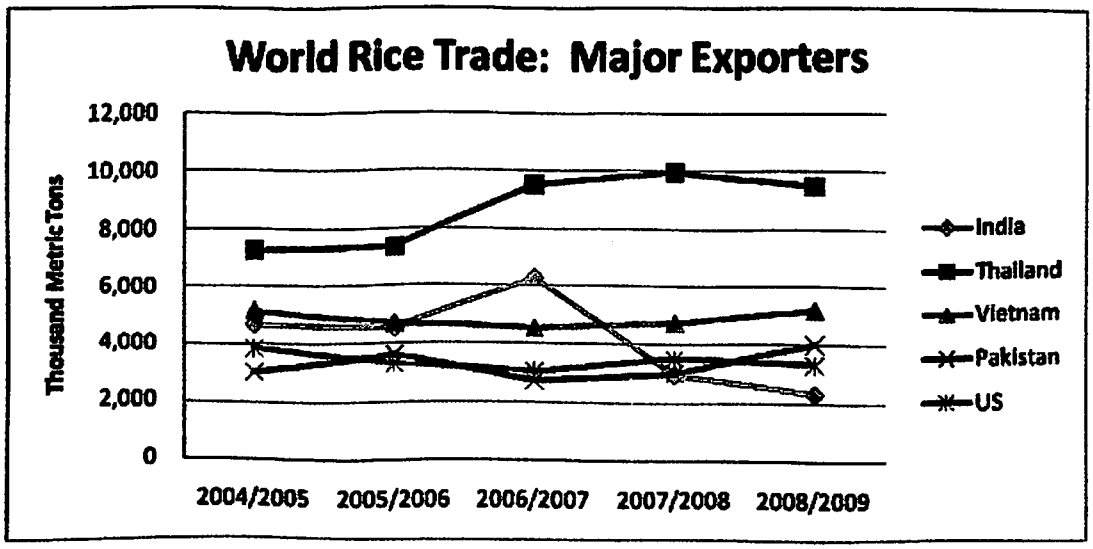


Figure6.3 Major Rice Exporters (Source: Kulkarni, Clarkson, 2008)

India is the largest producer of basmati rice in the world. Approximately 1% of its rice production is basmati, but unlike other rice varieties, more than 80% of the basmati rice grown is exported. The Gulf nations and Europe are its primary importers, which equates to 1.2 million tons annually (Oryza, 2008). India's climate is well suited for rice production, which is land and labour intensive. World rice demand experienced an increase by 2.4% in 2009. Consumers are expected to increase consumption of less-expensive staple foods due to the global financial crisis lowering household incomes. On a per capita basis, average rice consumption as food is estimated to rise from 56.9 kg to 57.3 kg (Food & Agriculture Organization, 2009). Global rice production is expected to rise nearly 2% above 2007/2008 production to a record 439.7 million tons. Global rice trade is projected at 29.5 million tons, 1% below 2008 and 8% below a 2007 record (Childs, 2009)

"Basmati" is long grain aromatic rice grown for many centuries in the specific geographical area, at the Himalayan foot hills of Indian sub-continent, blessed with characteristics extra- long slender grains that elongate at least twice of their original size with a characteristics soft and fluffy texture upon cooking, delicious taste, superior aroma and distinct flavour, Basmati rice is unique among other aromatic long grain rice varieties.

Varieties:

The main varieties of Basmati rice as notified under the seeds Act, 1966 are Basmati 386 , Basmati 217 , Ranbir Basmati , Karnal Local/ Taraori Basmati, Basmati 370, Type-3 (Dehradooni Basmati), Pusa Basmati-1, Pusa Basmati 1121, Punjab Basmati-1, Haryana Basmati- 1, Kasturi and Mahi Sugandha.

Areas of Cultivation:

The areas of Basmati Rice production in India are in the states of J & K, Himanchal Pradesh, Punjab, Haryana, Delhi, Uttarakhand and western Uttar Pradesh.

3.1 Exports

India is the leading exporter of the Basmati Rice to the global market. The country has exported 3456.41 thousand MT of Basmati Rice to the world for the worth of Rs. 19390.53 crores during the year 2012-13.

Indian share in global rice production has been hovering in the range of 19.50 to 24.52 %. Indian share dipped below 20 percent only in 2009, due to export restrictions. Table6.4 below shows the world rice production and percentage share of India in total production. Following Table6.5 shows rice production of various countries worldwide.

Year	World Production in million MT	Indian Production in million MT	India's share (In %)
2001-02	399	93.34	23.39
2002-03	380	71.82	18.90
2003-04	390	88.53	22.70
2004-05	405	83.13	20.53
2005-06	423	91.79	21.70
2006-07	427	93.35	21.86
2007-08	438	96.69	22.08
2008-09	459	99.18	21.61
2009-10	457	89.09	19.49
2010-11	449	95.98	21.38
2011-12	456	104.32	22.88
2012-13*(Proj.)	463	103	22.25

Table6.4 India Rice Production (Source: Agricultural Co-operation of India Report, 2013)

Countries	2008/09	2009/10	2010/11	2011/12	2012/13Jan	2012/13Feb
Bangladesh	31200	31000	31700	33700	33800	34000
Brazil	8570	7929	9300	7888	8160	8160
Burma	11200	11642	10528	10816	10750	10750
Cambodia	3992	4056	4233	4268	4225	4225
China	134330	136570	137000	140700	143000	143000
Egypt	4673	4564	3100	4250	4700	4700
India	99180	89090	95980	104320	99000	99000
Indonesia	38310	36370	35500	36500	36900	36900
Japan	8029	7711	7720	7646	7755	7756
Korea South	4843	4916	4295	4224	4006	4006
Nepal	2850	3013	2680	2970	2900	3000
Pakistan	6900	6800	5000	6500	6800	6800
Philippines	10755	9772	10539	10700	10990	10990
Thailand	19850	20260	20262	20460	20500	20500
Vietnam	24393	24993	26371	27075	27710	27710
Others	33080	35303	37290	37144	38001	37955
United States	6546	7133	7593	5866	6356	6356
World Total	**448701**	**441122**	**449091**	**465027**	**465553**	**465808**

Table6.5 World Rice Production Country-wise (Source: Agricultural Co-operation of India Report, 2013)

Table 6.6 shows India's Major Rice exports over the years.

S.No.	Country	Values in US$ Million	
		2010-2011	2011-2012
1	U ARAB EMTS	624.69	820.72
2	SAUDI ARAB	689.68	760.25
3	IRAN	446.2	600.31
4	NIGERIA	0.49	352.01
5	KUWAIT	239.9	295.47
6	IRAQ	36.36	167.3
7	U K	77.48	143.12
8	U S A	55.34	119.95
9	SENEGAL		116.88
10	YEMEN REPUBLC	65.35	116.83
11	COTE D' IVOIRE	0.75	109.84
12	INDONESIA	2.37	109.62
13	EGYPT A RP	2.72	94
14	SOUTH AFRICA	13.27	91.54
15	BENIN	0.77	90.59
16	BANGLADESH PR	2.63	54.45
17	JORDAN	25.05	51.69
18	SINGAPORE	8.06	44.66
19	OMAN	8.17	42.58
20	NEPAL	10.03	42.35

Table6.6 India's Major Rice Exports by Value (Source: Agricultural Co-operation of India Report, 2013)

Production shortfall and rising internal prices forced the government to ban export of non-basmati varieties in 2007. Export of basmati, the long grain aromatic rice unique to the Indian sub-continent, continued albeit with some restrictions such as minimum export price. Despite staying out of the world non-basmati rice trade for four years, India seized the market opportunity as soon the export ban was lifted in September 2011. Thanks to a combination of expanded production, large public stocks, weak currency and liberal export policy, the country shipped out record 10.3 million tonnes rice in calendar year 2012.

6.3.2 Exports

Export shipments comprised seven MMT of non-basmati and 3 MT basmati rice. Following Figure6.4 shows India's Brown Rice exports to various countries

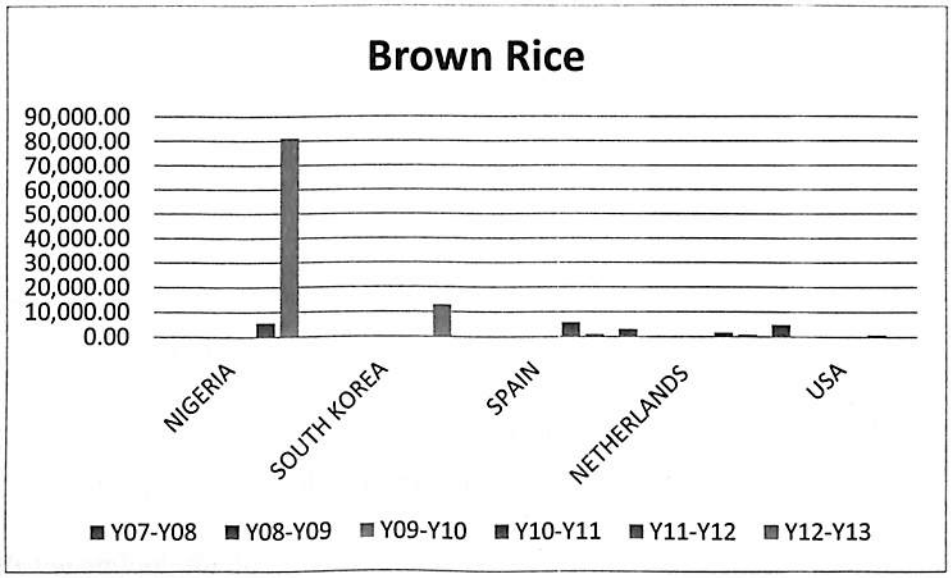


Figure6.4 Brown Rice Exports by destination (Source: Own Graph, Data from Chamber of Commerce EXIM Data Bank 2013, GOI)

Figure6.5 below shows India's Rice Exports to various countries ('MT)

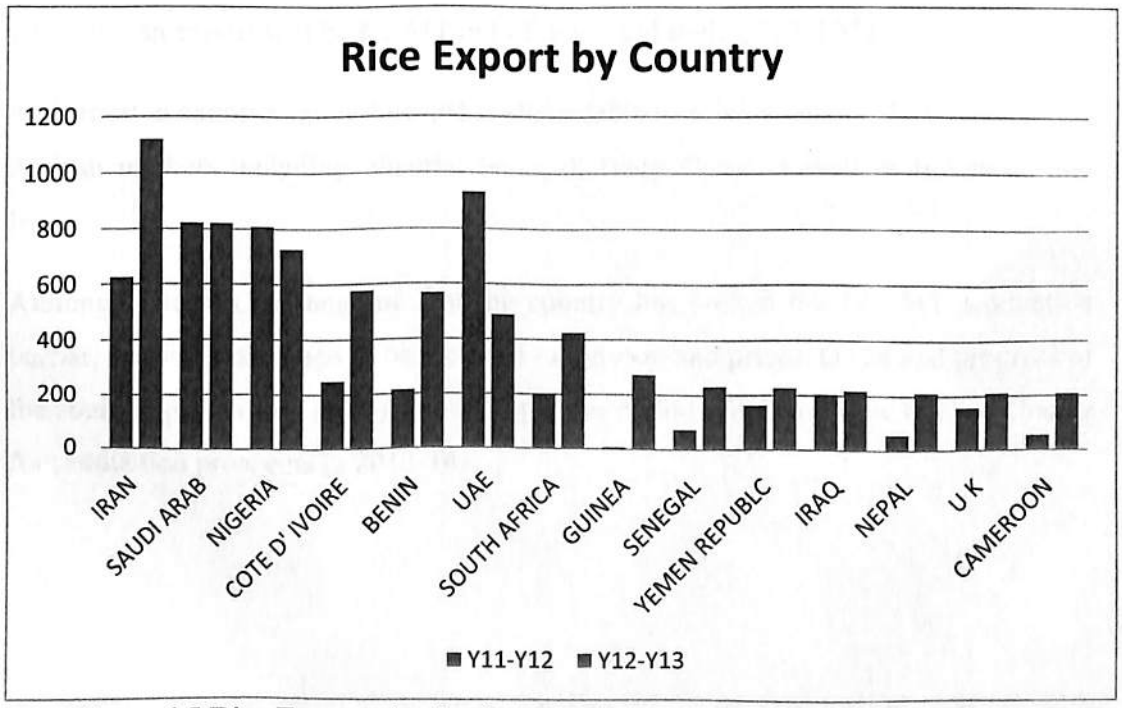


Figure6.5 Rice Exports by destination (Source: Own Graph, Data from Chamber of Commerce EXIM Data Bank 2013, GOI)

Export destinations were mostly African countries including Nigeria, Senegal, Ivory Coast and South Africa, in addition to Iran, Saudi Arabia and the UAE. African countries shifted to Indian non-basmati rice because of price competitiveness, particularly of parboiled rice. Shipment of 10.3 MT in 2012 represented a little over a quarter of world rice exports of 38.6 MT during the year, according to Food and Agriculture Organisation data.

Vietnam followed with 7.7 MT and Thailand 7.0 MT In 2011, Thailand was the top exporter - it usually is - with shipment of 10.7 MT followed by Vietnam with 7.1 MT and India ranked third with 4.8 MT

Interestingly, India's remarkable export performance coincides with the decisive break above the psychological barrier of 100 MT rice production in 2011-12.

What's the outlook for 2013?

On current reckoning, given the second highest level of production in 2012-13, large public stocks, liberal export policy and weak currency, there is a great opportunity for Indian to retain its top rank as rice exporter in 2013. The FAO has forecast that in 2013, Indian export will be 8.3 MT out of the world trade of 37.4 MT

Reduction in export volume forecast is attributable to subdued demand from some key African markets including Nigeria, Senegal, Ivory Coast as well as Indonesia and Iran.

Although one can be sanguine that the country has broken the 100 MT production barrier, two key risks need to be watched - monsoon and prices. Onset and progress of the southwest monsoon during June-September period will have to be tracked closely for production prospects in 2013-14.

Estimation of Bunker Potential

By Kailash Srinivasan

7.0 Estimation of Bunker Potential

7.1 METHODOLOGY

The following methodology is used for estimating the bunker potential

- Primary data collection from tracking of vessels for import and export of Iron Ore, Coal and Food Grains. Data from Reuters Daily Port Movement and from Sea Web
- Collecting vessel details including Load Port, Discharge Port, Dead weight Tonnage, Owner, Operator, Previous and Next Port Calls and Trade Routes
- Analysis of information to determine potential routes and vessels based on port calls
- Forecasting demand for individual Major Bulks, and subsequently estimate forecasted bunker potential
- Collected specific lifting schedule information for various vessels. Near about 90 companies were contacted. Of this, over 50 questionnaires were sent, and as of date 17 completed questionnaires have been returned. The sample Questionnaire and all completed questionnaire can be found in Annexure A.3

7.2 DATA ANALYSIS AND INTERPRETATION

A total of 476 vessels were tracked that had called at various Indian ports carrying major bulk cargo, over the period Start of May '13 to Start of Jul '13.

Following Figure7.1 shows port calls of these vessels

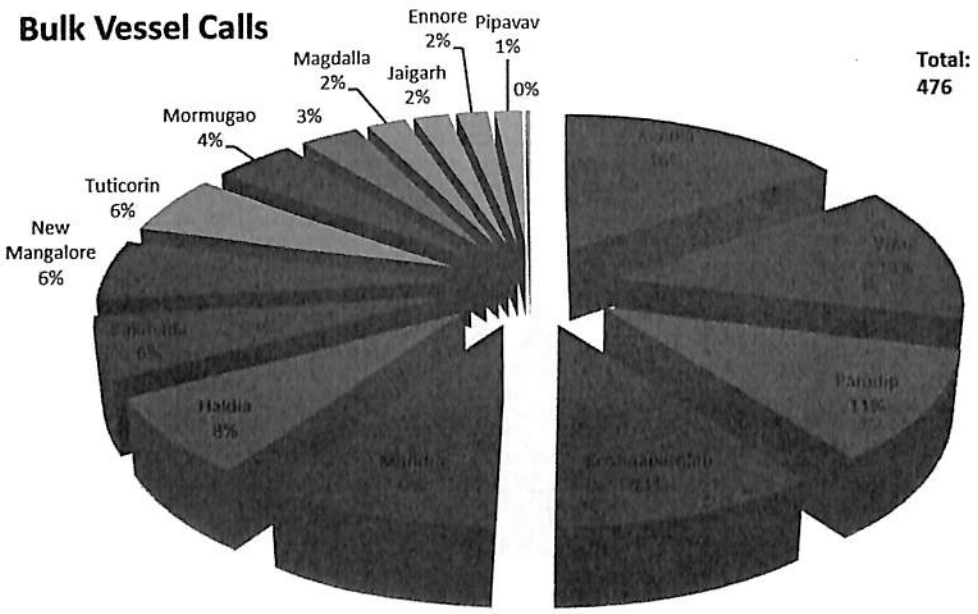


Figure7.1 Bulk Vessel Calls

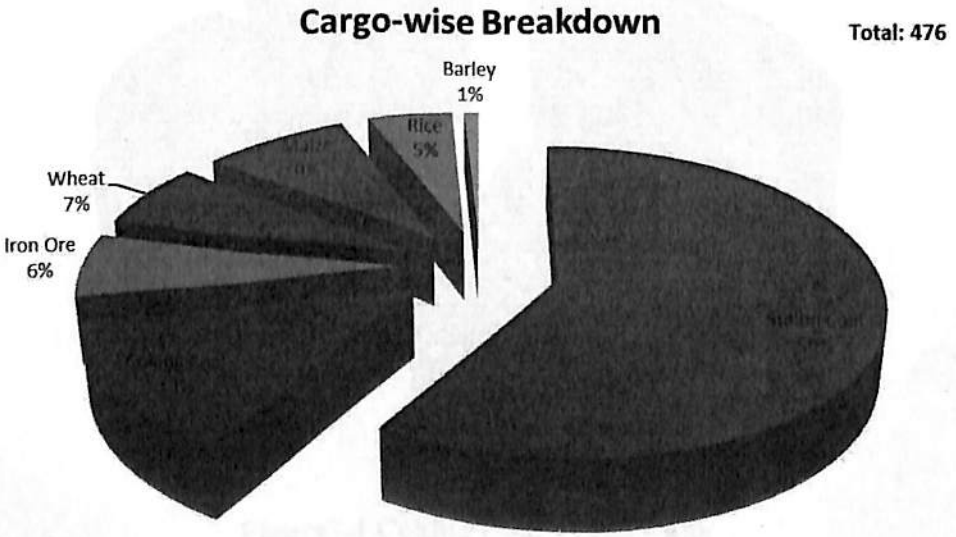


Figure7.2 Cargo-wise Breakdown

Steam Coal

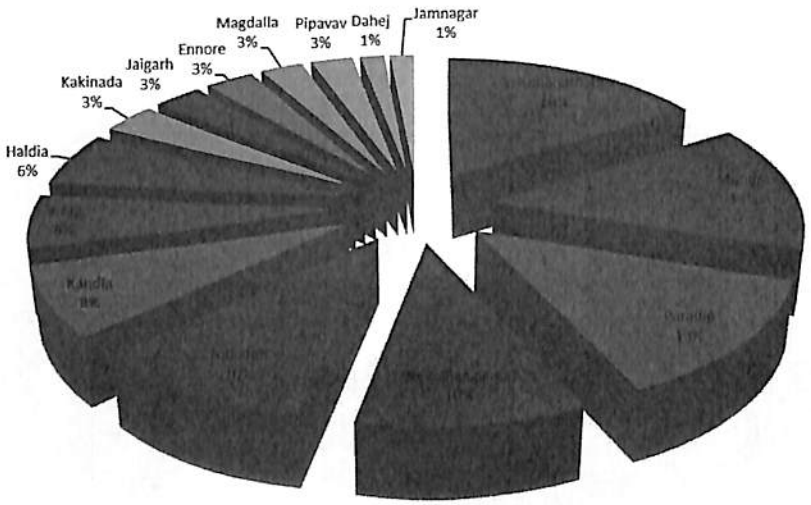


Figure7.3 Steam Coal Vessel Calls

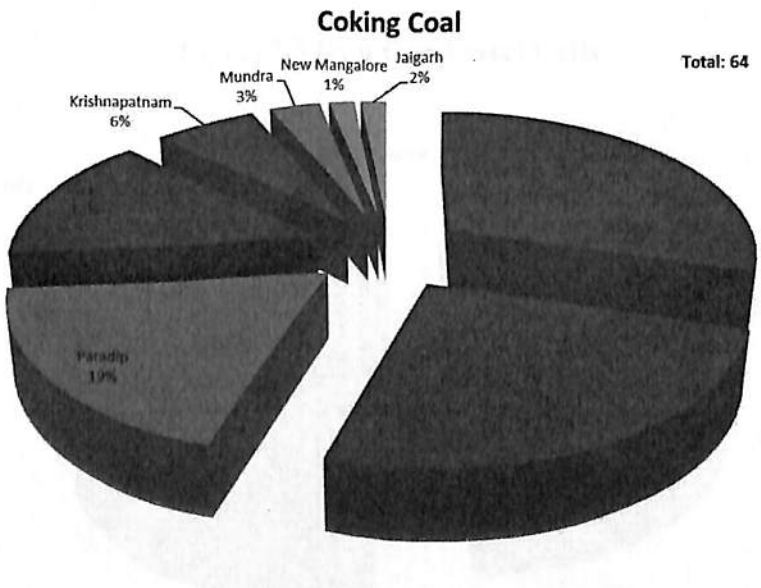


Figure7.4 Coking Coal Vessel Calls

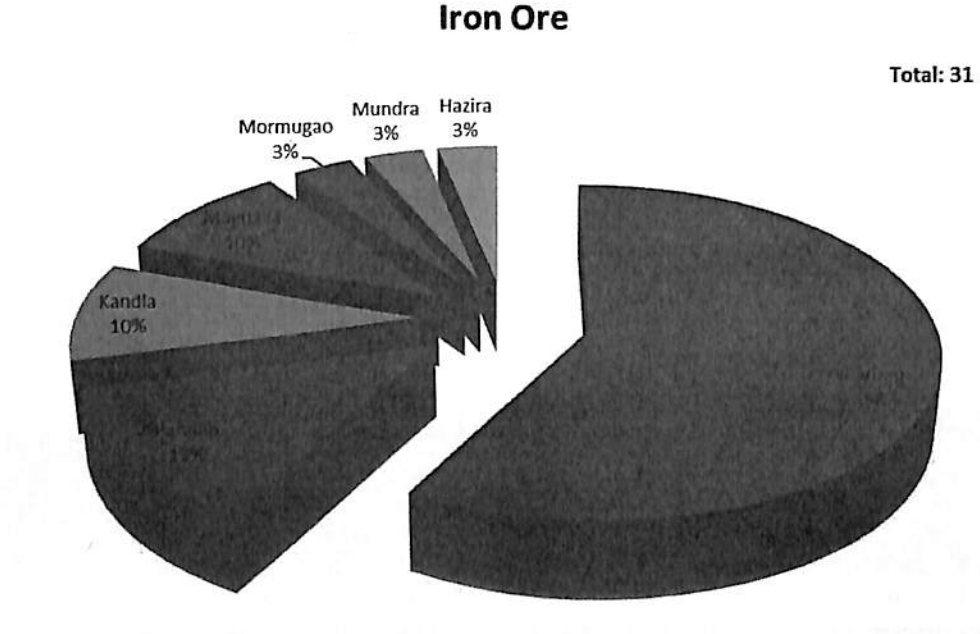


Figure7.5 Iron Ore Vessel Calls

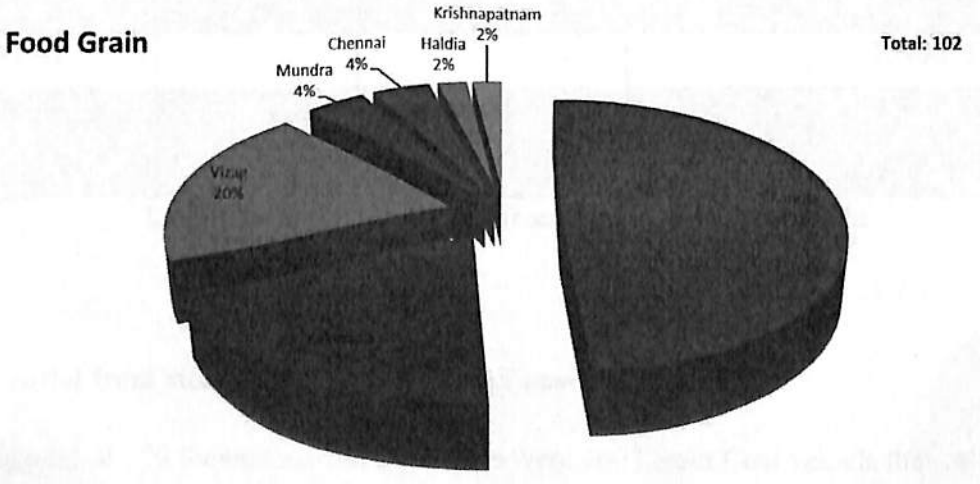


Figure7.6 Food Grain Vessel Calls

7.3 CALCULATION OF BUNKER POTENTIAL

Potential from steam coal shipping West Coast Ports of India

Of a total of 279 Steam Coal Vessels, there were 129 Steam Coal vessels that called at Western Ports of India.

Load Port	Number of Vessels	Potential Vessels (A)	Stem Size (MT) (B)	Bunker Potential (A * B)
Indonesia	84	17 (20% assumed)	400	6800MT
Richards Bay	13	8 (No Singapore and Fujairah)	700	5600MT
Australia	6	2 (from N and SW AUS)	400	800MT
USA	1	1	700	700MT
TOTAL				**13900MT**
Monthly Potential				**6950MT**

Table7.1 Bunker Potential from Steam Coal WC India

Potential from steam coal shipping East Coast Ports of India

Of a total of 279 Steam Coal Vessels, there were 160 Steam Coal vessels that called at Western Ports of India.

Load Port	Number of Vessels	Potential Vessels (A)	Stem Size (MT) (B)	Bunker Potential (A * B)
Indonesia	92	18 (20% assumed)	400	7200MT
Richards Bay	10	10	700	7000MT
Australia	2	2 (from N and SW AUS)	400	800MT
USA	3	3	700	2100MT
TOTAL				**24100MT**
Monthly Potential				**12050MT**

Table7.2 Bunker Potential from Steam Coal EC India

Net potential from Steam Coal Shipping = 19000MT p.m.

Potential from coking coal shipping West Coast Ports of India

Load Port	Number of Vessels	Potential Vessels (A)	Stem Size (MT) (B)	Bunker Potential (A * B)
USA	2	2	700	1400MT
Richards Bay	1	1	700	7000MT
Australia	15	7 (No Singapore, Fujairah)	400	2800MT
TOTAL				**11200MT**
Monthly Potential				**5600MT**

Table7.3 Bunker Potential from Coking Coal WC India

Potential from coking coal shipping East Coast Ports of India

Of a total of 64 Coking Coal vessels, 37 vessels called at Eastern Ports of India. Of these 2 vessels were on continuous coastal runs between Halida, Paradip and Gujarat Ports. Of the remaining 35 vessels, following calculations are made.

Load Port	Number of Vessels	Potential Vessels (A)	Stem Size (MT) (B)	Bunker Potential (A * B)
USA	5	4 (No Singapore)	700	2800MT
Richards Bay	1	1	700	7000MT
Australia	29	1 (No Singapore)	400	400MT
TOTAL				**3900MT**

Table7.4 Bunker Potential from Coking Coal EC India

Net potential from Coking Coal Shipping = 9500MT p.m.

Potential from Iron Ore shipping from India

Of 28 vessels that called at various ports, 9 were on Coastal Runs, majorly loading at Vizag and discharging at Magdalla and Kandla.

Discharge Port	Number of Vessels	Potential Vessels (A)	Stem Size (MT) (B)	Bunker Potential (A * B)
Coastal Run	9	6 (No Singapore, Fujairah)	400	2400MT
China	13	4 (25%)	400	1600MT
Mina Saqr	1	1	400	400MT
TOTAL				**4400MT**
Monthly Potential				**2200MT**

Table7.5 Bunker Potential from Iron Ore - all ports

Net Potential from Iron Ore Shipping = 2200 p.m.

Potential from Wheat exports of India

A total of 36 vessels called at various ports for loading wheat.

Discharge Port	Number of Vessels	Potential Vessels (A)	Stem Size (MT) (B)	Bunker Potential (A * B)
USA	1	1	700	700MT
Africa	6	6	400	2400MT
Mina Saqr	1	1	400	400MT
Mongolia	1	1	400	400MT
TOTAL				**3900MT**
Monthly Potential				**1950MT**

Table7.6 Bunker Potential from Wheat - all ports

Total Potential from Wheat Shipping = 1950MT p.m.

Potential from Rice exports of India

A total of 32 vessels called at various ports of India for loading rice for export

Discharge Port	Number of Vessels	Potential Vessels (A)	Stem Size (MT) (B)	Bunker Potential (A * B)
Europe	2	2	700	1400MT
Africa	6	6	400	2400MT
ASEAN	12	8 (No Singapore)	400	3200MT
TOTAL				**7000MT**
Monthly Potential				**3500MT**

Table7.7 Bunker Potential from Rice - all ports

Total Potential from Rice Shipping = 3500MT p.m.

Potential from Maize exports of India

Discharge Port	Number of Vessels	Potential Vessels (A)	Stem Size (MT) (B)	Bunker Potential (A * B)
ASEAN	23	9(No Singapore)	400	3600MT
Middle East	3	2 (No Singapore, Fujairah)	400	800MT
TOTAL				**4400MT**
Monthly Potential				**2200MT**

Table7.8 Bunker Potential from Maize - all ports

Total Potential from Maize Shipping = 2200MT p.m.

Total Potential from Food Grain Shipping = 7650MT p.m.

7.4 FUTURE OUTLOOK

From data available from (World Bank Indicators) over 70% of India's energy needs are met through coal, 13% from hydroelectric, 10% from NG, and the reset from Oil, Nuclear and Other Renewable.

Following is a list of major Coal-fired power plant projects that are either under construction or in an advanced stage of completion, due within the next 3 years, i.e. till 2015. For a complete list of upcoming power projects, refer to Annexure A.2. From the given list of power plants, only private entities have been considered as government power projects are usually allocated domestic coal. From the remaining number of plants, only 50% have been assumed to import coal.

By this calculation, we arrive at an aggregate figure of Installed Capacity in (MW) that would require imported coal within the next 3 years to be 1,00,052 MW. From industry sources, it was found that on an average, production of 1MW of electricity requires 15MT of coal per day. Hence, coal required per year = 100052 x 15 x 350 / 10000000 = **525.27 MMT**. Hence an additional 525 MMT of steam coal will be required in about 3 years' time.

Table7.9 below shows major Coal-fired power projects due to be commissioned in the coming 5 years

State	Plant	Company	MW	Type	Status	Year
Andhra Pradesh	Pynampuram Thermal Power Project Units 1 and 2	Thermal Powertech Corporation	1320	Supercritical	Advanced development	2014
Andhra Pradesh	Gunipudi power station (STEAPL proposal)	Suryachakra Group	1320	Ultra Supercritical	Advanced development	2014
Andhra Pradesh	Kineta Power Stage I (Krishnapatnam)	Kineta Power Limited	1320	Supercritical	Advanced development	2014
Andhra	Krishnapatnam	Navayuga	1320	Supercritical	Advanced	2014

Pradesh	Navayuga thermal station Phase I	Power			development	
Andhra Pradesh	Muthukur Mandal power station (Painampuram)	Nelcast Energy Corporation Ltd	1320	Supercritical	Early development	2014
Andhra Pradesh	Thamminapatnam power station (Simhapuri) Phase-III	Simhapuri Energy	1320	Supercritical	Advanced development	2013
Bihar	Bhagalpur Power Project	Ganga Power & Natural Resources	2640		Early development	2014
Bihar	Prabhawati Nagar power station	Arrissan Power Limited	1320		Early development	2014
Bihar	Sirdala power station	Global Powmin	2640		Early development	2014
Chhattisgarh	KSK Mahanadi Power Project Units 1-4	KSK Energy Ventures	2400		Construction	2013, 2014
Chhattisgarh	Tamnar II Project	Jindal Power	2400	Subcritical	Construction	2014-2015
Chhattisgarh	KSK Narmada Power Project	KSK Energy Ventures	1800		Early development	
Chhattisgarh	Uchpinda power station	RKM Powergen Private Limited	1440		Construction	2013-2014
Chhattisgarh	Chhattisgarh GMR power station Phase I	GMR Energy	1370		Advanced development	2014
Chhattisgarh	Raikheda power station	GMR Energy	1370	Supercritical	Construction	2014
Chhattisgarh	Amarkantak Thermal Power Project phase II (Pathadi) units 3 and 4	Lanco	1320	Supercritical	Construction	2013, 2014
Gujarat	Okha power station	SPR Infrastructure India	2640	Supercritical	Early development	2014
Gujarat	Tata Mundra Ultra Mega Power Project 3-5	Tata Power	2400	Supercritical	Construction	2013
Gujarat	Pipavav power station	Torrent Power and Gujarat Power Corporation	2000		Early development	2014
Gujarat	Bherai power station	VISA Power	1320		Early development	2014
Gujarat	Salaya II power plant	Essar Energy	1320	Supercritical	Construction	2014
Jharkhand	Tilaiya Ultra	Reliance	3300	Supercritical	Early	2015

	Mega Power Project 1-5	Power			development	
Jharkhand	Visa Power Jharkhand project	VISA Power	2640		Early development	
Jharkhand	Tiruldih Power Project	Tata Power	1980		Early development	
Jharkhand	Welspun Energy Parbahal Thermal Power Plant	Welspun Energy	1980		Early development	
Jharkhand	Baranda power station	JSW Energy	1620		Early development	2015
Jharkhand	Maithon Right Bank Thermal Power Station Phase II	Damodar Valley Corporation and Tata Power	1600	Subcritical	Early development	2014
Madhya Pradesh	Welspun Mega Industrial & Energy Park	Welspun Energy Park Pvt. Ltd.	5280		Early development	2014
Madhya Pradesh	Chitrangi Power Project	Reliance Power	3960	Supercritical	Advanced development	2014
Madhya Pradesh	Katni power station	Welspun Energy	1980	Supercritical	Advanced development	2014
Madhya Pradesh	Welspun Energy Anuppur Thermal Power Plant	Welspun Energy	1980		Early development	2015
Madhya Pradesh	Bansagar power station	MPTradco	1600	Supercritical	Early development	2015
Madhya Pradesh	Dada Dhuniwale Thermal Power Project	M.P. Power Generating Company	1600		Early development	2015
Madhya Pradesh	Welspun Mega Industrial & Energy Park	Welspun Energy Park Pvt. Ltd.	5280		Early development	2015
Maharashtra	Tiroda Thermal Power Project Phases II and III	Adani Power	1980		Construction	2013
Maharashtra	Amravati Thermal Power Project Phase I	Indiabulls Power	1350		Construction	2013-2014
Maharashtra	Amravati Thermal Power Project Phase II	Indiabulls Power	1350		Construction	2014-2015
Maharashtra	Nasik Thermal Power Project Phase I (Indiabulls)	Indiabulls Power	1350		Construction	2013-2015
Maharashtra	Nasik Thermal Power Project Phase I (Indiabulls)	Indiabulls Power	1350		Construction	2014-2015
Maharashtra	Tiroda Thermal Power Project Phases II and III	Adani Power	1980		Construction	2013
Maharashtra	Amravati Thermal Power Project Phase I	Indiabulls Power	1350		Construction	2013-2014

Maharashtra	Amravati Thermal Power Project Phase II	Indiabulls Power	1350		Construction	2014-2015

7.4.1 Estimating demand for steam coal

Current year imports of steam coal was in the ratio Indonesia (60%), Australia (20%) South Africa (15%), USA (5%). In the same ratio, we would have forecasted imports of 315 MMT from Indonesia, 105MMT from Australia, and about 80 MMT from South Africa.

Assuming an average 100000 DWT from vessel calling with Indonesian coal, an estimated additional 3150 vessels would call yearly from Indonesia, once this demand occurs. Similarly, an additional 1050 vessels would call yearly from Australia, and about 800 vessels from South Africa.

Applying 20% potential to all, this would generate additional bunker potential for 1000 vessels. With an assumed bunker stem of 400, this would generate potential of **33000MT** monthly.

7.4.2 Estimating demand for Met Coal

There is no maintained statistics regarding future steel production capacity additions. However, Industry sources report that demand for coking coal will continue increasing to 65 MMT by 2015 and to 80 MMT by 2017. Domestic production of coking coal is very dismal, and almost all demand is met by imports. As a result, there would be a forecasted demand of 20 MMT of Coking coal. By this year's figures, this demand of coal was met by imports from Australia (75%), followed by USA (10%), and South Africa(4%). Assuming an average 75000 DWT, an additional 2000 vessels would call yearly from Australia, followed by additional 267 vessels from USA and another 107 vessels from South Africa, yearly.

Applying 20% potential to all, this would generate additional bunker potential for 475 vessels. With an assumed bunker stem of 400, this would generate potential of **19000MT** monthly.

7.5 SWOT ANALYSIS OF MAJOR BULK COMMODITIES

COAL

Strength	Weakness
• Continued demand for imports • Huge Additional Power Capacity Planned • Increased Met Coal Demand forecasted	• Import Substitution
Opportunities	**Threats**
• Imports from USA once legislation and logistics Issues clear up • Australia might overtake Indonesia as Top Coal Exporter to India within 3-5 years • More Principals investing in South Africa. Larger Share of Imports predicted	• GOI rulings and import restrictions • Foreign Land's rules and Regulations

IRON ORE

Strength	**Weakness**
• Good Crude Ore Reserves. 5th Largest • Availability of labour at low wage rates	• High Cost of Capital • Low Labour Productivity
Opportunities	**Threats**
• Proximity to demand centres. China demand forecasted to 1.140 billion MT this year • Other related sectors	• GOI rulings and import restrictions • Foreign Land's rules and Regulations

7.6 FINDINGS

Following are the major findings from the research

- Indonesia continues to be largest Steam Coal exporter to India.
- With a low reserve to production ratio, we may expect volumes to shift from Indonesia to Australia.
- Australia continues to be the largest Coking Coal exporter to India. This trend would continue due to logistics benefits due to proximity.
- Russia and USA stand to be big players in the Coal markets with large reserve to production ratio. If legislation and logistics of coal export may be worked out, USA and Russia may capture larger volumes in coming years.
- China is the largest Iron Ore demand centre. India with good Iron Ore reserves would stand to benefit, if properly tapped. Recent bans and talk of lifting the same in Iron Ore mines lead to an uncertain market.
- Food Grain is a highly seasonal market and is highly dependent on the monsoon. With very good harvest this year, India's grain exports have touched an all-time high. It is however difficult to predict future trends.
- The Indian Ports lack the facilities like, OPL supply during Monsoon in Cochin, high tax on Fuel oil Exports in Ports of Andhra Pradesh, Unavailability of 380 cST at Haldia and no physical supply facility at Pipavav & Chennai.
- If bunkering were to start at these ports, significant bunker volumes could be diverted from Singapore. The Ports of Chittagong & Maldives have unavailability of 380cst & High Prices respectively.
- By calculations, the existing bunker potential from Steam Coal is 19000MT. By current forecasts, an estimated 33000MT may be generated in 5 years' time.
- By calculation, the existing bunker potential from Coking coal is 7500MT. By forecasts, an estimated 19000MT may be generated. This however is under the condition that bunker facilities start at Chennai, at competitive prices.
- Current Bunker Potential from Food Grains amount to 7650MT.

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- Shipping Statistics and Market Review, ISL Statistical Publications, 2012
- Indian Coking Coal Requirements and Sourcing Options, MNRE
- BP Statistical Review of World Energy, 2012
- EIA Energy Statistics, 2013
- Indian Minerals Handbook, 2013
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- http://eia.org

Annexure

QUESTIONNAIRE

BUNKER POTENTIAL FROM DRY BULK CARGO SHIPPING IN INDIA

Sir/Madam

I am a student of MBA (Masters in Business Administration) Energy Trading from **University of Petroleum and Energy Studies, India** (www.upes.ac.in). I am currently undertaking a research project titled ***"Bunker Potential from dry bulk cargo shipping in India"***. As part of my primary research, I am tracking several bulk cargo vessels that have called at Indian port for Import Discharge or Export Loading in the past few weeks. I request you to kindly fill in the following questionnaire, assuring you that the data generated will be used strictly for academic purposes only. Thanking you for your time and interest.

Sincerely,

Kailash Srinivasan
+918758485441
University of Petroleum and Energy Studies
kailash.s@stu.upes.ac.in

Name of Vessel: MV CROWNED EAGLE Port of Call: KAKINADA, India Date: 03/06/2013

1. What grade of fuel is the vessel is equipped to burn?

   ☑ IFO 380 ☐ IFO 380

2. What is the average fuel consumption of the vessel (in MT/day)?

   22.5mt upto 32.0mt/day

3. What is the periodicity of bunkering (in Days)?

   about 30 days

4. What is the average stem size of bunkers(in MT)?

   300-500mt

5. What is your most preferred port for bunkering?

   Singapore

6. Previous two bunkers information

Date	28june'13	24may'13
Quantity and grade	ifo380cst	ifo380cst
Port of Bunkering	singapore	singapore
Trading Route	India - China	Indonesia-India

7. Has the vessel ever taken bunker at Indian ports?

○ If Yes, Pls Specify ◉ No

(If vessel has taken bunker at Indian ports many times, specify most frequented port)

If you answered No to the question above, please skip to question 9, else please proceed to next question

8. Previous two bunkers at Indian Ports

Date		
Quantity and grade		
Port of Bunkering		
Trading Route		

9. On the following scale, rate the Quality Compliance of bunkers received at Indian Ports

○ Very Bad ◉ Bad ○ Fair ○ Good ○ Very Good

10. On the following scale, rate the Quality of Service of the Bunker Suppliers at Indian Ports

○ Very Poor ◉ Poor ○ Fair ○ Good ○ Very Good

Please enter any comments/thought/input on the matter (if any) in the space given below

Above comments given generally from what I have heard about quality at some ports and more hassles with documentation and bunker quality. (reasons to avoid as much as we can

Name: Kenny D'Silva Date: 02nd July '13

Designation: Sr. Operations Manager

E-Mail:

I convey my sincere gratitude for your valuable time and assistance in this matter. I shall be grateful if you could kindly mail back the questionnaire to kailash.s@stu.upes.ac.in

Thanking you.

Yours Sincerely,

Kailash

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+918758485441
University of Petroleum and Energy Studies
kailash.s@stu.upes.ac.in

Name of Vessel: MV GOOD TRADE Port of Call: TUTICORIN, India Date: 26/05/2013

1. What grade of fuel is the vessel is equipped to burn?

   ☐ IFO 180 ☑ IFO 380

2. What is the average fuel consumption of the vessel (in MT/day)?

   30mt / day

3. What is the periodicity of bunkering (in Days)?

   <20 Days

4. What is the average stem size of bunkers(in MT)?

   300-400mt

5. What is your most preferred port for bunkering?

   Tuticorin

6. Previous two bunkers information

Date		
Quantity		
Port of Bunkering		
Trading Route		

7. Has the vessel ever taken bunker at Indian ports?

◉ Tuticorin ○ No

(If vessel has taken bunker at Indian ports many times, specify most frequented port)

Date	06-07-2013	24-06-2013
Quantity	325mt - IFO 180cst	339.005 - IFO 180cst
Port of Bunkering	Tuticorin	Tuticorin
Trading Route	Paradip to Tuticorin	Paradip to Tuticorin

On the following scale, rate the Quality Compliance of bunkers received at Indian Ports

○ Very Bad ○ Bad ○ Fair ○ Good ◉ Very Good

n the following scale, rate the Quality of Service of the Bunker Suppliers at Indian Ports

○ Very Poor ○ Poor ○ Fair ○ Good ◉ Very Good

Please enter any comments/thought/input on the matter (if any) in the space given below

Name: K.Sankareswaran Date: 12-07-2013

Designation:

E-Mail:

I convey my sincere gratitude for your valuable time and assistance in this matter. I shall be grateful if you could kindly mail back the questionnaire to kailash.s@stu.upes.ac.in

Thanking you.

Yours Sincerely,

Kailash

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विद्यया शक्ति वर्धम्

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Sincerely,

Kailash Srinivasan
+918758485441
University of Petroleum and Energy Studies
kailash.s@stu.upes.ac.in

Name of Vessel: MV SANKO MARBLE Port of Call: KANDLA, India Date: 04/06/2013

1. What grade of fuel is the vessel is equipped to burn?

   ☑ IFO 380 ☐ IFO 380

2. What is the average fuel consumption of the vessel (in MT/day)?

   ab. 25 mt/day

3. What is the periodicity of bunkering (in Days)?

   30-40 Days

4. What is the average stem size of bunkers(in MT)?

   150~700 MT

5. What is your most preferred port for bunkering?

   SINGAPORE

6. Previous two bunkers information

Date	JULY 2013	JUNE 2013
Quantity and grade	IFO RMG 380	IFO RMG 380
Port of Bunkering	JUBAIL	MINA SAQR
Trading Route	MIDDLE EAST	MIDDLE EAST

7. Has the vessel ever taken bunker at Indian ports?

◉ If Yes, Pls Specify ○ No

(If vessel has taken bunker at Indian ports many times, specify most frequented port)

If you answered No to the question above, please skip to question 9, else please proceed to next question

8. Previous two bunkers at Indian Ports

Date	NOVEMBER 2012	OCTOBER
Quantity and grade	IFO 380	IFO 380
Port of Bunkering	VISAK	NAVLAKHI
Trading Route		

9. On the following scale, rate the Quality Compliance of bunkers received at Indian Ports

○ Very Bad ○ Bad ○ Fair ○ Good ○ Very Good

10. On the following scale, rate the Quality of Service of the Bunker Suppliers at Indian Ports

○ Very Poor ○ Poor ○ Fair ○ Good ○ Very Good

Please enter any comments/thought/input on the matter (if any) in the space given below

UNIVERSITY OF PETROLEUM & ENERGY STUDIES ®
विद्यया शक्तिं वशम्

Name: TOMOHIRO NAKADA Date: 2013/7/5

Designation:

E-Mail:

I convey my sincere gratitude for your valuable time and assistance in this matter. I shall be grateful if you could kindly mail back the questionnaire to kailash.s@stu.upes.ac.in

Thanking you.

Yours Sincerely,

Kailash

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Sincerely,

Kailash Srinivasan
+918758485441
University of Petroleum and Energy Studies
kailash.s@stu.upes.ac.in

Name of Vessel: MV VISHVA BANDHAN Port of Call: HALDIA, India Date: 03/06/2013

1. What grade of fuel is the vessel is equipped to burn?

   ☑ IFO 380 ☑ IFO 380

2. What is the average fuel consumption of the vessel (in MT/day)?

   28

3. What is the periodicity of bunkering (in Days)?

   <20 Days

4. What is the average stem size of bunkers(in MT)?

   150-200

5. What is your most preferred port for bunkering?

   TUTICORIN

6. Previous two bunkers information

Date	21/06/2013	27/05/2013
Quantity and grade	200-250/IFO 180	280MT/ IFO 180
Port of Bunkering	TUTICORIN	TUTICORIN
Trading Route	Coastal India	COASTAL

7. Has the vessel ever taken bunker at Indian ports?

(●) TUTICORIN ( ) No

(If vessel has taken bunker at Indian ports many times, specify most frequented port)

If you answered No to the question above, please skip to question 9, else please proceed to next question

8. Previous two bunkers at Indian Ports

Date	AS ABOVE	AS ABOVE
Quantity and grade		
Port of Bunkering		
Trading Route		

9. On the following scale, rate the Quality Compliance of bunkers received at Indian Ports

( ) Very Bad ( ) Bad ( ) Fair (●) Good ( ) Very Good

10. On the following scale, rate the Quality of Service of the Bunker Suppliers at Indian Ports

( ) Very Poor ( ) Poor ( ) Fair (●) Good ( ) Very Good

Please enter any comments/thought/input on the matter (if any) in the space given below

Vessel on time charter to Poompuhar. Charterer bunkers as per need.

Name: SAGAR MANDREKAR Date: 16/07/2013

Designation: COMMERCIAL OPS.

E-Mail:

I convey my sincere gratitude for your valuable time and assistance in this matter. I shall be grateful if you could kindly mail back the questionnaire to kailash.s@stu.upes.ac.in.

Thanking you.

Yours Sincerely,

Kailash

UNIVERSITY OF PETROLEUM & ENERGY STUDIES ®

QUESTIONNAIRE

BUNKER POTENTIAL FROM DRY BULK CARGO SHIPPING IN INDIA

Sir/Madam

I am a student of MBA (Masters in Business Administration) Energy Trading from **University of Petroleum and Energy Studies, India** (www.upes.ac.in). I am currently undertaking a research project titled ***"Bunker Potential from dry bulk cargo shipping in India"***. As part of my primary research, I am tracking several bulk cargo vessels that have called at Indian port for Import Discharge or Export Loading in the past few weeks. I request you to kindly fill in the following questionnaire, assuring you that the data generated will be used strictly for academic purposes only. Thanking you for your time and interest.

Sincerely,

Kailash Srinivasan
+918758485441
University of Petroleum and Energy Studies
kailash.s@stu.upes.ac.in

Name of Vessel: MV VISHVA DIKSHA Port of Call: PARADIP, India Date: 09/06/2013

1. What grade of fuel is the vessel is equipped to burn?

   ☑ IFO 180 ☑ IFO 380

2. What is the average fuel consumption of the vessel (in MT/day)?

   28-30

3. What is the periodicity of bunkering (in Days)?

   <20 Days

4. What is the average stem size of bunkers(in MT)?

   200-250

5. What is your most preferred port for bunkering?

   TUTICORIN

6. Previous two bunkers information

Date	28/06/2013	15/06/2013
Quantity and grade	200MT/ IFO 180	150MT/ IFO 380
Port of Bunkering	TUTICORIN	ENNORE
Trading Route	COASTAL	COASTAL

7. Has the vessel ever taken bunker at Indian ports?

◉ TUTICORIN ○ No

(If vessel has taken bunker at Indian ports many times, specify most frequented port)

If you answered No to the question above, please skip to question 9, else please proceed to next question

8. Previous two bunkers at Indian Ports

Date	AS ABOVE	AS ABOVE
Quantity and grade		
Port of Bunkering		
Trading Route		

9. On the following scale, rate the Quality Compliance of bunkers received at Indian Ports

○ Very Bad ○ Bad ○ Fair ◉ Good ○ Very Good

10. On the following scale, rate the Quality of Service of the Bunker Suppliers at Indian Ports

○ Very Poor ○ Poor ○ Fair ◉ Good ○ Very Good

Please enter any comments/thought/input on the matter (if any) in the space given below

Name: SAGAR MANDREKAR Date: 16/07/2013

Designation: COMMERCIAL OPS.

E-Mail:

I convey my sincere gratitude for your valuable time and assistance in this matter. I shall be grateful if you could kindly mail back the questionnaire to kailash.s@stu.upes.ac.in

Thanking you.

Yours Sincerely,

Kailash

UNIVERSITY OF PETROLEUM & ENERGY STUDIES ®
विद्यया शक्ति वर्धम्

Vessel Tracking Database

SL. NO:	As at Date	Port	Vessel Name	IMO	Cargo	Qty	EXIM	Load Port	Discharge Port	DWT	Bunker Capacity (MT)	Speed (kts)	Fuel Consumption (MT/day)	Geared	Current Route	Previous Foreign	Previous Port	Next Port	Next Foreign	Agent	ETA	ETD	Time in Port	Previous India Port Calls	Remarks	Source
1	21-06-2013	Mundra	ITHOME	9555151	Steam Coal		I	Indonesia	Mundra	57,000	2400	14	34	G	Gulf- Red Sea/ India	Singapore	Singapore	Fujairah	Fujairah	IOS	21-Jun			Mundra(1-13), Magdalla(2-13), Porbandar(1-13), Kandla(1-13), New More(1-12), Haldia(1-12)	Sailed to Mina Saqr via Fujairah.. Previously called at Singapore, China, Magdalla Mina Saqr, Kandla, Magdalla,Indonesia, China, Singapore Bunker, Singapore Bunker, Porbandar	EXIM Sea-web
2	21-06-2013	Mundra	COLLONGES	9032551	Steam Coal	133735	I	Indonesia	Mundra	1,49,391	2892	13.25	44	GL	Gulf- Red Sea/ India	Singapore	Singapore	Richards Bay	Richards Bay	Taurus Shipping	24-Jun	27-Jun	69	Mundra(1-13), Gangavaram(1-13), Mormugao(1-13)	Sailed from Mundra.. Previously called at Singapore Bunker, Indonesia, China, Newcastle(AUS), China, Gangavaram, Singapore Bunker, Hay Point(AUS)	EXIM Sea-web
3	21-06-2013	Mundra	[redacted]	9225005	Steam Coal		I		Mundra	1,69,229	4814	14.5	59	GL	Gulf- Red Sea/ India					J.M. Baxi	23-Jun				Update needed	EXIM Sea-web
4	21-06-2013	Mundra	SU-OH	9146596	Steam Coal	154925	I	Indonesia	Mundra	1,71,081	4620	14.5	84	GL	Gulf- Red Sea/ India	Singapore	Singapore	Brazil	Brazil	Taurus Shipping	27-Jun	28-Jun	28	Mundra(2-13)	At Mudra.. Previously called at Singapore, Indonesia(c, Japan, Singapore Bunker, Brazil, Mundra, Singapore Bunker, China	EXIM Sea-web
5	21-06-2013	Mundra	HANJIN NEWCASTLE	9418812	Steam Coal	162005	I	Indonesia	Mundra	1,79,905	5530	15		GL	Gulf- Red Sea/ India	Singapore	Singapore	Richards Bay	Richards Bay	Taurus Shipping	26-Jun	29-Jun	77	Mundra(1-13)	Currently at Mundra.. Previously called at Indonesia(c, South Korea, Singapore Bunker, Canada, Newport News(USA), DS(UK), Amsterdam, Cologne(GER), Newport News(USA), Sweden	EXIM Sea-web
6	21-06-2013	Mundra	[redacted]	9222613	Steam Coal	50402	I	Dhamra	Mundra	52,180	1658	14	29	G	Gulf- Red Sea/ India	Fujairah	Dhamra	Sharjah	Sharjah	Taurus Shipping	27-Jun	02-Jul	124	Mundra(2-13), Paradip(3-13), Mumbai(2-13), Haldia(2-13),	Currently at Mundra.. Previously called at Dhamra, Fujairah, Mina Saqr, Sharjah, Mundra, Paradip, Ennore, Paradip, Haldia, Paradip, Salalah, Mumbai, Magdalla, Paradip, Fujairah.. Previously Discharged Thermal Coal 06/05	EXIM Sea-web
7	21-06-2013	Mundra	FENGLI 1	9010735	Steam Coal	135900	I	Indonesia	Mundra	1,49,533	2853	13.5	45	GL	Gulf- Red Sea/ India	Singapore	Singapore	Korea	Korea	Taurus Shipping	29-Jun	01-Jul	63	Mundra(1-13), Sikka(1-12)	Currently at Mundra.. Previously called at Singapore Bunker, China, Singapore Bunker, China, Singapore Bunker, Taiwan, Singapore Bunker, Brazil, China, Singapore Bunker, Sikka	EXIM Sea-web
8	20-06-2013	Magdalla	ARUN	9481659	Coal		I	Gladstone (AUS)	Magdalla	1,06,415	2791	14.5		GL	Gulf- Red Sea/ India	Port klang	Mumbai	Port Rashid (UAE)	Port Rashid (UAE)	ELL	18-Jun	21-Jun	90	Magdalla(1-13, 2-12), Mumbai(1-13), Vizag(2-12)	At Port Rashid.. Previously called at Port Klang, Singapore, Malaysia, Singapore, Gladstone(AUS), Malaysia, Fujairah, Qatar, Fujairah, Qatar, Fujairah, Qatar	EXIM Sea-web
9	20-06-2013	Jaigarh	KIRAN AMERICA	9491264	Steam Coal		I	Indonesia	Jaigarh	56,666	2400	14	34	G	Gulf- Red Sea/ India	Singapore	NewMangalore	Bandar Abbas	Bandar Abbas	Hiralal & CO	17-Jun	17-Jun		Jaigarh(1-13), NewMore(1-13), Kandla(1-13), Haldia(1-12), Dhamra(1-12)	Currently at Iran.. Previously called at NewMore(Coal discharged 05/06), Singapore, Indonesia, Taiwan, Indonesia, Chittagong, Kandla, Singapore Bunker, Haldia, Dhamra	EXIM Sea-web
10	20-06-2013	Jaigarh	[redacted]	9309497	Steam Coal		I	Indonesia	Jaigarh	87,036		14	36	GL	Gulf- Red Sea/ India	Indonesia	Indonesia	Singapore	Singapore	J.M. Baxi	28-Jun	29-Jun	42	Jaigarh(3-13, 2-12), Krishnapm(1-13, 1-11), Mormugao(1-11) Krishnapm(1-11)	Sailed to Singapore 29/06.. Previously called at Indonesia, Singapore Bunker, Jaigarh, Indonesia, Singapore Bunker, Jaigarh, Singapore Bunker, Indonesia, Krishnapm, Indonesia	EXIM Sea-web
11	19-06-2013	Tuticorin	VEENUS	9525500	Steam Coal		I	Indonesia	Tuticorin	79,200		14	39	G	South East Asia	Indonesia	Indonesia	Indonesia	Indonesia	SRL	08-Jun	18-Jun	244	Tuticorin(1-13), Porbandar(1-13), Magdalla(1-13), Mumbai(1-13, 1-12), Kandla(1-12)	Sailed from Indonesia 29/06.. Previously called at Indonesia, Singapore Bunker, Porbandar, Magdalla, Mumbai, Indonesia, China, Singapore Bunker, Mumbai, Singapore, Kandla	EXIM Sea-web
12	19-06-2013	Tuticorin	NAVIOS VEGA	9403102	Steam Coal		I	Indonesia	Tuticorin	58,792	2512	14	32	G	Gulf- Red Sea/ India	Singapore	Singapore	Kandla	Karachi	SWL	17-Jun	20-Jun	61	Kandla(1-13), Tuticorin(1-13), Paradip(2-10), Vizag(1-09), Haldia(1-09)	Sailed to Karachi 27/06.. Previously called at Singapore Bunker, Indonesia, China, South korea, Mexico, Taiwan, Japan, Panama, New Orleans(USA)	EXIM Sea-web
13	19-06-2013	Tuticorin	HEILAN SONG	9606807	Thermal Coal		I	Indonesia	Tuticorin	56,851		14	34	G	Gulf- Red Sea/ India	Indonesia	Indonesia	Bandar Abbas	Bandar Abbas	PSL	15-Jun	20-Jun	131	Tuticorin(1-13), Chennai(1-12), Kandla(1-12)	Currently at Bandar Abbas 01/07.. Previously called at Indonesia(c, Singapore Bunker, Indonesia, LA(USA), CAN, China, Singapore Bunker, Bandar Imam, Kuwait	EXIM Sea-web
14	19-06-2013	Tuticorin	HONY WORLD	9583835	Steam Coal		I	Indonesia	Tuticorin	56,716		14	34	G	Gulf- Red Sea/ India	Singapore	Singapore	Singapore	Singapore	VSP	26-Jun	28-Jun	44	Tuticorin(1-13)	Sailed for Singapore 28/06.. Previously called at China, Indonesia(C, Singapore, Tahiland, HK, China	EXIM Sea-web
15	19-06-2013	Chennai	SAT BELLATRIX	9550321	Wheat		E	Chennai	Indonesia	28,467	1200	14	23	G	South East Asia	Durban	Paradip	Singapore	Singapore	GAC	19-Jun	25-Jun	141	Chennai(1-13), Paradip(1-13)	At Singapore Anchorage02/07... Previously called at Paradip, Durban, Colombia, Venezuela, Panama, Canada, South Korea, Longview(USA)	EXIM Sea-web
16	19-06-2013	Kakinada	GEORGIANA	9488798	Coal	51803	I	Indonesia	Kakinada	53,383	2000	14	32.5	G	South East Asia	Singapore	Singapore	Singapore	Singapore	ESDI Maritime	15-Jun	19-Jun	110	Kakinada(1-13), Paradip(1-13, 2-12, 1-11, 1-10), Haldia(1-12),	Sailed to Singapore 01/07.. Previously called at Singapore Bunker, Indonesia, China, Singapore Bunker, RB, Thailand, Singapore Bunker, Paradip\Singapore Bunker, Haldia, Paradip, Indonesia	EXIM Sea-web
17	19-06-2013	Kakinada	ALAM MUTIARA	9815149	Coal	57400	I	Indonesia	Kakinada	61,498	2560	14	30	G	Gulf- Red Sea/ India	Singapore	Singapore	Kakinada	not known	Gloryfaith	19-Jun	24-Jun	131	Kakinada(1-13)	Currently at Kakinada.. Previously called at Singapore, Indonesia, Singapore, China	EXIM Sea-web
18	19-06-2013	Kakinada	JAG RAHUL	9254484	Coal	50600	I	Paradip	Kakinada	52,364		14	30	G	Gulf- Red Sea/ India	Fujairah	Paradip	Paradip	Mina Saqr	Gloryfaith	17-Jun	22-Jun	108	Frequent Gangavaram, Ennore, Paradip, Kakinada, Haldia, Vizag	Sailed to Vizag via Paradip, Ennore, Gangavaram.. Previously called at Paradip, Kakinada, Paradip, Haldia, Dhamra, Fujairah, Mina Saqr, Fujairah, Sikka, Bedi, Mumbai, Vizag	EXIM Sea-web
19	19-06-2013	Kakinada	AFRICAN JOSEPH B	9333711	Rice		E	Kakinada		18,922	1010	13		G	Gulf- Red Sea/ India	Singapore	Singapore	not known	Not known	Chowgule S					Update Needed.. Currently at Vizag	EXIM Sea-web
20	19-06-2013	Kakinada	EXELIXIS	9118569	Rice		E	Kakinada	Colombo	29,926	1220	14	24	G	Gulf- Red Sea/ India	Chittangong	Chittangong	Colombo	Colombo	Lotus	08-Jun	28-Jun		Kakinada(1-13), Vizag(1-11), Haldia(1-09)	Sailed to Colmobo.. Previously called at Chittagong, Suez, Port Said, Malta, Morocco, Spain, Gibraltar, Algeria, France, Latvia	EXIM Sea-web
21	19-06-2013	Kakinada	AMAN TRADER	8906535	Rice		E	Kakinada	Jamica	48,320	1596	14.5	38	G	Gulf- Red Sea/ India	Chittangong	Chittangong	not known	Not known	Chowgule S					Update Needed.. Currently at Kakinada	EXIM Sea-web
22	19-06-2013	Kakinada	CORELEADER OIL	9357678	Rice		E	Kakinada		37,118	1630	14.5	29	G	Gulf- Red Sea/ India	Singapore	Gangavaram	Kakinada	not known	Sri Srinivasa	15-Jun	01-Jul	197	Kakinada(1-13), Gangavaram(1-13), Vizag(1-13), Mundra(2-12), Kandla(1-12)	Currently at Kakinada.. Previously called at Gangavaram, Vizag, Singapore, Freemantle(AUS), Indonesia, Brisbance(AUS), New Zealand, Panama, Tampa(USA), Mexico, Jamaica, Mundra	EXIM Sea-web
23	19-06-2013	Vizag	JAG RANI	9456355	Iron Ore		E	Vizag	Oman	56,819	2150	14	34	G	Gulf- Red Sea/ India	Salalah	Haldia	Mumbai	Oman	Sree Bimi	18-Jun	20-Jun	44	Vizag, Haldia, Ennore, Paradip, occasionally Jaigarh, and Kandla	Sailed to Mumbai.. Previously called at Haldia, Paradip, Salalah, Mumbai, Vizag, Chennai, Fujairah, Mina Saqr, Mumbai, Vizag, Kakinada, Paradip, Gangavaram, Vizag, Fujairah	EXIM Sea-web
24	17-06-2013	Mundra	KAROLINE SNUG	9530319	Wheat	30695	E	Mundra	Sudan	33,324		14		GL	Gulf- Red Sea/ India	Fujairah	Fujairah	Sudan	Sudan	IOS				Paradip(1-10)	Update needed..Underway Mundra.. Previously called at Fujairah, Umm Qasr(IRAQ), Port Said, Italy, Malta, Tunisia, Egypt, Kuwait	EXIM Sea-web
25	17-06-2013	Mundra	BEACON SW	9343637	Wheat	31200	E	Mundra	Sharjah	32,327	1533	14	26	G	Gulf- Red Sea/ India	Karachi	Karachi	Hamriyah(UAE)	Hamriyah(UAE)	Darabshaw B	20-Jun	22-Jun	70	Mundra(1-13, 1-12), Kandla(1-13), New More(1-09), Tuticorin(1-09)	Sailed for Sharjah 01/07.. Previously called at Karachi, Singapore Bunker, China, Thailand, South Korea, Kandla, Mumbai, Singapore	EXIM Sea-web
26	17-06-2013	Mundra	PMC B FOREVER	9445253	Steam Coal	161652	I	Indonesia	Mundra	1,80,000		14	52	GL	East - South Africa / India	Singapore	Singapore	Richards Bay	Richards Bay	Taurus Shipping	12-Jun	13-Jun	9	Mundra(1-13)	Sailed to RB.. Previously called at Singapore Bunker, Indonesia, Taiwan, RB, China, Taiwan, Indonesia, Singapore Bunker, Taiwan, AUS	EXIM Sea-web
27	17-06-2013	Mundra	[redacted]	9492347	Steam Coal	159112	I		Mundra	1,78,006	4787	14	52	GL	Gulf- Red Sea/ India	Singapore	Singapore	Durban	Durban	Taurus Shipping	13-Jun	21-Jun	193	Mundra(1-13)	At Mundra.. 21/06.. Previously called at Singapore Bunker, China, Singapore Bunker, T&T, Canary Islands, Singapore bunker, Indonesia	EXIM Sea-web
28	17-06-2013	Mundra	POLLUX	9179648	Iron Ore	298709	I	Paradip	Mundra	32,017	1399	14	24	G	Far East	Singapore	Dhamra	China	China	Act Infraport	16-Jun	16-Jun		Mundra(1-13, 1-12), Dhamra(1-13), Haldia(1-13), Kolkata(1-13), Kandla(2-12), Tuticorin(1-12),	Sailed to Nantong(CHN).. Previously called at Dhamra, Haldia, Kolkata, Singapore, South korea, Portland(USA), South Korea, China, Indonesia	EXIM Sea-web
29	17-06-2013	Mundra	CAPE HARMONY	9514212	Steam Coal	184307	I	Indonesia	Mundra	1,78,373	5920	14	52	GL	Gulf- Red Sea/ India	Singapore	Singapore	Saldanha bay	Saldanha bay	Taurus Shipping	20-Jun	23-Jun	55	Mundra(1-13,1-12), Vizag(1-12)	Sailed to Saldanha bay(SBA) 23/06 Previously called at Singapore Bunker, Indonesia, Brazil, DS(UK), Netherlands, DS(UK), Canary Islands, Hay Point(AUS)	EXIM Sea-web
30	17-06-2013	Kandla	[redacted]	9105231	Wheat	180000	E	Kandla		69,128	2569	14	30	GL	South East Asia	Singapore	Singapore	Mumbai	not known	OBC & Sons	18-Jun	21-Jun			Sailed from Singapore to Dahej 25/06.. Update needed	EXIM Sea-web
31	17-06-2013	Kandla	[redacted]		Wheat	45000	E	Kandla	Oman											Aqua Shipping						EXIM Sea-web
32	17-06-2013	Kandla	MYTHEAS	8026672	Rice	25000	E	Kandla	Iraq	34,718	1908	13	28	G	Gulf- Red Sea/ India	Fujairah	Fujairah	Kandla	not known	MNE & Co				Kandla(2-13), Chennai(1-09)	Underway Kandla. Sailed 12/06.. Previously called at Fujairah, Bandar Imam, Kandla, Fujairah, Bandar Imam,Fujairah, Egypt, Turkey, Russia, Ukraine	EXIM Sea-web
33	17-06-2013	Kandla	SALTA	9419242	Rice	15000	E	Kandla	France	52,998		15		G	Gulf- Red Sea/ India	Fujairah	Fujairah	Suez	Suez	Shreejee Log	20-Jun	26-Jun	143	Kandla(1-13), Magdalla(1-13), Mumbai(1-13), Mundra(1-12), Vizag(2-11)	Concurrently loading bentonite for netherlands. Sailed from Kandla 29/06.. Previously called at Fujairah, port Rashid, Jebel Ali, Umm Qasr, Kuwait, Saudi, Port Said, Malta, DS(UK), Netherlands, Antwerp	EXIM Sea-web
34	17-06-2013	Kandla	[redacted]	9086784	Iron Ore	25000	I	New Mangalore	Kandla	26,412										Aditya Marine					Loading for coastal run. Import for NEW Mitre	EXIM Sea-web
35	17-06-2013	Kandla	KESARI PREM	9130963	Coal	67202	I	Hay Point(AUS)	Kandla	69,186	2397	14	33	G	Gulf- Red Sea/ India	Singapore	Singapore	Singapore	Singapore	Chowgule S	28-Jun	28-Jun		Dhamra(1-13), Haldia(1-13), Ennore(1-13), Vizag(1-12), Kandla(1-12), Mumbai(1-12, 4-11, 3-10, 4-09), Paradip(1-10)	Sailed Singapore Bunker.. Previously called at Singapore Bunker, Abbot Point, Hay Point(AUS), China, Singapore Bunker, Dhamra, Haldia, Ennore, Singapore Bunker	EXIM Sea-web
36	17-06-2013	Jamnagar	[redacted]		Coal	91332	I	Jamnagar												Alfalal						EXIM Sea-web
37	17-06-2013	Jamnagar	BOSTON	9445966	Coal	154993	I	Indonesia	Jamnagar	1,77,827		14	52	GL	South East Asia	Singapore	Singapore	Bedi Bunder	not known	Admiral				Yet to call India	Update needed.. Previously called at Singapore Bunker, Indonesia(c, China, Port Hedland(AUS), South Korea, Hay Point(AUS), China, Singapore Bunker, Saldanha(South Africa)	EXIM Sea-web

38	15-06-2013	Jaigarh	INDUS PROSPERITY	9523976	Steam Coal	80047		Indonesia	Jaigarh	92,988	2960	14	42	GL	Gulf- Red Sea/ India	Indonesia	Indonesia	Richards Bay	South Africa	Hiralal & CO	19-Jun	21-Jun	68	Jaigarh(1-13), Mormugao(1-13), New Mlore(1-13, 1-12, 1-11), Dahej(2-12), Kandla(1-12)	Update needed.. Previously called at Indonesia, Singapore Bunker, Malaysia, RB, Mormugao, RB, Kandla, RB, Dahej, RB, Singapore Bunker	EXIM Sea-web
39	15-06-2013	Mundra		9475301	Steam Coal				Mundra	1,76,838		14	52	GL	Mediterranean	Suez	Suez	Israel	Israel	Cross Trade Shipping	19-Jun	19-Jun		Mundra(1-13, 1-11)	Sailed to Israel.. Previously called at Suez, Port Said, Malta, Baltimore(USA), Ireland, UK, Colombia, Demark	EXIM Sea-web
40	15-06-2013	Mundra	WELHERO	9574418	Steam Coal			Indonesia	Mundra	93,328	3400	14	42	GL	Gulf- Red Sea/ India	Malaysia	Malaysia	Maputo Bay, Mozambique	Mozambique	Taurus Shipping		24-Jun		Mundra(1-13, 1-12, 1-10), Bedi(1-13), Krishnapm(1-12, 1-11), Mormugao(1-12)	Reported Sailed 22/06.. Previously called at Indonesia, China,Hay Point (AUS), China, Singapore, RB, Bedi, Singapore Bunker, Indonesia(c	EXIM Sea-web
41	13-06-2013	Vizag	WHITE HALO	9593359	Iron Ore		E	Vizag	China	55,830	2490	14	30	G	Far East	China	Haldia	Singapore	Singapore	BSS	13-Jun	14-Jun	14	Vizag(1-13), Haldia(1-13)	Sailed to China via Singapore Bunker.. Previously called at Haldia, China, Wyndham(AUS), China, Wyndham(AUS), Japan, Newcastle(AUS), Taiwan, Japan	EXIM Sea-web
42	12-06-2013	Haldia	NIKOLAOS	9473121	Coking Coal			Hay Point(AUS)	Haldia	79,539		14	35	GL	Gulf- Red Sea/ India	Singapore	Vizag	Durban	Durban	Infinity	04-Jun	04-Jun	24	Haldia(1-13,1-10), Vizag(1-13, 1-11), Paradip(1-10, 1-11)	Underway Durban Via Colombo.. Previously called at Vizag, Singapore B, Aus, China, Brazil, SA, Singapore, Aus, Singapore, Brazil	EXIM Sea-web
43	12-06-2013	Kandla		9391610	Barley	33000	E	Kandla	Iran	56,548	2601	14	30	G	Mediterranean	Singapore	Singapore	Bandar-Imam (IRAN)	Bander-Imam (IRAN)	Arnav Shipping	09-Jun	16-Jun	174	Kandla(2-13, 1-12), Vizag(1-12)	At IRAN ..Previously held coal INDONESIA discharged at Kandla 30/05 54381MT Scorpio.. Previously called at Singapore Bunker, Indonesia, HK, China, Singapore, Fujairah, Iran, Fujairah, Suez	EXIM Sea-web
44	12-06-2013	Kandla	AFI SHIRIN	9491408	Wheat	46200	E	Kandla	South Korea	56,594		14	34	G	Far East					Allied Shipping						EXIM Sea-web
45	12-06-2013	Kandla		9347906	Rice	45000	E	Kandla	South Korea	53,348		14.5	35	G	Gulf- Red Sea/ India	Singapore	Hazira	Fujairah	Singapore	Chowgule Shipping				Hazira(1-13), Paradip(1-13, 1-12, 1-11), Haldia(1-13, 1-11)	At Kandla Anchorage.... Previously held iron ore CHINA discharged at hazira 29/05 51505 MT ELL ... Previously called at Mumbai, Paradip, Singapore Bunker, Indonesia, Singapore Bunker, Krishnapatnam, Haldia, Singapore, AUS	EXIM Sea-web
46	12-06-2013	Kandla	SRI PRIYA POORNA	9074470	Coal	50770		Indonesia	Kandla	69,286	2397	14	33	G	Gulf- Red Sea/ India	Indonesia	Indonesia	Mumbai	Singapore	Scorpio Shipping				Ennore(2-13, 1-12), Mumbai(3-12, 3-10)	At Kandla Anchorage... Previously called at Indonesia, Krishnapm, Singapore, Ennore, Singapore, Indonesia, Singapore Bunker, Ennore	EXIM Sea-web
47	12-06-2013	Kakinada	SIRALE	9441374	Coal	55000		Indonesia	Kakinada	57,809		14	32	G	Gulf- Red Sea/ India	Singapore	Singapore	Singapore	Singapore	Chettinad				Kakinada(1-13), Krishnapm(1-13, 1-12), Ennore(1-12), Tuticorin(1-12)	Currently at Kakinada.. Previously called at Singapore, Indonesia(c, Singapore Bunker, Singapore, Krishnapm, Singapore Bunker, China, Singapore Bunker, Ennore, Singapore Bunker	EXIM Sea-web
48	11-06-2013	Porbandar	AMAZING	9456331	Coal	20000		Indonesia	Porbandar	57,000		14	34	G	Gulf- Red Sea/ India	Singapore	Kandla	Bandar Abbas	Bandar Abbas	Veljі P & Sons	14-Jun	14-Jun	18	Kandla(2-13, 1-12),Mundra(1-13), Mormugao(1-12)	At Bandar-Abbas...Previously held coal INDONESIA discharged at Kandla 30/05 35000MT Scorpio... Previously called at Kandla, Singapore Bunker, Indonesia, HK, China, HK, Singapore, Israel, Saudi, Yemen, Kandla.. Sailed in Ballast to Bandar-Abbas	EXIM Sea-web
49	11-06-2013	Mundra	ORIENT STRENGTH	9464863	Steam Coal	109450			Mundra	1,14,840		14.5	47	GL	Gulf- Red Sea/ India	Singapore	Singapore	Richards Bay	South Africa	Taurus Shipping	12-Jun	16-Jun	77	Mundra(1-13)	Previously called at Singapore Bunker, China, South Korea, Canada, China, AUS, China,South Korea,Canada	EXIM Sea-web
50	10-06-2013	Vizag	OCEAN MELODY	9477701	Maize	25000	E	Vizag	Vietnam	29,572	1670	14	23		Gulf- Red Sea/ India	Singapore	Singapore	Vietnam	Vietnam	IOS	10-Jun	25-Jun	262	Vizag(1-13), Krishnapetnam(1-12), Chennai(1-09)	Underway Vietnam.. 12 Days journey.. Previously called at Singapore, China, Shanghai, coos bay(US), South Korea.. Due at Vizag for Maize Export Loading as at 19/06	EXIM Sea-web
51	10-06-2013	Vizag	ANNA-ELISABETH	9407471	Steam Coal			Indonesia	Vizag	55,709	1940	13.5	31	G	Gulf- Red Sea/ India	Singapore	Singapore	Indonesia	Indonesia	BSS	09-Jun	17-Jun	189	Vizag(1-13), Paradip(2-13, 2-11), Haldia(1-13), Mundra(1-12, 1-11)	Underway Indonesia.. Previously called at Singapore Bunker, Indonesia, China, Netherlands, Singapore Bunker, Paradip, Haldia, Oman, Netherlands	EXIM Sea-web
52	10-06-2013	Vizag	YANGTZE INFINITY	9584217	Maize	30800	E	Vizag	Vietnam	32,414		14	26	G	Gulf- Red Sea/ India	Bunbury(AUS)	Bunbury(AUS)	Vizag	Singapore	IOS	21-Jun	04-Jul		Vizag(1-13), Navlakhi(2-12), Dahej(1-12)	At Vizag Anchorage.. Previously called at Aus, Indonesia, Thailand, Vietnam, China, New Zealand, Indonesia, Singapore, China	EXIM Sea-web
53	10-06-2013	Vizag	PANEMA	9445057	Maize	27500	E	Vizag	Indonesia	28,764	1933	14	23	G	Gulf- Red Sea/ India	Chittangong	Chittangong	Vizag	Singapore	Peninsular Marini				Vizag(1-13), Haldia(1-13), Vizag(1-12), Kakinada(1-12)	At Vizag Anchorage.. Previously called at Singapore, Aus, Singapore, Thailand, Singapore, Haldia, Bangladesh, South Korea	EXIM Sea-web
54	10-06-2013	Vizag	DENSA LION	9432464	Steam Coal	53902		Indonesia	Vizag	55,092	1690	14	30	G	Gulf- Red Sea/ India	Singapore	Singapore	Singapore	Singapore	BSS	12-Jun	20-Jun	198	Vizag(1-13), Paradip(1-13, 1-12), Dahej(1-13), Dhamra(1-12)	Sailed to Singapore In Ballast.. Previously called at Singapore Bunker, Indonesia, China, Singapore bunker, Dahej, USA, AUS, Singapore Bunker	EXIM Sea-web
55	10-06-2013	Tuticorin	APL AKHIL	8116867	Thermal Coal			Paradip	Tuticorin	42,760		14		G	Gulf- Red Sea/ India	n/a	Ennore	Haldia	n/a	PSL	06-Jun	09-Jun	84	Services South Indian Ports Occasionally	At Vizag Anchorage.. Previously called at Vizag, Tuticorin, Paradip, Tuticorin, Vizag, Tuticorin, Vizag, Tuticorin	EXIM Sea-web
56	10-06-2013	Tuticorin	MONTECRISTO	9491379	Thermal Coal			Indonesia	Tuticorin	55,675		14	32	G	East - South Africa / India	Singapore	Singapore	Richards Bay	Richards Bay	Esskay	06-Jun	10-Jun	102	Tuticorin(1-13), Magdallah(1-12), Jaigarh(1-12), Haldia(1-12)	At RB .. Previously called at Singapore Bunker, Indonesia, China, Panama, USA (EAST), Malta, Suez	EXIM Sea-web
57	10-06-2013	Tuticorin	CHENNAI SELVAM	9243459	Thermal Coal			Haldia, Paradip	Tuticorin	52,489	2110	14	30	G	Gulf- Red Sea/ India	Vietnam	Haldia	Paradip	not known	OSK	11-Jun	14-Jun	68	Active service between Tuticorin, Paradip, Haldia	Underway Tuticorin (T.Coal discharge 28/06).. Previously called at Haldia, Tuticorin, Paradip, Vietnam.. Active, Indian Peninsular service. Previously held Thermal Coal loaded at Vizag.. Bunkered Singapore 2012	EXIM Sea-web
58	19-06-2013	Chennai	HELLENIC WIND	9132973	Wheat		E	Chennai	North Korea	73,981	2200	14.5	32	GL	Gulf- Red Sea/ India	Singapore	Gangavaram	Krishnapatnam	Singapore	Infinity	20-Jun	22-Jun	51	Krishnapm(1-13, 1-12), Gangavaram(1-13), Chennai(1-13),	Currently at Krishnapm (Loading Wheat 44000 18/06) .. Previously called at Singapore Bunker, Indonesia, China, Canada, China, Panama, New Orleans(USA), Rotterdam	EXIM Sea-web
59	10-06-2013	Kakinada	SONAE 1	9077252	Rice		E	Kakinada	Benin	43,980	1627	14	28.5	G	Gulf- Red Sea/ India	Chittangong	Chittangong	Cotonou	Cotonou	Imperial				Kakinada(1-13, 1-12), Ennore(1-12), Vizag(1-11)	Underway Kakinada.. Previously called at Singapore Bunker, HK, China, HK, China, Kakinada, Ennore, China, Russia	EXIM Sea-web
60	10-06-2013	Kakinada	LUO ZHOU	9625564	Maize	26250	E	Kakinada	Vietnam	34,961		14	34	G	Gulf- Red Sea/ India	Chittangong	Chittangong	Singapore	Singapore	IOS	24-May	19-Jun		Kakinana(1-13)	Underway Singapore... Previously called at Singapore, South Korea, Russia, China, Vietnam, HK, China	EXIM Sea-web
61	10-06-2013	Paradip	YU JING YING	9606431	Coking Coal			Hay Point(AUS)	Paradip	76,000		14	34	GL	Gulf- Red Sea/ India	Singapore	Singapore	Haldia	Brazil	MSSL	06-Jun	06-Jun	24	Haldia(1-13), Paradip(1-13)	Underway.. Previously called at Singapore Bunker, Hay Point(AUS), China, Hay Point(AUS), China Discharging C Coal at Haldia	EXIM Sea-web
62	10-06-2013	Paradip	TOXOTIS	9563419	Steam Coal			Indonesia	Paradip	56,713	2165	14	34	G	Gulf- Red Sea/ India	Indonesia	Indonesia	Haldia	Singapore	GAC	11-Jun	12-Jun	36	Haldia(2-13), Paradip(2-13, 1-10)	Underway Singapore.. Previously called at Indonesia, Singapore Bunker, Paradip, Haldia, Fujairah, Mina Saqr, Kandla, Singapore, Indonesia	EXIM Sea-web
63	10-06-2013	Paradip	TEN YU MARU	9520800	Steam Coal			Indonesia	Paradip	58,110		14	32	G	Far East	Singapore	Singapore	Taiwan	Taiwan	BSS	07-Jun	07-Jun	24	Paradip(1-13, 1-12), Haldia(1-12), Krishnapm(1-12)	To return Paradip.. Previously called at Singapore Bunker, Indonesia, China, Indonesia, Australia, Indonesia, Thailand	EXIM Sea-web
64	10-06-2013	Paradip	SEAPACE	9486025	Steam Coal	35000		Indonesia	Paradip	56,894	2250	14	34	G	Gulf- Red Sea/ India	Singapore	Singapore	Haldia	Singapore	BSS	12-Jun	16-Jun	88	Haldia(1-13), Paradip(1-13), Kandla(1-10)	At Haldia Anchorage.. Previously called at Singapore Bunker, Indonesia, Bangladesh, Singapore Bunker, Vancouver(CAN), South Korea, China	EXIM Sea-web
65	10-06-2013	Paradip	MIRA R	9074705	Steam Coal				Paradip	26,435	1170	14	23	G	Gulf- Red Sea/ India	Suez	Suez	Haldia	Myanmar	ACEC	13-Jun	13-Jun	6	Haldia(1-13), Paradip(1-13)	Underway.. Previously called at Suez, Port Said, Turkey, Ukraine, Russia, Turkey, Canary Islands	EXIM Sea-web
66	10-06-2013	Paradip	JAL VAHINI	9562237	Coking Coal		E	Paradip	Yangon	9,838		14		GL	Gulf- Red Sea/ India	Yangon	Kandla	Haldia	Yangon, Myanmar	OSL	13-Jun	14-Jun	30	Active service between Haldia, Paradip, Vizag, Tuticorin	Called at Paradip 13/06..Currently at Haldia... Discharged Coking Coal at Paradip on 03/06.... Previously called at Kandla, Paradip, Haldia, Vizag, Tuticorin, Yangon, Vizag, Chittagong	EXIM Sea-web
67	10-06-2013	Paradip	VISHVA SHOUR	9487914	Thermal Coal		E	Paradip	Ennore	57,133	1854	14	31	G	Gulf- Red Sea/ India	Singapore	Tuticorin	Ennore	not known	J.M. Baxi	09-Jun	09-Jun	24	Haldia(1-13, 1-12), Ennore(1-13), Paradip(1-13), Tuticorin(2-13, 1-12), Vizag(1-13, 1-12)	Currently at Vizag... Discharging Thermal coal at Tuticorin 04/06.. Loading T.Coal at Paradip 24/06.. Previously called at Tuticorin, Paradip, Vizag, New Mlore, Mumbai, Kandla, Singapore Bunker, Indonesia, Taiwan, China, Singapore Bunker, Okha	EXIM Sea-web
68	10-06-2013	Paradip	KUMA	9594561	Steam Coal				Paradip	56,753	2400	14	34	G	Gulf- Red Sea/ India	Singapore	Singapore	Dhamra	Singapore	GAC	15-Jun	19-Jun	83	Dhamra(1-13), Paradip(1-13), Krishnapm(1-13), Chennai(1-13)	Underway Paradip... Previously called at Singapore Bunker, China, Singapore Bunker, Krishnapatnam, Chennai, Fujairah, Mina Saqr, Fujairah, Singapore, Indonesia	EXIM Sea-web
69	10-06-2013	Paradip	CROWN ESMERELDA	9623647	Steam Coal			Indonesia	Paradip	58,000	2370	14	32	G	Gulf- Red Sea/ India	Singapore	Singapore	Haldia	Singapore	DEBUNES	15-Jun	19-Jun	91	Haldia(1-13), Paradip(1-13), Mumbai(1-12), Navlakhi(1-12)	Currently at Haldia.. Discharging Coal 19/06 Previously called at Singapore Bunker, Indonesia, Japan, Singapore Bunker, Suez, Turkey, Russia, Ukraine, Turkey	EXIM Sea-web
70	10-06-2013	Paradip	AMOY FORTUNE	9583639	Thermal Coal			Indonesia	Paradip	56,874		14	34	G	South East Asia	Singapore	Haldia	Krishnapatnam	Indonesia	BSS	08-Jun	10-Jun	32	Krishnapm(1-13, 2-11), Paradip(1-13, 1-11), Haldia(1-13, 1-12), Vizag(1-13, 1-12)	Sailed Krishnapm (Coal discharge 54830 12/06) Currently at Indonesia...Previously discharged Steam Coal at Vizag 27/05.. Previously called at Haldia, Vizag, Singapore Bunker, China, Singapore Bunker, Malaysia, Singapore, China	EXIM Sea-web
71	10-06-2013	Paradip	ATHENOS	9408267	Steam Coal			Indonesia	Paradip	56,825	2231	14	34	G	Gulf- Red Sea/ India	Singapore	Singapore	Durban	Durban	ISIFL	14-Jun	14-Jun	24	Paradip(1-13)	Currently at Paradip.. Previously called at Singapore Bunker, Indonesia, Thailand, Singapore Bunker, Suez, Turkey, Egypt, Brazil	EXIM Sea-web
72	28-06-2013	Krishnapetnam	MADONNA III	9373629	Coal	220000		Indonesia	Krishnapetnam	53,390	2000	14	32.5	G	Gulf- Red Sea/ India	Singapore	Singapore	Vizag	not known					Paradip(2-13, 3-12), Tuticorin(1-13), Haldia(1-12), Krishnapm(1-12)	Currently at Krishnapm.. Previously called at Sinapore Bunker, Indonesia, Taiwan, China, Singapore Bunker, Paradip, RB, Singapore, Tuticorin	EXIM Sea-web

73	12-06-2013	Krishnapatnam	[redacted]	9401846	Steam Coal	106195			Krishnapatnam												Seaport Shipping								EXIM Sea-web
74	11-06-2013	Krishnapatnam	DUSTIN SCHULTE	9540871	Coal	354580		Hampton(USA)	Krishnapatnam	1,15,157		14.5	47	GL	Gulf- Red Sea/ India		Gangavaram	Durban	Durban	GAC Shipping	14-Jun	22-Jun	190	Krishnapm(1-13), Gangavaram(1-13)	Currently at Krishnapm.. Previously called at Hampton Roads(USA), Libya, Morocco, Tubarao(BRA), Singapore, China, Newcastle(AUS)	EXIM Sea-web
75	10-06-2013	Krishnapatnam	LEO ADVANCE	9442225	Steam Coal	540500		Indonesia	Krishnapatnam	55,638	2400	14	33	G	Gulf- Red Sea/ India	Singapore	Singapore	Maputo Bay, Mozambique	Mozambique	Samsara	04-Jun	13-Jun	209	Krishnapm(1-13), Mundra(1-10)	Currently at Krishnapatnam.. Previously called at Singapore Bunker, Indonesia, China, Long Beach(USA), Japan, Long Beach	EXIM Sea-web
76	10-06-2013	Jaigarh	PEDHOULAS TRADER	9296626	Steam Coal	751100		Indonesia	Jaigarh	82,214		14	35.5	GL	South East Asia	Indonesia	Indonesia	Singapore	Singapore	J.M. Baxi	14-Jun	17-Jun	70	Jaigarh(3-13, 1-12), Krishanpm(1-13,2-12, 2-11, 3-10, 1-09), NewMlore(2-12, 1-10), Mormugao(2-11,2-10, 1-09)	Currently at Singapore Bunker.. Previously called at Indonesia, Singapore, Indonesia, Singapore Bunker, Jaigarh, Singapore Bunker, Krishnapm	EXIM Sea-web
77	10-06-2013	Magdalla	MANDARIN HANTONG	9569956	Coal	550193			Magdallah	56,741		14	34	G	Gulf- Red Sea/ India	Singapore	Singapore	Bandar Abbas	Bandar Abbas	Taurus Shipping	06-Jun	12-Jun	136	Magdallah(1-13, 2-11), Vizag(1-12), Paradip(1-12, 1-11), Mormugao(1-11)	Underway Singapore.. Previously called at Singapore Bunker, Yemen, Singapore, Aus, Singapore, Peru, Chile, Panama, Galveston(USA)	EXIM Sea-web
78	10-06-2013	Hazira	GEM OF PARADIP	8307806	Iron Ore		E	Hazira	Paradip	41,090	1851	14	26	G	Gulf- Red Sea/ India			Paradip	not known	ISL						13/06 Sailed for Paradip from Mina Saqr	EXIM Sea-web
79	10-06-2013	Kandla	HE HE	9617272	Coal	552500		Indonesia	Kandla	56,786		14	34	G	Gulf- Red Sea/ India	Singapore	Singapore	Fujairah	Fujairah	Arnav Shipping	10-Jun	10-Jun		Kandla(1-13)	Sailed to Dammam via Mina Saqr, Jebel Ali 29/06.. Previously called at Singapore Bunker, Indonesia, HK, China, HK, China	EXIM Sea-web
80	08-06-2013	Bhavnagar	MANDARIN CROWN	9569229	Coal	550000		Indonesia	Bhavanagar	56,405		14	34	G	Gulf- Red Sea/ India	Singapore	Singapore	Pakistan	Pakistan					Kandla(1-13, 1-12), Mundra(1-12)	At Kandla Anchorage.. Previously called at Singapore Bunker, Indonesia, China, Singapore Bunker, Thailand, South Korea, China	EXIM Sea-web
81	07-06-2013	Kandla	SAI SUNRISE	8909355	Rice	135000	E	Kandla	Dammam	14,101	929	18		G	Gulf- Red Sea/ India		Jebel Ali	Dammam	Dammam	Sal Shipping	07-Jun	07-Jun	24	Kandla(4-13, 4-12, 2-11), Navlakhi(4-12)	Currently at Dammam... Previously called at Sharjah, Dammam, Kandla, Jebel Ali, Abu Dhabi, Kandla, Fujairah, Sharjah, Dammam, Kandla	EXIM Sea-web
82	07-06-2013	Kandla	[redacted]	8301620	Rice	189000	E	Kandla	Abidjan	21,373	1310	12	23	G	Gulf- Red Sea/ India	Egypt	Egypt	Abidjan	Abijlan	Seaways	04-Jun	10-Jun	134	Kandla(3-13, 1-12), Vizag(1-12), Mumbai(1-12)	Underway Abidjan, Ivory Coast Previously called at Kandla, Egypt, Yemen, Egypt, Turkey, Ukraine, Turkey, Croatia, Egypt, India	EXIM Sea-web
83	07-06-2013	Kandla	[redacted]	9464168	Wheat	550000	E	Kandla	Phillipines	53,627	2020	14.5	35	G	Gulf- Red Sea/ India	China	NewMangalore	Singapore	Singapore	Saumdra Marine	06-Jun	11-Jun	124	Kandla(1-13), NewMlore(1-13, 1-12), Paradip(1-12)	Underway Singapore.... Previously called at NewMlore, China, Indonesia, China, Singapore ,India, Singapore, Canada, China, Singapore, India	EXIM Sea-web
84	07-06-2013	Kandla	DYNAMIC OCEAN 27	9630523	Wheat	60000	E	Kandla	Karachi	7,346		10		G	Gulf- Red Sea/ India	Malaysia	Mumbai	Mohd. Bin Qasim	Mohd. Bin Qasim	Ashit Shipping	08-Jun	09-Jun	25	Kandla(1-13), Mumbai(1-13), Kakinada(2-12)	Retumed Kandla Anchorage 20/06.. Previously called at Mumbai, Malaysia, Vizag, SL, Vizag, Bangladesh, Malaysia, Bangladesh, Malaysia, Kakinada	EXIM Sea-web
85	07-06-2013	Kandla	SAKDARA WISDOM	9460590	Wheat	60000	E	Kandla	Jebel Ali(UAE)	76,457	2200	14	34	GL	Gulf- Red Sea/ India	Fujairah	Fujairah	Singapore	Singapore	IOS	07-Jun	14-Jun	169	Kandla(1-13)	Underway.... Previously called at Fujairah, Umm Qasr, Fujairah, Aus, Taiwan, Singapore, Brazil, Fujairah	EXIM Sea-web
86	07-06-2013	Kandla	THABIMEE MARIE	9106742	Barley	20000	E	Kandla	Jebel Ali(UAE)	23,724		13	19	G	Gulf- Red Sea/ India	Singapore	Singapore	Jabel Ali Anchorage	UAE	Arnav Shipping	29-May	06-Jun	192	Kandla(1-13, 1-09), Tuticorin(1-13, 2-12, 1-11),Vizag(1-12), Mundra(1-12)	Anchored at Kandla Anchorage.. Previously called at Singapore, Malaysia, Vietnam, Singapore, Chennai, Tuticorin, Singapore, Papua New Guinea, Singapore, Krishnapm	EXIM Sea-web
87	07-06-2013	Kandla	NASHMEH	8320145	Rice	25000	E	Kandla	Iran	43,342	2073	14.5		G	Gulf- Red Sea/ India	Fujairah	Fujairah	notknown	not known	Arnav Shipping	10-Jun	11-Jun	24	Kandla(1-13, 1-12)	Kandla Anchorage.. Previously called at Fujairah, Iran, Kuwait, Mina Saqr, Iran, Kuwait, Mina Saqr, Kuwait	EXIM Sea-web
88	07-06-2013	Kandla	NASHMEH	9612155	Rice	30000	E	Kandla	Singapore	32,500	1670	14	23	G	Gulf- Red Sea/ India	South Korea	Mumbai			Helarship				Kandla(1-13), Mumbai(1-13)	Anchored at Kandla Anchorage.. Previously called at Mumbai, South korea, China, Richmond(USA), South Korea, China, South Korea	EXIM Sea-web
89	07-06-2013	Kandla	ASIA	9059124	Maize	22400	E	Kandla	Bandar Imam	22,948		17	25	G	Gulf- Red Sea/ India	Bandar Abbas	Bandar Abbas	notknown	not known	MNK & Co				Kandla(1-13,1-12, 1-10), Navlakhi(1-12)	Anchored at Kandla Anchorage.. Previously called at Iran, Bedi, Iran, Kandla, Iran, Fujairah, China, Fujairah	EXIM Sea-web
90	07-06-2013	Kandla	ALABAMA BELLE	8412144	Wheat	28606	E	Kandla	Djibouti	41,808	1507	13		G	Gulf- Red Sea/ India	Jeddah	Jeddah	Djibouti	Djibouti	GAC Shipping				Kandla(1-13), Mundra(1-11)	Kandla Anchorage.. Previously called at Jeddah, Egypt, Saudi, Suez, Port Said, Turkey, Ukraine, Turkey, Egypt, Malta, Boston(USA)	EXIM Sea-web
91	07-06-2013	Kandla	[redacted]	9478511	Wheat	35500	E	Kandla	Djibouti	55,989	2350	14	30	G	Gulf- Red Sea/ India	Singapore	Singapore	Kandla	Djibouti	IOS				Kandla(2-13), Vizag(1-13, 1-12)	Kandla Anchorage.. Previously called at Singapore bunker, Indonesia, Singapore, Vizag, Singapore, Singapore bunker, Mexico, Panama, LA(USA), USA, Previously held coal INDONESIA discharged at Kandla 30/05 55550MT Arnav	EXIM Sea-web
92	07-06-2013	Kandla	SEA ORD	8314485	Rice/Wheat	18000	E	Kandla	South Korea	17,297	2569	14	30	G	South East Asia	Jordan	Jordan	notknown	not known	DBC & Sons				Kandla(1-13), Vizag(1-11)	At Kandla Anchorage.... Previously called at Jordan, Suez, Egypt, Turkey, Russia, Ukraine, Turkey, Egypt, Turkey, Egypt, Turkey	EXIM Sea-web
93	07-06-2013	Kandla	SAHJAD	9405954	Rice	37000	E	Kandla	Iran	53,456	2000	14	32.5	G	Gulf- Red Sea/ India	Fujairah	Fujairah	Kandla	Iran	J.M. Baxi				Kandla(1-13, 1-12), Mundra(1-12)	Underway Kandla..Previously called at Bandar Abbas, Iran, Vladivostok, China, Iran, Suez, Turkey, Ukraine, Egypt, Iran, Egypt	EXIM Sea-web
94	07-06-2013	Kandla	[redacted]	8323159	Rice/Wheat	7500	E	Kandla	Mogadishu	7,988		13		G	Gulf- Red Sea/ India	Jeddah	Jeddah	Port Rashid (UAE)	Port Rashid (UAE)	Aashirvad Shipping	04-Jun	13-Jun	217	Kandla(1-13)	Sailed to UAE.. Previously called at Jeddah, Suez, Turkey, Libya, Turkey , Lebanon, Egypt, Saudi	EXIM Sea-web
95	07-06-2013	Kandla	PEARL OF SEA	8306797	Rice	15000	E	Kandla		29,159	1598	14	23	G	Gulf- Red Sea/ India	Singapore	Tuticorin	notknown	not known	Arnav Shipping				Kandla(1-13), Tuticorin(1-10)	Underway Kandla.. Previously called at Tuticorin, Singapore, Vietnam, Singapore, NewMlore, Bangladesh, Loading for Africa	EXIM Sea-web
96	07-06-2013	Kandla	NABIL H	7911698	Rice	5500	E	Kandla	Iran	4,196		12		GL	Gulf- Red Sea/ India					Aashirvad Shipping					No DATA	EXIM Sea-web
97	07-06-2013	Kandla	SAM TIGER	9294513	Coal	520000		Indonesia	Kandla	52,454		14	30	G	Gulf- Red Sea/ India	Singapore	Singapore	Pakistan	Pakistan	Benline Agency	08-Jun	08-Jun	24	Kandla(1-13), Kakinada(1-09)	Anchored at Pakistan... Previously called at Singapore, Indonesia, Philippines, China, Panama, USA, Malta, Suez, Fujairah	EXIM Sea-web
98	07-06-2013	Kandla	[redacted]	9240794	Coal	47716		Richards Bay	Kandla	50,363	1770	14	30	G	Gulf- Red Sea/ India	Richards Bay	Richards Bay	Richards Bay	Richards Bay	GAC Shipping	07-Jun	08-Jun		Kandla(1-13), Vizag(1-12), Tuticorin(1-10), Paradip(1-10)	At Kandla Anchorage, previously called at Mauritius, Singapore, Taiwan, China, Cape Town, Gabon, Ghana, Singapore bunker, Taiwan	EXIM Sea-web
99	07-06-2013	Kandla	STAR OF ABU DHABI	9375927	Coal	77000		Indonesia	Kandla	81,426		14	36	GL	Gulf- Red Sea/ India	Singapore	Singapore	notknown	not known	Benline Agency	15-Jun	18-Jun	56	Kandla(1-13), NewMlore(1-13), Jaigarh(1-13), Mumbai(1-12), Krishnapm(2-12), Haldia(1-11)	At Kandla Anchorage.. Previously called at Singapore Bunker, Singapore, China, HK, Singapore Bunker, RB, Mozabique, New Mlree, RB, Jaigarh, Bunker	EXIM Sea-web
100	07-06-2013	Kandla	AFI IAD	9254496	Coal	51137		Indonesia	Kandla	52,481	2084	14	30	G	Gulf- Red Sea/ India	Singapore	Singapore	Singapore	Singapore	OTA Kandla	19-Jun	20-Jun	33	Services Vizag, Paradip, New mlore, Haldia, Tuticorin, Ennore	At Kandla Anchorage.. Previously called at Singapore, Singapore Bunker, Indonesia, South Korea, China, Singapore, RB, SA Chennai, Mina Saqr	EXIM Sea-web
101	07-06-2013	Kandla	ZEALAND ALMERE	9473195	Coal	55000		Indonesia	Kandla	57,195		14	31	G	South East Asia	Singapore	Singapore	Bandar Abbas	Bandar Abbas	Samsara	16-Jun	17-Jun	24	Kandla(1-13)	Underway Babbas... Previously called at Singapore bunker, China, Singapore, Iran, Fujairah, Cape Town, Nigeria, Singapore, South Korea,	EXIM Sea-web
102	07-06-2013	Kandla	[redacted]	8406377	Coal	165000		Richards Bay	Kandla	1,94,226	4070	12	41	GL	East - South Africa / India	Richards Bay	Richards Bay	Kandla	Kandla	Scorpio Shipping	08-Jun			Kandla(1-13)	Kandla Anchorage.... Previously called at RB, Singapore, China, Suez, Turkey, Ukraine, Russia, Turkey, Egypt, Singapore Bunker, China	EXIM Sea-web
103	07-06-2013	Dahej	WELTRUST	9574446	Coal	512650		Richards Bay	Dahej	93,217	3560	14	42	GL	East - South Africa / India	Singapore	Singapore	Richards Bay	Richards Bay	Taurus Shipping	30-May	01-Jun	48	Dahej(2-13), Mormugao(1-13), Mundra(1-12), Vizag(1-11)	At RB.. Previously called at Singapore Bunker, RB, AUS, Mormugao, RB, Dahej, Singapore Bunker, China, Singapore, Brazil	EXIM Sea-web
104	07-06-2013	Jamnagar	DELFA	9330094	Coal	530200		Indonesia	Jamnagar	53,594	2020	14.5	35	G	Gulf- Red Sea/ India	Singapore	Singapore	Karachi	Karachi	Admiral				Jamnagar(1-13), Krishnapm(1-11), Tuticorin(1-09)	At Fujairah.. Previously called at Singapore Bunker, Indonesia, Singapore, Suez, Turkey, Ukraine, Romania, Ukraine, Turkey, Malta	EXIM Sea-web
105	07-06-2013	Jamnagar			Chal	530000		Indonesia	Jamnagar											Scorpio Shipping						EXIM Sea-web
106	07-06-2013	Jamnagar	GENCO TIBERIUS	9331595	Coal	165000		Indonesia	Jamnagar	1,75,874		14	55	GL	East - South Africa / India	Singapore	Singapore	Richards Bay	Richards Bay	Admiral	07-Jun			Mundra(1-13, 1-12), Jamnagar(1-13)	At RB.. Previously called at Mundra, Singapore Bunker, Indonesia, China, Suez, Turkey, China, Ukraine, Turkey, Israel, Malta, Morocco, RB, Fujairah	EXIM Sea-web
107	07-06-2013	Bedi Bunder	MAERSENGER 12	9497282	Coal	110000		Indonesia	Bedi Bunder	1,15,305		14.5	47	GL	Gulf- Red Sea/ India	Singapore	Singapore	Durban	Durban	Admiral	06-Jun	16-Jun	226	Bedi(1-13)	Underway.. Previously called at Singapore Bunker, Indonesia, China, Singapore Bunker, Brazil, Singapore Bunker, China, AUS, China, Singapore Bunker	EXIM Sea-web
108	07-06-2013	Jamnagar			Coal	159844		Indonesia	Jamnagar											Admiral						EXIM Sea-web
109	07-06-2013	Navlakhi			Coal	680000		Indonesia	Navlakhi											Infinity						EXIM Sea-web
110	07-06-2013	Dahej	CHANG SHUN II	9546071	Coal	250000		Indonesia	Dahej, Magdallah	57,000		14	34	G	Gulf- Red Sea/ India	Magdallah	Magdallah	Iran	Iran	Overseas	08-Jun	17-Jun	206	Dahej(1-13), Hazira(1-13), Mumbai(1-12), Tuticorin(1-10)	Underway Iran.. Previously held coal INDONESIA discharged at Hazira 29/05 30600MT OMAPL.. Previously called at Singapore Bunker, Indonesia, Singapore, Suez, Turkey, Ukraine, Turkey, Egypt, Fujairah	EXIM Sea-web
111	06-06-2013	Mundra	ANANGEL MARINER	9439072	Steam Coal	163436		Indonesia	Mundra	1,79,700	1580	15.4	14.5	GL	Gulf- Red Sea/ India	Singapore	Singapore	Port Louis	Port Louis	J.M. Baxi	07-Jun	11-Jun	91	Mundra(1-13)	Underway.. Previously called at Singapore, Indonesia, Shanghai, China, South Africa, Aus, China, Aus, Singapore, China	EXIM Sea-web
112	10-06-2013	Ennore	ARKTIS	9282888	Coal			Indonesia	Ennore	53,685	2080	14	32.5	G	Gulf- Red Sea/ India	Singapore	Singapore	Singapore	Singapore	Seatrans	10-Jun	11-Jun	35	Ennore(1-13), Kandla(1-13), Chennai(1-08)	At New Mlore(Discharging coal06/07) .. Previously called at Ennore, Singapore Bunker, Indonesia, China, Singapore Bunker, Jakhau, Kandla, Singapore Bunker, Japan, China	EXIM Sea-web

113	05-06-2013	Ennore	GENCO SUCCESS	9121730	Coal	45000	I	Indonesia	Ennore	47,186		14	28	G	Gulf- Red Sea/ India	Singapore	Singapore	Durban	Durban	Esskay	04-Jun	05-Jun	20	Vizag(1- 08), Tuticorin(1- 07)	Underway	EXIM Sea-web
114	05-06-2013	Ennore	BULK MONACO	9442938	Coal	70060	I	Indonesia	Ennore	76,596	2970	14	34	GL	Gulf- Red Sea/ India	Singapore	Singapore	Santos (Brazil)	Santos (Brazil)	Esskay	06-Jun	08-Jun	47	Paradip(1-10)	Underway to Santos, near Cape of Good Hope 27/05.. Previously called at Singapore, Indonesia, China, Singapore bunker, Brazil, Hay Point AUS..	EXIM Sea-web
115	05-06-2013	Kakinada	JS BANDOL	9480777	Coal	55000	I	Paradip	Kakinada	57,970		14	32	G	East - South Africa / India	South Africa	SA - Paradip	Richards Bay	Richards Bay	BSS	30-May	05-Jun	146	Paradip(3-13, 1-12), Mormugao(1-11), Dahej(1-12), Dhamra (1-13)	Discharged Coal at Paradip and Kakinada, Loaded Grains. Loaded thermal Coal at Paradip 27/05	EXIM Sea-web
116	05-06-2013	Kakinada	CROWNED EAGLE	9418729	Coal		I	Indonesia	Kakinada	55,949	2360	14	30	G	Gulf- Red Sea/ India	Singapore	Singapore	Paradip	Paradip	ESDI Maritime	03-Jun	08-Jun	127	Paradip(2-13, 1-12), Krishapm, Vizag, Haldia	On India, Singapore, Indonesia run	EXIM Sea-web
117	05-06-2013	Kakinada	[redacted]		Rice		E	Kakinada												Lotus					No data	EXIM Sea-web
118	05-06-2013	Kakinada	RE ACE	8405787	Rice		E	Kakinada	Durban	23,507	1118	14	19	G	Gulf- Red Sea/ India	Chittangong	Chittangong	Durban	Durban	Chowgule S				Vizag(1-08, 1-12), Haldia	Underway, waiting at Anchorage.. Singapore, Indonesia, Russia, Bangladesh, India Run	EXIM Sea-web
119	05-06-2013	Kakinada	KIVELI	8204731	Rice		E	Kakinada	Colombo	38,191		14		G	Gulf- Red Sea/ India	Port Said, Egypt	Port Said, Egypt	Colombo	Colombo	Seatrans	23-May	23-May	24	Kakinada(1-13), Tuticorin(1-12), Paradip(1-12), Vizag(1-11)	Discharged at Colombo.... Previously called at Dover Strait(UK), St.Petersburg(RUS), Valencia(ESP), Turkey, Ukraine, Greece	EXIM Sea-web
120	05-06-2013	Kakinada	[redacted]	9082908	Rice		E	Kakinada		46,637	1778	14	27	G	South East Asia	Singapore	Singapore	notknown	not known	Seaways				Kakinada(1-12), Vizag(1-12,1-11)	Underway to Kakinada.....Previously called at Singapore, Thailand, China, UAE, Saudi, Iran	EXIM Sea-web
121	05-06-2013	Kakinada	[redacted]	9493224	Rice		E	Kakinada	Colombo	28,202		14	23	G	Gulf- Red Sea/ India	Bunbury(AUS)	Bunbury(AUS)	Colombo	Colombo	Chowgule S	23-May	11-Jun	455	Kakinada(3-13)	Sailed to Colombo.. Previously called at Kakinada, Bunbury(AUS), Vietnam, Singapore, Kakinada, Chittagong, HK, Chittagong, Singapore, China	EXIM Sea-web
122	05-06-2013	Ennore	IRINI	8802210	Coal		I	Indonesia	Ennore	69,734	2556	13.5	28.5	GL	Gulf- Red Sea/ India	Singapore	Singapore	Singapore	Singapore	Malaysia	05-Jun	08-Jun	85	Ennore(1-13), Paradip(1-10)	Sailed to Malaysia.. Previously called at Singapore, Indonesia, China, Singapore Bunker, Canary Islands, DS(UK)	EXIM Sea-web
123	05-06-2013	Vizag	CHANG PYUNG	9557240	Maize	27500	E	Vizag	Indonesia	32,484		14	23	G	South East Asia	Trincomalee	Trincomalee	Singapore	Singapore	IOS	05-Jun	05-Jun	24	Vizag(1-13,1-12), Haldia(1-12, 1-11)	Previously called at SL, UAE, Saudi, Kuwait, Singapore, Indonesia, Japan	EXIM Sea-web
124	05-06-2013	Vizag	SANMAR PHOENIX	8320523	Thermal Coal		E	Vizag	Tuticorin	54,747	1638	13	30	G	Gulf- Red Sea/ India		Tuticorin, via Haldia	Tuticorin		Seapol	03-Jun	03-Jun	24	Indian run since 2012	More details on loading@vizag underway Singapore. Discharged thermal coal at Tuticorin 28/05	EXIM Sea-web
125	05-06-2013	Vizag	JAG RISHI	9456343	Iron Ore		E	Vizag	Ennore	56,719	2153	14	20	G	Gulf- Red Sea/ India	Fujairah	Dhamra	Mumbai		Sree Binny	04-Jun	06-Jun	33	Paradip(4-13),Vizag(3-13), NewMngalore(2-13)	Previously called at Dhamra, Fujairah, Mina Saqr, Chennai, Fujairah, Vizag, Paradip	EXIM Sea-web
126	05-06-2013	Vizag	[redacted]	8507339	Coking Coal		I		Vizag	26,587	1254	13	19	G	Gulf- Red Sea/ India	Fujairah	Kandla	Bushehr(IRAN)	Bushehr(IRAN)	integral				Tuticorin(1-11), Kandla(1-13)	Underway to Vizag. Details needed. Previously called at Fujairah, Mina Saqr, Fujairah, Yemen, Bahrain, Kuwait, Qatar	EXIM Sea-web
127	05-06-2013	Vizag	[redacted]		Maize		E	Vizag						G						Lotus	10-Jun				No data.. Loaded 21000 Maize, 10/05, Vizag	EXIM Sea-web
128	05-06-2013	Vizag	DENSA FALCON	9649081	Maize	28500	E	Vizag	Indonesia	36,752		14	26	G	Gulf- Red Sea/ India	Australia	Australia	Singapore	Singapore	IOS	17-May	27-May	250	Vizag(1-13). Few rails. Young vessel	Still Loading at Vizag Bunbury(AUS), Singapore	EXIM Sea-web
129	05-06-2013	Vizag	[redacted]	8221430	Thermal Coal	44000	E	Vizag		39,990	1525	15		G	Gulf- Red Sea/ India	China	Paradip	Ennore	not known	Seapol				Indian run	Currently at Ennore. Update needed. Previously called at Paradip, Ennore, Haldia, Ennore, Vizag, Ennore, Paradip, China. Discharged thermal coal at Paradip	EXIM Sea-web
130	05-06-2013	Haldia	VISHVA BANDHAN	9464778	Thermal Coal		E	Haldia, Paradip	Tuticorin	57,196		13.5	30.5	G	Gulf- Red Sea/ India	Singapore	Tuticorin	Tuticorin	Singapore	J M Baxi	03-Jun	05-Jun	19		Sailed to Tuticorin, Anchored since 09/06. Services, Tuticorin, Paradip and Haldia.. Discharged thermal coal at Tuticorin 23/05.. Due at Tuticorin for T.Coal discharge Active Service at southern Indian ports, Singapore, Vietnam, Israel, Saudi	EXIM Sea-web
131	05-06-2013	Paradip	[redacted]	9263124	Steam Coal		I	Vancouver(CAN)	Paradip	52,491	2143	14	30	G	Gulf- Red Sea/ India	Singapore	Singapore	Ennore	Singapore	GPR	03-Jun	09-Jun	135	Haldia(1-12, 1-09), Paradip(2-10), Chennai(1-11, 1-09)	Previously called at Singapore, Vancouver(US), China, South Korea, Peru, El Salvador	EXIM Sea-web
132	05-06-2013	Paradip	SUMIHOU	9197331	Coking Coal		I	Gladstone (AUS)	Paradip	74,940	2746	14	34	GL	Gulf- Red Sea/ India	Singapore	Singapore	Maputo Bay, Mozambique	Maputo Bay, Mozambique	OSL	03-Jun	06-Jun	72	Paradip(1-13, 1-12), Haldia(1-13)	Underway.. Previously called at Singapore, Australia, Japan, China, Australia, South Korea, Singapore, Paradip	EXIM Sea-web
133	05-06-2013	Paradip	TRITON SEAGULL	9324150	Steam Coal		I	Indonesia	Paradip	56,058	2380	14	30	G	South East Asia	Singapore	Singapore	Singapore	Singapore	BSS	08-Jun	12-Jun	190	Paradip(1-13, 1-11, 1-09), Chennai(2-11)	Previously called at Singapore, Indonesia, Malaysia, Singapore, Argentina, Uruguay, Turkey	EXIM Sea-web
134	05-06-2013	Paradip	WELSUCCESS	9574391	Iron Ore		E	Paradip	Brazil	93,328	3525	14	42	GL	Gulf- Red Sea/ India	Singapore	Krishnapatnam	Brazil	Brazil	ADM	30-May	30-May	24	Paradip(1-13), Krishnapatnam(1-13), Dahej(1-12), Jaigarh(1-12)	Underway.. Previously called at Krishnapm(Discharge C.Coal 7167313/05),Singapore Bunker, Australia, China, Singapore, South Africa, India, Singapore	EXIM Sea-web
135	05-06-2013	Paradip	NEMTAS 4	9311529	Steam Coal		I	Indonesia	Paradip	56,023	2167	14	30	G	Gulf- Red Sea/ India	Singapore	Singapore	Haldia	Singapore	PMA	05-Jun	07-Jun	48	Paradip(2-13, 2-12, 1-10), Haldia(1-13, 2-12, 1-11)	Returned Paradip 16/06. Previously called at Singapore, China, HK, China, Indonesia, China, Indonesia, Singapore.. Discharing Coal at Haldia 14/06	EXIM Sea-web
136	05-06-2013	Paradip	SINAR EUTAI	9494149	Steam Coal		I	Indonesia	Paradip	57,334		13.4	30.5	G	Gulf- Red Sea/ India	Singapore	Singapore	Haldia	not known	SCC	06-May	08-Jun	87	Pradip(1-13), Vizag(1-12)	At Haldia Anchorage. Discharging Coal. Previously called at Singapore, Indonesia, Singapore, Thailand, China, Indonesia, Philipines, USA	EXIM Sea-web
137	05-06-2013	Paradip	CMB CHARDONNAY	9633147	Steam Coal		I	Indonesia	Paradip	95,707	3900	14	42	GL	Gulf- Red Sea/ India	Singapore	Singapore	Richards Bay	South Africa	ESPL	07-Jun	19-Jun	191	Paradip(1-13)	Underway.. Previously called at Singapore, Australia, Taiwan, Australia, China, North Korea, Australia	EXIM Sea-web
138	05-06-2013	Paradip	ARIES FORTUNE	9222601	Thermal Coal		E	Paradip	Tuticorin	52,261		14	29	G	South East Asia	Singapore	Ennore	Ennore	not known	SSS				Paradip(4-13, 2-12), Dhamra(1-13), Kandla(1-12), Vizag(1-12)	Underway.. Previously called at Ennore, Paradip, Dhamra, Haldia, Singapore, Paradip,Saudi, Kandla, Singapore, Indonesia	EXIM Sea-web
139	05-06-2013	Paradip	BOTAFOGO	9251274	Steam Coal		I	Indonesia	Paradip	76,623	2970	14	34	GL	South East Asia	Singapore	Singapore	Paradip		OEBLINES				Yet to call at India	Underway.. Previously called at Singapore, China, Australia, China, Aus, Malaysia, Singapore, China, USA	EXIM Sea-web
140	05-06-2013	Paradip	PACIFIC ACE	9605276	Steam Coal		I	Indonesia	Paradip	59,843		14.5		G	Gulf- Red Sea/ India	Singapore	Singapore	Haldia	Singapore	Tmill	07-Jun	11-Jun	115	Haldia(1-13), Paradip(1-13)	At Haldia Anchorage.. Discharging Coal.. Previously called at Singapore, Indonesia, China, Singapore, Bedi, Pakistan, South Africa, Kenya, UAE, South Africa	EXIM Sea-web
141	05-06-2013	Paradip	LYRIC STAR	9586631	Steam Coal		I	Indonesia	Paradip	81,900		14.5	38	GL	Gulf- Red Sea/ India	Singapore	Singapore	Colombo	Colombo	Tmill	09-Jun	17-Jun	187	Paradip(1-13), Vizag(1-12)	Underway..Previously called at Singapore Bunker, Indonesia, South Korea, Singapore Bunker, Brazil, India, Singapore Bunker, AUS, China	EXIM Sea-web
142	10-06-2013	Krishnapatnam	ALPHA ACTION	9074494	Coal	49589	I		Krishnapatnam	1,50,790		14	46	GL	South East Asia	Israel	Israel	Singapore	Singapore	Seatrans	04-Jun	20-Jun	385	Krishnapm(1-13)	Currently at Singapore bunker.. Previously called at Israel, Chile, Singapore Bunker, Dover Strait(UK), Netherlands, DS(UK), Colombia	EXIM Sea-web
143	10-06-2013	Krishnapatnam	GRACE FUTURE	9331543	Steam Coal	71500	I	Indonesia	Krishnapatnam	75,375	2690			GL	Gulf- Red Sea/ India	Indonesia	Indonesia	notknown	not known	Merchant Shipping				Yet to call at India	At Krishnapm Anchorage.. Previously called at Taiwan, Indonesia, HK, China, Singapore Bunker, DS(UK), Denmark, Lithuania, Poland	EXIM Sea-web
144	10-06-2013	Krishnapatnam	SULE ARGENTINA	9420265	Steam Coal	53770	I		Krishnapatnam	53,477	1940	14	31	G	Gulf- Red Sea/ India	Indonesia	Indonesia	Singapore	Singapore	Infinity/ Seaport				Krishnapm(1-13), Kandla(1-12), Magellan(1-12), Paradip(1-12)	At Krishnapm Anchorage.. Previously called at Singapore Bunker, HK, China, HK, China, Singapore Bunker	EXIM Sea-web
145	10-06-2013	Krishnapatnam	[redacted]	9453658	Coking Coal	30000	I	Gladstone (AUS)	Krishnapatnam	57,001	2293	14	34	G	Gulf- Red Sea/ India	Singapore	Singapore	Haldia	not known	Merchant Shipping	11-Jun	11-Jun		Paradip(1-13, 1-12), Haldia(1-13), Krishnapm(1-13), Pipavav(1-12)	Sailed to Haldia, Paradip.. Previously called at Singapore Bunker, Gladstone(AUS), Port Kembla(AUS), Fujairah, Qatar, Sharjah, Dammam. At Haldia for Coal Discharge 21/06	EXIM Sea-web
146	09-06-2013	Krishnapatnam	TEAM PROGRESS	9125566	Coal	39344	I		Krishnapatnam	43,775	1850	14	29	G	East - South Africa / India	Singapore	Singapore	Durban	Durban	Glory Faith	09-Jun	15-Jun	139	Krishnapm(1-13), Paradip(1-13), Haldia(1-12), Kandla(1-09)	Sailed to Durban. Currently at Maputa(MOZBQ). Previously called at Singapore, China, Singapore Bunker, Paradip, Chittagong, Fujairah, Saudi	EXIM Sea-web
147	09-06-2013	Krishnapatnam	SPOT	9487225	Coal	52231	I	Indonesia	Krishnapatnam	53,100		15		G	South East Asia	Singapore	Singapore	Singapore	Singapore	Seaport Shipping	12-Jun	12-Jun		Krishnapm(1-13), Kakinada(1-12), Haldia(1-12), Paradip(1-12), Navlakhi(1-12), Vizag(1-12)	Sailed to Singapore Bunker.. Previously called at Singapore Bunker, Indonesia, China, Fujairah, Iran, Fujairah, Brazil	EXIM Sea-web

148	08-06-2013	Krishnapatnam	[redacted] APOLLON	9211145	Coal	45146			Krishnapatnam	52,073		14	32	G	East - South Africa / India					Glory Faith							EXIM Sea-web
149	05-06-2013	Vizag	TAMIL PERIYAR	8221428	Thermal Coal	44000	E	Vizag	Ennore	39,990	1523	16		G	Gulf- Red Sea/ India	Singapore	Singapore	Haldia	not known	Seapol	11-Jun	14-Jun	77	Vizag, Haldia, Ennore, Paradip	Underway.. Previously called at Singapore, Int, China, Int, India, services coastal India, b/w Ennore, Paradip, Haldia, Vizag.. Discharging Coal at Ennore 24/06	EXIM Sea-web
150	05-06-2013	Mundra	[redacted]	9507893	Steam Coal	162440		Indonesia	Mundra	1,78,978	4200	14.5	66	GL	Gulf- Red Sea/ India	Singapore	Singapore	Richards Bay	Richards Bay	Taurus Shipping	02-May	08-May	144	Mundra(1-13)	Sailed to RB.. Currently at Krishnapm(Discharging Coal 184999 26/06).. Previously called at Singapore Bunker, Indonesia(c, Port Hedland(AUS), China, T&T, DS(UK)	EXIM Sea-web
151	05-06-2013	Mundra	MONA RIVES	9233337	Steam Coal	158281		Indonesia	Mundra	1,71,012	5210	14	56	GL	Gulf- Red Sea/ India	Singapore	Singapore	Brazil	Brazil	Taurus Shipping	09-Jun	14-Jun	134	Mundra(1-13)	Anchored at Mundra.. Previously called at Singapore, Indonesia, China, Singapore, Mauritania, Morocco, Malta, Israel, Malta, ESP	EXIM Sea-web
152	05-06-2013	Mundra	[redacted]	9663635	Wheat	57750	E	Mundra	Dammam	63,500	2290	14	30	G	Gulf- Red Sea/ India	Turkey	Mormugao	Dammam	Dammam	Cross Trade Shipping	09-Jun	14-Jun	115	Mundra(1-13), Mormugao(1-13)	Previously called at Mormugao, Suez, Turkey, Ukraine, Turkey, Italy, Croatia, Italy, Algeria. .Previously discharged C.Coal at Mormugao 24/05 Hiralal	EXIM Sea-web
153	05-06-2013	Tuticorin	FOUR KITAKAMI	9430820	Steam Coal			Indonesia	Tuticorin	55,668	2380	14	30	G	South East Asia	Singapore	Singapore	Singapore	Singapore	RAS	02-Jun	05-Jun	88	Tuticorin(1-13), Mormugao(1-12, 2-11), Sikka(1-12), Paradip(2-10)	Sailed from Singapore.. Previously called at Singapore Bunker, China, Singapore Bunker, Mumbai, Singapore Bunker, Canada, Japan	EXIM Sea-web
154	05-06-2013	Tuticorin	SAM HAWK	9637419	Steam Coal			Indonesia	Tuticorin	57,200	2120	14	31	G	East - South Africa / India	Indonesia	Indonesia	Durban	Durban	SPS	04-Jun	07-Jun	75	Tuticorin(1-13)	Currently at Durban.. Previously called at Indonesia, Singapore Bunker, China, Jordan, Egypt, Fujairah, Mina Saqr, Singapore Bunker	EXIM Sea-web
155	05-06-2013	Tuticorin	ASTRA PERSEUS	9611814	Steam Coal			Indonesia	Tuticorin	58,518		13.5	25.2	G	East - South Africa / India	Singapore	Singapore	Durban	Durban	SPS	02-Jun	07-Jun	122	Tuticorin(1-13), Haldia(1-13), Paradip(1-13)	Currently at Durban.. Previously called at Singapore Bunker, Indonesia, Singapore, Haldia, Paradip, Singapore, Indonesia, China	EXIM Sea-web
156	05-06-2013	Tuticorin	APJ KAIS	9491381	Steam Coal			Indonesia	Tuticorin	56,725	2260	14	34	G	South East Asia	Singapore	Vizag	Haldia	Singapore	PSL	01-Jun	04-Jun	83	Regularly calls at Tuticorin, Vizag, Haldia, Paradip, Ennore, Kandla, Mumbai	Sailed Tuticorin via haldia, Vizag. Currently at Singapore.. Previously called at Vizag, Singapore Bunker, Indonesia, China, Singapore Bunker, Kandla, Magtallah, Singapore, Indonesia, Malaysia, Ennore, Paradip	EXIM Sea-web
157	05-06-2013	Tuticorin	MEDI OKINAWA	9514389	Steam Coal			Indonesia	Tuticorin	56,118	2310	14	30	G	Gulf- Red Sea/ India	Singapore	Singapore	Mumbai	Singapore	AEL	06-Jun	09-Jun	86	Mumbai(1-13), Tuticorin(1-13), Ennore(1-13), Paradip(1-13), Kakinada(1-13)	Currently at Mumbai.. Previously called at Singapore, Indonesia, Singapore Bunker, Ennore, Paradip, Singapore Bunker, Singapore Bunker, Indonesia, Kakinada, Singapore	EXIM Sea-web
158	04-06-2013	Kandla	LU CHANG DIAN 3	9466518	Wheat	28250	E	Kandla	Thailand	53,393				G	South East Asia	Singapore	Magdalla	Singapore	Singapore	Benline Agency	04-Jun	04-Jun	24	Kandla(1-13), Magtallah(1-13), Mundra(1-10), Haldia(1-09)	Sailed to Thailand.. Previously called at Singapore Bunker, China, Russia, Japan, Singapore, Brazil	EXIM Sea-web
159	04-06-2013	Kandla	SANKO MARBLE	9401922	Rice	8000	E	Kandla	Jebel Ali(UAE)	50,779				G	Gulf- Red Sea/ India	Singapore	Singapore	Mundra	Mina Saqr	Act Infraport	04-Jun	05-Jun	24	Mundra(1-13, 1-12), Kandla(1-13, 2-12), Vizag(1-12)	Sailed to Mina Saqr.. Previously called at Singapore Bunker, Indonesia, Thailand, Taiwan, South Korea, Portland (USA).	EXIM Sea-web
160	04-06-2013	Kandla	[redacted]	9536313	Rice	4000	E	Kandla	Greece	5,500				GL	Mediterranean					Seacrest Marine						EXIM Sea-web
161	04-06-2013	Kandla	KAN SIAKAP	9403047	Coal	57662		Indonesia	Kandla	58,713				G	East - South Africa / India	Singapore	Singapore	Richards Bay	Richards Bay	OTA Kandla	03-Jun	03-Jun		Kandla(1-13), Kakinada(1-13), Krishnapm(1-12), Vizag(1-11), Haldia(1-12), Mundra(1-12)	Sailed from RB 24/06.. Previously called at Singapore Bunker, China, South Korea, Singapore Bunker, Kakinada, Singapore Bunker, China, Singapore Bunker, Krishnapm, Haldia	EXIM Sea-web
162	04-06-2013	Kandla	ELIZABETH	9593282	Coal	55000		Indonesia	Kandla	55,747				G	Gulf- Red Sea/ India	Singapore	Singapore	Mina Saqr	Mina Saqr	Benline Agency	02-Jun	05-Jun	62	Gangavaram(1-13), Kandla(1-13), Tuticorin(1-12)	Sailed to Gangavaram 24/06, via Fujairah.. Previously called at Singapore Bunker, Indonesia, China, Int, Port Arthur(USA), Chile	EXIM Sea-web
163	04-06-2013	Kakinada	VINACONEX LINES	9251042	Wheat	13500	E	Kakinada	Malaysia	15,503	700	16	14	G	South East Asia	Trincomalee	Trincomalee	Johor(Malaysia)	Johor(Malaysia)	J M. Baxi	06-Jun	09-Jun	78	Kakinada(2-13, 1-12), Kandla(1-13), Cochin(1-13), Vizag(2-12)	Sailed to Vietnam via Malaysia.. Previously called at Trincomalee, Malaysia, Singapore, Vietnam, Singapore, Malaysia, Kandla, Cochin, Yangon	EXIM Sea-web
164	04-06-2013	Kakinada	DO VIGOR	8109034	Wheat	25000	E	Kakinada		42,069	1830	12	29	G	Gulf- Red Sea/ India	Chittangong	Chittangong	Haldia	not known	ACT F					Update Needed	EXIM Sea-web
165	03-06-2013	Mundra	PHOENIX BEAUTY	9455894	Steam Coal	159719		Richards Bay	Mundra	1,70,000		14	52	GL	East - South Africa / India	Singapore	Singapore	Richards Bay	Richards Bay	Taurus Shipping	02-Jun	04-Jun	58	Mundra(2-13), Krishnapm(1-12)	Sailed from RB 24/06 underway Gangavaram. Previously called at Singapore Bunker, Taiwan,Singapore Bunker, Port Louis, RB, Singapore, China, AUS, Krishnapm	EXIM Sea-web
166	03-06-2013	Mundra	[redacted]	9550890	Steam Coal	185104			Mundra	1,81,480	5807	14	52	GL	West Africa/ India					J M. Baxi					Due 04/05 Steam Coal Discharge	EXIM Sea-web
167	03-06-2013	Jamnagar	[redacted]	9439620	Coal	183944			Jamnagar	1,80,091				GL						Admiral					Port Mismatch	EXIM Sea-web
168	03-06-2013	Tuticorin	EMERALD STRAIT	9488592	Steam Coal	55000		Indonesia	Tuticorin	56,830		14	34	G	West Africa/ India	Singapore	Singapore	Singapore	Singapore	IOS	31-May	03-Jun	70	Tuticorin(1-13), Kakinada(1-12), Vizag(1-12), Mormugao(1-11)	Sailed to Ivory Coast after indonesia . Previously called at Singapore Bunker, Indonesia, South Korea, Singapore Bunker, Port Louis, Gabon, Ivory Coast	EXIM Sea-web
169	05-06-2013	Chennai	NIKOLAOS GS	9267170	Wheat	21000	E	Chennai	Indonesia	28,616	1072	13.5	22	G	South East Asia	South Africa	Vizag, via Haldia	Singapore	Singapore	GAC	06-Jun	11-Jun	126	Haldia(1-13, 1-12), Chennai(1-13, 1-09), Vizag(1-13)	Previously called at India, SA, Singapore, China, USA, Japan, Australia	EXIM Sea-web
170	03-06-2013	Ennore	GEM OF ENNORE	9206005	Coal			Paradip	Ennore	75,458	1909	13	29	G	Gulf- Red Sea/ India		Paradip	Paradip		ISS					Date Mismatch.. Regularly shuttles between Paradip and Ennore, occasionally tuticorin	EXIM Sea-web
171	03-06-2013	Ennore	[redacted]	8221416	Coal			Paradip, Haldia	Ennore	39,985	1523	16		G	Gulf- Red Sea/ India		Vizag	Haldia		ISS	03-Jun	04-Jun	7	Due at Vizag for T.Coal Export as at 19/06	Regularly plies between halida, tuticorin, ennore, vizag and haldia	EXIM Sea-web
172	03-06-2013	Kakinada	AVENTICUM	9493963	Coal	55900		Richards Bay	Kakinada	58,087	2150	14	32	G	Gulf- Red Sea/ India	Richards Bay	Richards Bay	Vizag		IOS	01-Jun	03-Jun	47	Haldia(1-13), Vizag(1-13, 1-12, 1-10), Kakinada(1-13), Ennore(1-13)	Previously discharged coal at Kakinada 27/05.. Sailed to Haldia.. Previously called at KB, Ennore, Singapore Bunker, Indonesia, China, Indonesia(c, Singapore, Durban	EXIM Sea-web
173	03-06-2013	Kakinada	TAY DO STAR	9409687	Maize		E	Kakinada		6,485	410	12.5		G	Gulf- Red Sea/ India	Chittangong	Chittangong	Inoknown	not known	ACT Marine				Kakinada(2-13, 2-12), Vizag(1-13, 1-11), Kolkata(1-13, 1-12, 1-11)	Update needed. Previously called at Chittagong, Kakinada, Vizag, Malaysia, Kakinada, Kolkata, Myanmar, Malaysia	EXIM Sea-web
174	03-06-2013	Vizag	OCEAN STAR	9060223	Maize	27500	E	Vizag	Vietnam	28,499	1220	13.5	21	G	South East Asia	Chittangong	Chittangong	Singapore	Singapore	IOS	27-May	08-Jun	252	Vizag(1-13, 1-12), Gangavaram(1-11)	Currently at Vietnam.. Previously called at Chittagong, Singapore, Malaysia, China, Phillipines, China	EXIM Sea-web
175	03-06-2013	Vizag	BYRON	9257084	Maize		E	Vizag	China	51,201		14	32	G	Gulf- Red Sea/ India	Singapore	Ennore	Vizag	China	IOS				Vizag(1-13, 1-09), Ennore(1-13), Krishnapm(2-12), Kandla(1-12), Mundra(1-12)	Update needed.. Previously called at Singapore, Thailand, Indonesia, China, Japan, Singapore Bunker, Indonesia(c, Singapore	EXIM Sea-web
176	03-06-2013	Vizag	[redacted]	9409450	Maize		E	Vizag	Qatar	58,000	2376	14	32	G	Gulf- Red Sea/ India	Singapore	Singapore	Haldia	Doha(Qatar)	IOS	28-May	01-Jun	96	Mumbai(1-13), Vizag(2-13), Haldia(1-13), Kandla(1-13), Okha(1-13), New Mlore(1-13), Tuticorin(1-13)	Sailed to Mumbai via Vizag.. Previously called at Indonesia, Kandla, Okha, Fujairah, Khor Fakkan, Fujairah, Okha, KB, New Mlore,Tuticorin, Fujairah. Discharged Coal Halida 20000 06/06	EXIM Sea-web
177	03-06-2013	Vizag	ARIETTA	9446403	Iron Ore		E	Vizag	Mina Saqr	55,818	2360	14	30	G	Gulf- Red Sea/ India	Chittangong	Chittangong	Mumbai	Mina Saqr	Sree Binni	01-Jun	01-Jun		Mumbai(1-13, 1-11, 1-09), Vizag(1-13), Paradip(1-12, 1-11), Haldia(1-12), Mundra(1-12), Kandla(1-11)	Reported sailed to Gangavaram 24/06.. Sailed to Fujairah via Mina Saqr.. Previously called at Bangladesh, Singapore Bunker, Egypt, France, Vancouver(CAN), South Korea	EXIM Sea-web
178	03-06-2013	Vizag	MP PANAMAX 4	9109495	Steam Coal				Vizag	69,925	2690	13.5	28	G	Gulf- Red Sea/ India	Singapore	Krishnapatnam	Mumbai	Oman	Sea Trans	29-May	04-Jun	150	Mumbai(1-13, 3-12, 1-11, 1-10), Vizag(1-13), Krishnapm(1-13), Haldia(1-13, 2-12, 1-11)	Sailed to Oman via Mumbai.. Previously called at Krishnapm(coal discharge 13/05), Singapore Bunker, Haldia, Salalah, Indonesia, Singapore Bunker, Salalah, Mumbai, Singapore Bunker, Haldia, Paradip	EXIM Sea-web
179	03-06-2013	Vizag	DHANDI PRASAD	8804058	Iron Ore	82300	E	Vizag	Magdallah	1,52,065	3700	13	42	GL	Gulf- Red Sea/ India			Magdalla	Magdalla	Essar	01-Jun	01-Jun		Vizag, Magdalla only	Sailed to Hadira via Vizag 24/06.. Regularly calls at Magdalla and Vizag.. Singapore Bunker 07/12 .. Essar Cargo.. Previously loaded 11500 Iron Ore Vizag 05/05/2013	EXIM Sea-web
180	03-06-2013	Paradip	APJ SURYAVIR	8902151	Thermal Coal		E	Paradip	Ennore	71,037	2046	13	28	G	Gulf- Red Sea/ India			Ennore	Ennore	not known	GPR			Ennore, Paradip run since 2012. Tuticorin(1-11)	At Ennore 01/07.. Regularly calls Paradip, Ennore. Singapore Bunker 08/12	EXIM Sea-web
181	03-06-2013	Paradip	TU SON	9379545	Coking Coal	59700	E	Paradip	Chittagong	6,581		10		GL	South East Asia	Yangon	Kolkata	Haldia	Chittagong	OSL	01-Jun	01-Jun		Haldia(1-13), Paradip(1-13), Kolkata(2-13, 1-09), Vizag(1-13, 1-09)	Sailed to Yangon via Chittagong.. Previously called at Haldia, Yangon, Karaikal, Vizag, Kolkata, Yangon	EXIM Sea-web
182	03-06-2013	Paradip	TORENIA	9331919	Coking Coal				Paradip	56,049	2380	14	30	G	Far East	Fujairah	Fujairah	Singapore	Singapore	BSS	29-May	03-Jun	123	Paradip(1-13), Kandla(1-12), Vizag(1-11), Haldia(1-08), Navlakhi(1-12),	Sailed to China via Singapore Bunker.. Previously called at Fujairah, Mina Saqr, Karachi, Singapore Bunker, Japan, Long Beach(USA), South Korea, Singapore Bunker	EXIM Sea-web
183	03-06-2013	Paradip	[redacted]	9456422	Steam Coal			Indonesia	Paradip	56,777	2146	14	34	G	Australasia	Singapore	Singapore	Haldia	Singapore	HSPL	01-Jun	01-Jun		Haldia(1-13), Paradip(1-13)	Sailed to Australia via Singapore. .Currently at AUS.. Previously called at Singapore Bunker, Indonesia, South Korea, China, Long Beach(USA), Russia, China, San Fran(USA), Mexico	EXIM Sea-web
184	03-06-2013	Paradip	PERTH 1	9583550	Thermal Coal	55000	E	Paradip	Dammam	56,781		14	34	G	Gulf- Red Sea/ India	Fujairah	Fujairah	Kakinada	Fujairah	BSS	28-May	01-Jun	107	Mumbai(1-13), Vizag(2-13), Kakinada(1-13), Paradip(1-13),	Sailed to Mumbai via Vizag 30/06 . Previously called at Fujairah, Jebel Ali, Saudi, Fujairah, Vizag, Krishnapm, Singapore Bunker, Karaikal, Gangavaram, Fujairah	EXIM Sea-web

185	31-05-2013	Jaigarh	SARGAM	9615195	Steam Coal	89260	I	Richards Bay	Jaigarh	99,671	4090	14	42	GL	East - South Africa / India	Richards Bay	Richards Bay	Richards Bay	Richards Bay	J M. Baxi	30-May	01-Jun	44	Jaigarh(1-13, 1-12), Krishnapm(2-13, 2-12)	Sailed RB 16/06 Underway Krishnapm.. Previously called at RB, Krishnapm, RB, Singapore Bunker, RB, Jaigarh, RB, Krishnapm, RB	EXIM Sea-web
186	30-05-2013	Kandla	MAGIC ORIENT	9115092	Wheat	28230	E	Kandla	Dubai	28,399		14	21	G	Gulf- Red Sea/ India	Jebel Ali	Jebel Ali	Oman	Oman	OBC & Sons	28-May	02-Jun	111	Kandla(1-13), Mumbai(1-13), Vizag(1-11)	Sailed to Jebel Ali via Fujairah.. Currently at Dammam.. Previously called at Abu Dhabi, Jebel Ali, Kandla, Mumbai, Chittagong, Singapore, Japan, China, Singapore	EXIM Sea-web
187	30-05-2013	Kandla	[redacted]	9114153	Wheat	41885	E	Kandla	Dubai	43,222		14	27	G	Gulf- Red Sea/ India	Indonesia	Cochin	Salalah (Oman)	Salalah (Oman)	OBC & Sons	28-May	04-Jun	169	Kandla(1-13), Cochin(1-13), Vizag(1-12, 1-11), Paradip(1-12), Vizag(1-11)	Sailed to Fujairah via Jebel Ali.. Previously called at Indonesia, Oman, Bangladesh, Singapore, Indonesia (Coal), Singapore, Indonesia, Vizag	EXIM Sea-web
188	30-05-2013	Kandla	[redacted]	9004229	Wheat	11000	E	Kandla	Greece	12,860			35	G	Mediterranean	Iran	Iran	Suez	Suez	Seacrest Marine	29-May	30-May	20	Kandla(1-13), Mormugao(1-11), Vizag(1-11)	Sailed to croatia via Suez.. Previously called at Iran, Hormuz, Bandar Abbas, Fujairah, Somalia, China, Jeddah, Port Said, Turkey, Ukraine	EXIM Sea-web
189	30-05-2013	Kandla	SILICA II	8605208	Wheat	11400	E	Kandla	Sharjah	19,075	695	15	22	G	Gulf- Red Sea/ India	Hamriyah(UAE)	Hamriyah(UAE)	Hamriyah(UAE)	Hamriyah(UAE)	Apex Marine	01-Jun	04-Jun	72	Kandla(2-13, 1-12), Mundra(1-13, 2-12), Navlakhi(2-12)	Sailed to Bahrain.. Previously called at Hamriyah(UAE), Kandla, Fujairah, Mundra, Hamriyah, Dammam, Jebel Ali	EXIM Sea-web
190	30-05-2013	Kandla	[redacted]	9274587	Coal	21000	I	Indonesia	Kandla	55,389	1744		30	G	Gulf- Red Sea/ India			UAE	UAE	Scorpio Shipping					Port Mismatch.. Called Mumbai	EXIM Sea-web
191	29-05-2013	Magdalla	[redacted]	9441312	Coal	30000	I	Indonesia	Magdallah	57,809		14	32	G	Gulf- Red Sea/ India	Indonesia	Indonesia	Fujairah	Fujairah	OMAPL	27-May	04-Jun	203	Magdallah(2-13), Paradip(2-13), Krishnapm(1-13), Kakinada(1-13)	Sailed to Fujairah, Mina Saqr, Saudi.. Currently at Saudi.. Previously called at Indonesia, Krishnapm, Paradip, Kakinada, Paradip, Chittagong, Singapore Bunker	EXIM Sea-web
192	29-05-2013	Magdalla	RAM PRASAD	8023981	Iron Ore	96839	I	Vizag	Magdallah	1,37,000	3383	14	57	GL	Gulf- Red Sea/ India		Vizag	Vizag		ELL	24-May	29-May	114	Regularly plies between Magdallah and Vizag. Sailing time of 6 to 10 days. Since2011	Sailed to Vizag and Magdallah. Currently at Vizag.. Previously called at Vizag, Magdallah, Gangavaram, Vizag, Magdallah. Active run from Magdallah to Vizag 2010 calls at China, Singapore, Venezuela Singapore Cape town	EXIM Sea-web
193	29-05-2013	Magdalla	JAG ARYA	9491288	Coal	67702	I	Indonesia	Magdallah	80,480		14	35	GL	West Africa/ India	Singapore	Singapore	Rotterdam	Rotterdam	Taurus Shipping	25-May	30-May	110	Magdallah(1-13), Mormugao(2-12), Cochin(1-12), Mundra(1-12)	Currently at Rotterdam.. Previously called at Singapore Bunker, China, Singapore Bunker, USA	EXIM Sea-web
194	29-05-2013	Mundra	SILVER ROAD	9241657	Steam Coal	168131	I	Indonesia	Mundra	1,85,820	4600	14	52	GL	South East Asia	Singapore	Singapore	Sohar(Oman)	Sohar(Oman)	J M. Baxi	31-May	03-Jun	70	Mundra(1-13), Mormugao(1-11)	At Singapore Anchorage.. Previously called at Singapore Bunker, Indonesia(Coal), China, Peru, Japan, Brazil, Singapore Bunker, Japan	EXIM Sea-web
195	29-05-2013	Porbandar	[redacted]	9345817	Coal	25000	I	Indonesia	Porbandar	53,617	2020	14	35	G	Far East	Singapore	Dahej	Bedi Bunder	Chittagong	Velji P & Sons	26-May	30-May	80	Kandla(1-13), Bedi(1-13), Porbandar(1-13), Dahej(1-13), Ennore(1-13), Paradip(1-13, 1-12), Vizag(1-12)	Sailed to Chittagong via Kandla.. Previously called at Dahej, Singapore Bunker, Indonesia, China, Indonesia, China, Indonesia(c	EXIM Sea-web
196	29-05-2013	Kandla	[redacted]	8311431	Rice	15500	E	Kandla	Iran	14,223	1312	14		G	Gulf- Red Sea/ India	Yangon	Yangon	Fujairah	Fujairah	Aashirvad Shipping				Kandla(1-13), Mumbai(1-13), Kandla(1-12), New Mangalore(1-12), Kakinada(1-12)	Still Loading at Kandla.. Previously called at Yangon, Mumbai, Chittagong, Kandla, New Mangalore, Chittagong, Kakinada	EXIM Sea-web
197	24-05-2013	Kandla	[redacted]	9510371	Barley	51500	E	Kandla	Dubai	58,110	2380	14	32	G	Gulf- Red Sea/ India	Singapore	New Mangalore	Jordan	Jordan	Cross Trade Shipping	20-May	24-May	101	Kandla(1-13), NewMlore(1-13), Magdalla(1-13), Mumbai(1-12)	Sailed to Jordan.. Previously called at New Mlore, Singapore Bunker, Indonesia(c, China, Singapore Bunker, Fujairah, Iran, Kuwait	EXIM Sea-web
198	29-05-2013	Kandla	[redacted]	9363625	Coal	55100	I		Kandla	55,418	2020	14	34	G	South East Asia	Singapore	Mumbai	Porbandar	Singapore	OTA Kandla	31-May	31-May		Okha(1-13), Porbander(1-13, 1-12), Kandla(1-12), Dahej(1-13), Magdallah(1-13)	Called at Porbandar and Okha. Sailed to Singapore Bunker.. Previously called at Mumbai, Singapore bunker, China, Singapore Bunker, RB, Durban	EXIM Sea-web
199	29-05-2013	Kandla	[redacted]	9221009	Iron Ore	47820	I	Ukraine	Kandla	1,70,434		14.5	58	GL	Far East					Apex Marine				Mundra(1-13, 1-11)	Port Mismatch	EXIM Sea-web
200	28-05-2013	Jaigarh	EARNEST SKY	9633094	Steam Coal	82500	I	Brisbane(AUS)	Jaigarh	95,735	4000	14	42	GL	East - South Africa / India	Singapore	Singapore	Richards Bay	Richards Bay	Hiralal & CO	28-May	28-May		Jaigarh(1-13)	Currently at RB.. Previously called at Singapore Bunker, China, Brisbane(AUS), Japan, Newcastle(AUS), China, Indonesia, HK	EXIM Sea-web
201	27-05-2013	Dahej	CORVIGLIA	9176747	Coal	71421	I	Longview(USA)	Dahej	73,035	1872	14	30	GL	East Cost - South America	Singapore	Singapore	Brazil	Brazil	Taurus Shipping	25-May	28-May	72	Dahej(1-13), Paradip(1-12), Mundra(1-11), Mormugao(1-10)	Sailed to Brazil.. Previously called at Singapore Bunker, China, Longview USA, Japan, Singapore, Paradip, Singapore Bunker, Peru, Chile	EXIM Sea-web
202	27-05-2013	Tuticorin	[redacted]	9467873	Steam Coal		I	Indonesia	Tuticorin	57,000	2200	14	34	G	East - South Africa / India	Indonesia	Indonesia	Fujairah	Fujairah	SPS	21-May	25-May	112	Mormugao(2-13, 1-12), Tuticorin(1-13), Vizag(1-13), Mundra(1-13, 1-12), Mumbai(1-13, 2-12), Magdalla(1-13, 1-12)	Sailed to Sohar, Fujairah, Jebel Ali, Fujairah, Oman, Tanzania.. Previously called at Indonesia, Vizag, Mundra, Suez, Malta, Netherlands, Antwerp, DS(UK), Ireland	EXIM Sea-web
203	27-05-2013	Tuticorin	BI JIA SHAN	9632272	Steam Coal		I	Indonesia	Tuticorin	56,625		14	34	G	Gulf- Red Sea/ India	Singapore	Singapore	Karaikal	Singapore	SRL	23-May	27-May	100	Tuticorin(1-13), Karaika(1-13, 1-12), Vizag(1-12)	Tuticorin(1-13), Kerakal(1-13, 1-12), Vizag(1-12)	EXIM Sea-web
204	27-05-2013	Tuticorin	[redacted]		Indo Coal		I		Tuticorin											AEL					Data Unavailable	EXIM Sea-web
205	27-05-2013	Tuticorin	GOOD TRADE	9353670	Thermal Coal		I	Paradip, Haldia	Tuticorin	53,732		14	32.5	G	Gulf- Red Sea/ India			Paradip	Haldia	PSL	26-May	29-May	71	Tuticorin, Paradip, Haldia, Tuticorin mostly. Dahej, Magdalia, Mumbai	Sailed to Tuticorin via Haldia, Paradip 21/06. Regularly transits Paradip, Ennore, Haldia, Tuticorin. Previously called FujairahO1/13, Oman, Fujairah, Qatar, UAE, Qatar	EXIM Sea-web
206	27-05-2013	Tuticorin	MARYLISA V	9272785	Steam Coal		I	Indonesia	Tuticorin	52,428		14	30	G	Far East	Singapore	Singapore	Singapore	Singapore	Benlina Agency	26-May	30-May	97	Tuticorin(1-13), Pipavav(1-12), Mormugao(1-11), Chennai(1-10, 1-09)	Sailed to China via Singapore Bunker and Indonesia.. Previously called at Singapore Bunker, Indonesia(c, Singapore, Malaysia, Brazil, Senegal, Bissau, Sierra Leone, Pakistan, Pipavav	EXIM Sea-web
207	27-05-2013	Tuticorin	ACS DIAMOND	9287962	Steam Coal		I	Indonesia	Tuticorin	53,299	2000	14	32.5	G	East - South Africa / India	Singapore	Singapore	Maputo Bay, Mozambique	Maputo Bay, Mozambique	MSA	27-May	31-May	58	Tuticorin(1-13), Mumbai(1-11, 1-09), Vizag(1-09), Mumbai(1-09, 1-07)	Sailed to RB 30/06.. Previously called at Indonesia(c, Singapore, Thailand, DS(UK), Denmark, Lithuania, Latvia, Norway, DS(UK), Canary Islands, Fort Elizabeth(SA)	EXIM Sea-web
208	27-05-2013	Tuticorin	[redacted]	9425942	Thermal Coal		I	Indonesia	Tuticorin	58,096	2389	14	32	G	South East Asia	Singapore	Singapore	Singapore	Singapore	Esskay	27-May	31-May		Kakinada(1-13), Tuticorin(2-13), Mumbai(1-13, 1-12)	Sailed to Singapore via Singapore Bunker, Indonesia(c, Singapore Bunker. Sailed for New Mangalore 25/06.. Previously called at Singapore Bunker, Indonesia(c, Kakinada, Singapore Bunker, Indonesia(c, China, Germany, Panama, Southnew(USA) .. Called 02/07, Coal Discharge	EXIM Sea-web
209	27-05-2013	Kakinada	BINGO	9385520	Rice		E	Kakinada	Malaysia	8,733	665	14	12.5	G	South East Asia	Port Klang, Malaysia	Port Klang, Malaysia	Singapore	Singapore	Lotus	11-May	25-May	324	Kakinada(1-13), Tuticorin(1-13), Mumbai(1-13, 1-12)	Sailed to Malaysia via Indonesia.. Reported Sailed for Mumbai 24/06.. Previously called at Port Klang, Tuticorin, Singapore, Malaysia, China	EXIM Sea-web
210	27-05-2013	Kakinada	THAI LONG	9536569	Maize		E	Kakinada	Malaysia	4,375		11		G	South East Asia	UAE	UAE	Singapore	Singapore	ACT Marine	22-May	27-May	104	Kakinada(1-13), Mumbai(1-12), Kandla(1-12), Vizag(1-12)	Sailed to Singapore via Malaysia.. Previously called at Port Rashid(UAE), Dammam(Saud), Bahrain, Jebel Ali, Qatar, Bahrain, Kuwait, Jebel Ali, Pakistan	EXIM Sea-web
211	27-05-2013	Kakinada	CHRISTO THEO		Coal	55000	I		Kakinada											BSS					Data Unavailable	EXIM Sea-web
212	27-05-2013	Vizag	[redacted]	9308106	Iron Ore		E	Vizag	China	53,260	1729	14	32.5	G	Far East	Singapore	Haldia	Singapore	Singapore	Infinity	21-May	26-May	111	Vizag(1-13), Haldia(1-13), Kandla(1-13), Paradip(1-11)	Sailed to China via Singapore Bunker.. Previously called at Haldia, Kandla, RB, Santos, Singapore, China. Previously discharged RB coal at Haldia(via Kandla) .. Previously loaded Iron Ore 37000 09/05 Vizag	EXIM Sea-web
213	27-05-2013	Vizag	HAI JIN	9617674	Iron Ore		E	Vizag	China	58,000		14	32	G	Far East	Singapore	Haldia	Singapore	Singapore	BSS	25-May	26-May	13	Vizag(2-13), Haldia(1-13)	Sailed to China via Singapore Bunker.. Previously called at Haldia, Vizag, Singapore Bunker, New Zealand, China	EXIM Sea-web
214	27-05-2013	Vizag	[redacted]		Maize		E	Vizag												Lotus						EXIM Sea-web
215	27-05-2013	Vizag	TCI PRABHU	9195238	Rice		E	Vizag	Yangon	3,490	170	12		G	Gulf- Red Sea/ India			Chennai	Chennai	Yangon, Myanmar	GPRSPL	25-May	27-May	45	Vizag, Chennai, Port Blair, Kolkata	Sailed to Vizag via Chennai... Sailed Chennai 28/06. Regular calls Vizag, Chennai, Port Blair, Yangon	EXIM Sea-web
216	27-05-2013	Vizag	[redacted]	9299288	Steam Coal		I	Richards Bay	Vizag	53,565	1927	14	32.5	G	Gulf- Red Sea/ India	Richards Bay	Richards Bay	Haldia		BSS	26-May	30-May	97	Mumbai(1-13, 1-12), Dhamra(1-13), Haldia(1-13, 1-12, 1-11), Kandla(1-12), Paradip(1-12, 1-11)	Sailed to Haldia, Dhamra, Mumbai. Currently at Mumbai. 29/06... Previously called at RB, Tuticorin, Singapore Bunker, Indonesia, Bangladesh, Singapore Bunker, Mundra, Pipavav, Singapore Bunker	EXIM Sea-web
217	27-05-2013	Vizag	HAKUTA	9461221	Iron Ore		E	Vizag	Japan	82,165	3180	14	35.5	GL	Far East	Singapore	Haldia	Singapore	Singapore	J M. Baxi	29-May	30-May	27	Vizag(1-13), Haldia(1-13), Dhamra(1-13)	Sailed to Japan via Singapore Bunker.. Previously called at Haldia(coal discharge), Dhamra, Singapore Bunker, Hay Point(AUS), Japan, Turkey, Long Beach(JAP), Indonesia	EXIM Sea-web
218	27-05-2013	Paradip	AKMI	9232175	Thermal Coal		I	Indonesia	Paradip	53,806		14	32	G	South East Asia	China	Haldia	Krishnapatnam	Indonesia	BSS	24-May	24-May		Krishnapm(1-13), Paradip(1-13, 1-10), Haldia(1-13), Porbander(1-13), Tuticorin(1-13), Navlakhi(2-12)	Sailed to Singapore Bunker via Indonesia, KrishnapmDischarge Coal 52267 28/05) .. Previously called at Haldia, China, Singapore Bunker, Fujairah, Iran, Porbandar, Tuticorin, Singapore Bunker, China	EXIM Sea-web
219	27-05-2013	Paradip	GRAIN HARVESTER	9284808	Coking Coal		I	Gladstone (AUS)	Paradip	76,417		14	35	GL	Gulf- Red Sea/ India	Singapore	Singapore	Tubarao(BRA)	Tubarao(BRA)	GPR	22-May	24-May	54	Paradip(1-13), Dahej(1-12)	Sailed Tubarao(BRA) 29/05.. Previously called at Singapore Bunker, Gladstone(AUS), South Korea, Singapore Bunker, Argentina, Uruguay. Argentina, Uruguay	EXIM Sea-web
220	27-05-2013	Paradip	MAPLE OPAL	9585314	Steam Coal		I	Indonesia	Paradip	57,000	2405	14	34	G	South East Asia	Singapore	Singapore	Haldia	Singapore	DEBLINES	25-May	25-May		Vizag(1-13), Haldia(1-13), Paradip(1-13), Sikka(1-13), Mumbai(1-13), Porbandar(1-12)	Sailed to Singapore Bunker via Vizag.. Previously called at Singapore Bunker, Indonesia, China, Singapore Bunker, Sikka, Mumbai, Singapore, Singapore Bunker	EXIM Sea-web

221	27-05-2013	Paradip	[redacted]		Coking Coal				Paradip											Infinity						EXIM Sea-web
222	27-05-2013	Paradip	[redacted]	9300520	Steam Coal			Indonesia	Paradip	55,912	2190	14	30	G	Australasia	Singapore	Singapore	Haldia	Bunbury(AUS)	PMA	24-May	27-May	72	Haldia(1-13, 1-10), Paradip(1-13, 1-11), Mormugao(1-12), Tuticorin(1-12)	Sailed to Bunbury(AUS) 20/06 via Singapore Bunker. .Previously called at Singapore Bunker, Indonesia, Thailand, Singapore Bunker, Fujairah, Qatar, Jebel Ali, Santos, Abijan	EXIM Sea-web
223	27-05-2013	Paradip	BELLINA COLOSSUS	9552977	Steam Coal				Paradip	60,893	1980	14	31.5	G	East - South Africa / India	Singapore	Singapore	Haldia	Durban	BSS	24-May	27-May	69	Haldia(1-13), Paradip(1-13)	Sailed to Durban02/07.. Previously called at Singapore Bunker, HK, Japan	EXIM Sea-web
224	27-05-2013	Paradip	GRETA	9345829	Steam Coal				Paradip	53,621	2020	14	35	G	Gulf- Red Sea/ India	Singapore	Singapore	Haldia	Singapore	DEBLINES	29-May	31-May	59	Haldia(2-13), Paradip(2-13, 1-12), Chennai(1-13), Mormugao(1-13), Jaigarh(1-13), Kakinada(1-13), Paradip(1-13)	Sailed to Dhamra via Singapore Bunker 22/06.. Previously called at Singapore Bunker, Chennai, Singapore, Vietnam, Singapore Bunker, Malaysia, Mormugao, Jaigarh, Singapore Bunker, Kakinada, Paradip, Singapore Bunker, Indonesia. Called Kolkata 02/06, AUS coal discharge	EXIM Sea-web
225	27-05-2013	Paradip	[redacted]	9460754	Coking Coal	271379		Gladstone (AUS)	Paradip	80,443		14	36	GL	South East Asia	Singapore	Singapore	Haldia	Singapore	S Marine	25-May	28-May	79	Vizag(3-13, 1-12), Haldia(2-13, 1-12), Paradip(1-13, 1-12)	Sailed to Singapore Bunker via Vizag. 27/06.. Previously called at Singapore Bunker, Gladstone(AUS), Japan, Singapore Bunker, Vizag, Haldia, Vizag, Singapore Bunker, Gladstone(AUS), South Korea, China	EXIM Sea-web
226	27-05-2013	Paradip	KOLKOTTSA	9253832	Coking Coal	271820		Hay Point(AUS)	Paradip	76,858	2240	14	34	GL	Far East	Singapore	Singapore	Haldia	Japan	DEBLINES	29-May	01-Jun	79	Haldia(1-13), Padar(p(1-13)	Sailed to Japan via Haldia.. Previously called at Singapore bunker, Hay Point(AUS), China, Gerladton(AUS), China, HK, China, Tacoma(USA), Japan	EXIM Sea-web
227	27-05-2013	Paradip	[redacted]	9557123	Steam Coal	205000		Indonesia	Paradip	58,020		14	32	G	Gulf- Red Sea/ India	Indonesia	Indonesia	Haldia	Singapore	GAC	28-May	29-May	21	Vizag(1-13), Haldia(1-13), Paradip(1-13), Mumbai(1-13), Kandla(1-13), Dahej(1-13), Tuticorin(1-13)	Sailed to Vizag and Haldia 01/07.. Previously called at indonesia, Singapore, Netherlands, Thailand, Vietnam, China, Singapore Bunker, Kandla, Dahej, Tuticorin, Durban(SA)	EXIM Sea-web
228	27-05-2013	Paradip	THEUSIS	9463592	Iron Ore		E	Paradip	China	58,814	2200	14	33	G	Far East	Singapore	Singapore	Singapore	Singapore	BSS	20-May	24-May	95	Paradip(1-13), Kandla(1-13), NewMore(1-13), Mumbai(1-11)	Sailed to South Korea via China.. Previously called at Singapore Bunker, Maputo (Mozambique), Fujairah, Mohd. Bin Qasim, Kandla, New Mlore, Singapore, Taiwan	EXIM Sea-web
229	27-05-2013	Paradip	PORT HAINAN	9456422	Steam Coal	334681		Indonesia	Paradip	56,777	2146	14	34	G	Australasia	Singapore	Singapore	Haldia	Singapore	MSSL	26-May	31-May	116	Haldia(1-13), Paradip(1-13)	Sailed to Freemantle(AUS) via Singapore.. Previously called at Singapore Bunker, Indonesia, South Korea, China, Long Beach(USA), Russia, China, SanFran(USA)	EXIM Sea-web
230	27-05-2013	Magdalla	NORD PYXIS	9448047	Coal	1110399		Richards Bay	Magdallah	1,14,167				GL	Gulf- Red Sea/ India	Richards Bay	Richards Bay	Port Rashid (UAE)	Port Rashid (UAE)	Benline Agency	18-May	18-May		Magdallah(1-13), Krishnapm(1-13)	Sailed to R3 from Fujairah.. Previously called at R3, Krishnapm, New Orleans(USA), DSI(UK), Netherlands	EXIM Sea-web
231	03-06-2013	Ennore	NAVIOS MARCO POLO	9454280	Coal			Richards Bay	Ennore	80,647	2180	14	36	GL	Gulf- Red Sea/ India	Richards Bay	Richards Bay	River plate Lightering	Argentina	Sunbeam	02-Jun	04-Jun	53	Ennore(1-13), Krishnapm(1-13)	Underwey.. Preciously called at R3, Krishnapm, Singapore, Taiwan, Singapore Bunker, Santos, AUS, Singapore Bunker	EXIM Sea-web
232	04-07-2013	Mormugao	BULK INDONESIA	9591571	Coking Coal	84351		Gladstone (AUS)	Mormugao	93,743		14	42	GL	South East Asia	Singapore	Singapore	[redacted]	not known	Hiralal & CO				Krishnapm(1-12), Kandla(1-12), Dahej(1-12), Mumbai(1-12), Mormugao(1-11)	Underwey Mormugao.. Previously called at Gladstone(AUS), China, LongBeach(USA), Taiwan, Plaqumines(USA), Netherlands, DSI(UK), Baltimore(USA)	EXIM Sea-web
233	22-05-2013	Kandla	LIBRA	8122610	Wheat	21500	E	Kandla	Singapore	22,713	1200	13	22	G	South East Asia	Mina Saqr(UAE)	Mina Saqr	Singapore	Singapore	IOS	20-May	24-May	99	Kandla(1-13), Okha(1-09)	Sailed to Singapore, Malaysia . Previously called at Mina Saqr, Singapore, Indonesia, China, Sudan, Fujairah, Port Rashid(UAE), Jeddah(SAUDI), Suez, Turkey	EXIM Sea-web
234	21-05-2013	Kandla	VTC TIGER	9180009	Rice	25000	E	Kandla	Ghana	28,666	1250	14	21	G	West Africa	Myanmar	Myanmar	Durban	Durban	Chowgule S				Kandla(1-13)	Sailed to Durban, currently at Ghana . Previously called at Myanmar, Chittagong, Vietnam, China, HK, Taiwan, China, HK, Vietnam, Malaysia, Argentina, Jamaica	EXIM Sea-web
235	20-05-2013	Kandla	BALTIC COUGAR	9387358	Wheat	48000	E	Kandla	South Korea	53,100	2100	14.5	35	G	Far East	China	Mumbai	Singapore	Singapore	IOS	20-May	29-May	138	Kandla(1-13, 1-11), Mumbai(1-13), Ennore(1-13), Tuticorin(1-13)	Sailed to Singapore Bunker, South Korea.. Previously called at Mumbai, China, Indonesia, Singapore, Ennore, Indonesia, Singapore, Tuticorin, Indonesia(c	EXIM Sea-web
236	20-05-2013	Kandla	[redacted]	8312734	Wheat	27500	E	Kandla	Yemen	30,027		14	28	G		Fujairah	Magdalla	Yemen	Yemen	PMA	16-May	19-May	73	Kandla(3-13), Magdalla(1-13), NewMlore(1-13), Cochin(1-13)	Sailed to Yemen, Egypt.. Previously called at Magdalla, Fujairah, Bandar Abbas, Fujairah, Khor Fakkan, Fujairah, Kandla, New Mlore, Cochin, Myanmar, Chittagong	EXIM Sea-web
237	19-05-2013	Kandla	BEHDAD	9051636	Rice	18000	E	Kandla	Iran	22,967			18	G		Bandar Abbas	Bandar Abbas	Bandar Abbas	Iran	Arnav Shipping	20-May	25-May		Kandla(2-13), Bedi(1-13), Mumbai(1-10)	Update Needed.. Previously called at Bandar Abbas, Imam Khomeini, Bedi, Iran, Fujairah, Iran, Kandla, Bandar Abbas, Iran	EXIM Sea-web
238	30-06-2013	Mormugao	[redacted]	9523263	Coking Coal	736803		Gladstone (AUS)	Mormugao	82,167	2870	14	35	GL	Gulf- Red Sea/ India	Gladstone, AUS	Gladstone, AUS	Richards Bay	Richards Bay	Hiralal & CO	01-Jul	05-Jul	100	Mormugao(2-13, 4-12), Krishnapm(1-13), NewMlore(1-12)	Previously called at Gladstone(AUS), Singapore Bunker, Krishnapm(coal discharge 47435), Newcastle(AUS), Singapore, Mormugao, Gladstone(AUS), Singapore, Mormugao, R3	EXIM Sea-web
239	21-06-2013	Mormugao	NADINE VENTURE	9512563	Coking Coal	815000		Ridley(CAN)	Mormugao	93,000		14		GL	Gulf- Red Sea/ India	Singapore	Singapore	Richards Bay	Richards Bay	Hiralal & CO	28-Jun	01-Jul	80	Mormugao(1-13)	Previously called at Singapore Bunker, Ridley Island(CAN), Japan, Gladstone(AUS), China, Singapore Bunker, Egypt, Turkey, Ukraine, Turkey	EXIM Sea-web
240	17-05-2013	Mundra	ISW SALEM	9537721	Steam Coal	1802430		Indonesia	Mundra	1,76,000	4700	14	52	GL	East Coast South Amercia	Singapore	Singapore	Brazil	Brazil	Taurus Shipping	25-May	29-May	85	Mundra(1-13)	Currently at Brazil.. Previously called at Singapore Bunker, Indonesia(c, China, Newcastle(AUS), Japan, Saldanha(SA), Fujairah. Bahrain, Chile	EXIM Sea-web
241	19-06-2013	Mormugao	MELODIA	9607811	Coking Coal	715112		Abbot Point(AUS)	Mormugao	80,554		14	36	GL	Gulf- Red Sea/ India	Singapore	Singapore	not known	not known	Hiralal & CO	25-Jun	27-Jun	49	Mormugao(1-13)	Sailed from Mormugao 27/06 .Previously called at Singapore Bunker, Abbot point (AUS), South Korea, Japan	EXIM Sea-web
242	16-05-2013	Kandla	TAMIL NADU	9107631	Iron Ore		E	Vizag	China	45,792	2073	13	28	G	Far East	Myanmar	Dahej	Singapore	Singapore		09-May	15-May	141	Kandla(1-13, 1-12), Mumbai(1-13), Dahej(1-13), Vizag(1-12), Mundra(1-12)	Sailed to Singapore Bunker, China. .Previously called at Mumbai, Dahej, Myanmar, Saudi, Suez. Matla, Morocco, France	EXIM Sea-web
243	16-05-2013	Vizag	GALLIA GRAECA	9221607	Steam Coal	715009			Vizag	74,133		14	31	GL	East Coast South Amercia	Singapore	Singapore	Argentina	Argentina	Esskay	19-May	21-May	61	Vizag(1-13)	Sailed to Argentina.. Previously called at Singapore Bunker, China, Singapore Bunker, Suez, Turkey, Ukraine	EXIM Sea-web
244	14-05-2013	Vizag	[redacted]	9569750	Coking Coal	500000		Gladstone (AUS)	Vizag	80,455		14	36	GL	East Coast South Amercia	Singapore	Singapore	Haldia	Brazil	SAIL	16-May	16-May		Haldia(1-13), Vizag(1-13), Ennore(1-12), Krishnapm(1-12)	Sailed to Haldia.(19/05) C Coal discharge, Brazil. Previously called at Singapore Bunker, Gladstone(AUS), China. HK, Singapore Bunker, Venezuela	EXIM Sea-web
245	10-06-2013	Mormugao	ANASTASIA	9625970	Coking Coal	80806		Ridley(CAN)	Mormugao	92,216		14		GL	East - South Africa / India	Singapore	Singapore	Port Louis	Port Louis	Hiralal & CO	15-Jun	15-Jun		Mormugao(1-13)	Sailed to Port Louis(MTIUS).. Previously called at Singapore Bunker, Ridley Island(CAN), South Korea, China, Weipa(AUS), Singapore Bunker, Vietnam, Adelaide(AUS), Santos	EXIM Sea-web
246	08-06-2013	Mormugao	ECOPRIDE G.O.	9594825	Coking Coal	473040		Gladstone (AUS)	Mormugao	81,963	2770	14	39	GL	East - South Africa / India	Mozambique	Karaikal	Durban	Durban	GAC Shipping	12-Jun	12-Jun		Mormugao(1-13), Karaikal(1-13), Paradip(1-13)	Sailed to Durban.. Previously called at Karaikal, Mozambique, Paradip, Singapore, Gladstone(AUS), China,	EXIM Sea-web
247	13-05-2013	Vizag	VISHVA VIJAY	9533505	Coking Coal	293001		Hay Point(AUS)	Vizag	80,655	2430	14	35	GL	Australasia	Singapore	Haldia	Singapore	Singapore	SAIL	13-May	15-May	49		Sailed to Singapore Bunker, Japan, South Korea.. Previously called at Singapore Bunker, Hay Point(AUS), Singapore, Haldia, Vizag, Hay Point(AUS)	EXIM Sea-web
248	22-06-2013	Dahej	SPRING GLORY	9603491	Steam Coal	92521		Richards Bay	Mundra	93,379		14	42	GL	Gulf- Red Sea/ India	Richards Bay	Richards Bay	Mumbai	Richards Bay		22-Jun	29-Jun	177	Mumbai(1-13), Dahej(1-13, 3-12), Mundra(1-13), Mumbai(1-12)	Sailed to Mumbai, Dahej 01/07.. Previously called at R3, Singapore bunker, China, Mundra, Singapore Bunker, China, HK, Singapore	EXIM Sea-web
249	13-05-2013	Vizag	INLACO ACCORD	9173018	Maize	15000	E	Vizag	Vietnam	23,986	1023	14	21	G	South East Asia	Colombo	Colombo	Singapore	Singapore	BSS	18-May	24-May	142	Vizag(1-13, 1-12), Paradip(1-12), Mumbai(1-12), Kakinada(1-12)	Sailed to Singapore, Vietnam.. Previously called at Colombo, Pakistan, Saudi, Fujairah, Vizag, Chittagong, Saudi	EXIM Sea-web
250	11-05-2013	Vizag	YAN TAMBAN	9354064	Maize	11481	E	Vizag	Indonesia	18,951	1010	13		G	South East Asia	Chittangong	Chittangong	Singapore	Singapore	BSS	17-May	19-May	53	Vizag(1-13), Tuticorin(1-12, 1-11), Cochin(1-12). Repeat Calls	Sailed to Singapore, Indonesia.. Previously called at Chittagong, Malaysia, Indonesia, Singapore, China, Japan, South Korea, Russia, Japan	EXIM Sea-web
251	10-05-2013	Vizag	SN PRIMA VEENA	9336373	Iron ore	500000	E	Vizag	China	82,792		14	35	GL	East Coast South Amercia			Singapore	Singapore	Admiral					Update Needed.. Sailed Haldia, Coking Coal 30371 GAC discharge	EXIM Sea-web
252	10-05-2013	Vizag	[redacted]	9325116	Maize	30000	E	Vizag		35,283	1710	14	25	G	South East Asia			Singapore	Singapore	BSS					Port Mismatch	EXIM Sea-web
253	10-05-2013	Vizag	[redacted]	9618355	Iron ore	160000	E	Vizag		56,763		14	34	G	West Africa					BSS					Port Mismatch	EXIM Sea-web
254	10-05-2013	Mundra	ANGEL	9453731	Steam Coal	1804711		Indonesia	Mundra	1,75,935	4750	14	52	GL	East Coast South Amercia	Singapore	Singapore	Brazil	Brazil	J.M. Baxi	15-May	22-May	162	Mundra(1-13)	Sailed to Brazil 27/06.. Previously called at Singapore Bunker, Indonesia(c, China, Egypt, Turkey, Ukraine, Turkey, Ukraine, Italy	EXIM Sea-web
255	10-05-2013	Mundra	EXCEL	9630793	Steam Coal	157024			Mundra	1,76,419	4787	14	52	GL	Gulf- Red Sea/ India	Singapore	Singapore	not known	not known	Taurus Shipping	21-May	25-May	91	Mundra(1-13, 1-12), Mumbai(1-12)	Update Needed.. Previously called at Singapore Bunker, China, Singapore Bunker, Suez, Turkey, Romania, Turkey, Egypt, Brazil, Singapore Bunker, China, Singapore Bunker	EXIM Sea-web
256	04-06-2013	Mormugao	THALASSIA	9258545	Coking Coal	710233		Hay Point(AUS)	Mormugao	76,945	2240	14	33	GL	Gulf- Red Sea/ India	Malaysia, Port Klang	Malaysia, Port Klang			Hiralal & CO	08-Jun	12-Jun	106	Mormugao(1-13)	Previously called at Port Klang, Singapore Bunker, Hay Point(AUS), China, Weipa(AUS), China, Roberts Bank(CAN), South Korea, China	EXIM Sea-web
257	08-05-2013	Vizag	ATRO-1	8906834	Iron ore	250000	E	Vizag	China	42,007	1422	13	23	G	South East Asia	Chittangong	Haldia	Singapore	Singapore	Admiral	22-May	23-May	25	Vizag(1-13, 1-10), Haldia(1-13), Navlakhi(2-12), Kandla(1-12), Tuticorin(1-10)	Sailed to Singapore Bunker, China, Japan. .Previously called at Chittagong, Singapore, China, Singapore Bunker, Indonesia, China, Vietnam	EXIM Sea-web

258	09-05-2013	Vizag	PORT NELSON	9233387	Steam Coal	333000			Vizag	53,553	2149	14	34	G	Far East	Singapore	Singapore	Paradip	Singapore	Seatrans	11-May	16-May	122	Paradip(1-13), Vizag(1-13), Tuticorin(1-13), Kandla(1-12)	Sailed to Paradip, Singapore Bunker, China.. Previously called at Singapore Bunker, Tuticorin, Singapore Bunker, Vietnam, Singapore Bunker, Kandla, Jebel Ali	EXIM Sea-web
259	01-06-2013	Mormugao	[redacted]	9615200	Coking Coal	853900		Kembla(AUS)	Mormugao	95,655	3990	14	42	GL	Australasia	Port Kembla(AUS)	New Mangalore	Singapore	Singapore	Hiralal & CO	05-Jun	08-Jun	68	Mormugao(4-13, 2-12), NewMlore(1-13)	Sailed to Singapore Bunker, Gladstone.. Previously called at NewMlore(Coal discharge), Port Kembla(AUS), Singapore Bunker, Mormugao, Hay Point(AUS), Singapore Bunker, Mormugao, RB, Mormugao, Port Kembla(AUS)	EXIM Sea-web
260	08-05-2013	Vizag	[redacted]	9290854	Iron ore	570000	E	Vizag		56,034	2270	14	30	G	East Coast South Amercia					BSS					Port Mismatch	EXIM Sea-web
261	07-05-2013	Mundra	SEMBRO	9406891	Steam Coal	161255		Indonesia	Mundra	1,74,291	4466	14	56	GL	Gulf- Red Sea/ India	Singapore	Singapore	Richards Bay	Richards Bay	GAC	03-May	07-May	83	Dhamra(1-13), Mundra(1-13)	Sailed to RB, discharged coal at Dhamra 27/06.. Previously called at Singapore Bunker, Indonesia(c, China, Hay Point(AUS), South Korea, Japan, Gladstone(AUS)	EXIM Sea-web
262	07-05-2013	Vizag	STX CLOVER	9621417	Coking Coal	625363		Hay Point(AUS)	Vizag	81,177		14	39	G	Far East	Singapore	Singapore	Singapore	Singapore	BSS	11-May	18-May	173	Vizag(1-13), NewMlore(1-13), Mumbai(1-13), Mundra(1-12)	Sailed to Singapore, China.. Previously called at Singapore Bunker, Hay Point(AUS), China, Singapore Bunker, NewMlore, Mumbai, Singapore Bunker	EXIM Sea-web
263	08-05-2013	Vizag	AS VALDIVIA	9453250	Iron ore	200000	E	Vizag	China	56,779		14	34	G	US West Coast	Singapore	Haldia	Singapore	Singapore	BSS	07-May	10-May	61	Vizag(1-13, 1-12), Haldia(1-13, 1-12), Krishnapm(1-13, 2-12), Paradip(1-12)	Sailed to Singapore Bunker, China, Canada.. Previously called at Haldia, Krishnapm, Singapore, Indonesia, Singapore, Kakinada, Singapore, Indonesia, Singapore Bunker, Malaysia, Brazil	EXIM Sea-web
264	06-05-2013	Vizag	BRILLIANT JOURNEY	9614095	Iron ore	400000	E	Vizag	China	61,417	2560	24	30	G	Australasia	Singapore	Haldia	Singapore	Singapore	BSS	10-May	13-May	73	Vizag(1-13), Haldia(1-13), Dhamra(1-13), Okha(1-12)	Sailed to Australia via Singapore Bunker, China... Previously called at Haldia, Dhamra, Singapore Bunker, Hay Point(AUS), China, Singapore Bunker, Port Kembla(AUS), Japan	EXIM Sea-web
265	08-05-2013	Vizag	LARK	9384904	Iron ore	390000	E	Vizag	Bandar Abbas	53,633	2020	14	35	G	Far East	Indonesia	Haldia	Bandar Abbas	Bandar Abbas	Sree Binni	05-Jul	06-Jul	15	Mumbai(1-13), Vizag(1-13), Haldia(1-13), Paradip(1-13, 1-09), Tuticorin(1-09)	Sailed to Bandar Abbas, Fujairah, Singapore Bunker, China.. Previously called at Haldia, Paradip, Indonesia(c, Suez, Port Said, Turkey, Rusia, Ukraine, Turkey, Egypt, Singapore Bunker	EXIM Sea-web
266	08-05-2013	Mundra	NSS BONANZA	9146728	Steam Coal	151405		Indonesia	Mundra	1,70,907	4317	14.5	50	GL	East Coast South Amercia	Singapore	Singapore	Brazil	Brazil	Taurus Shipping	29-Apr	07-May	171	Mundra(1-13)	Sailed to Brazil.. Previously called at Singapore Bunker, Taiwan, Japan, Canada, Anacortes(USA), Japan	EXIM Sea-web
267	06-05-2013	Mundra	[redacted]	9271638	Steam Coal	164134		Indonesia	Mundra	1,76,269	4760	14	55	GL	East Coast South Amercia	Singapore	Singapore	Brazil	Brazil	Taurus Shipping	30-Apr	01-May		Mundra(1-13)	Sailed to Brazil, Singapore 27/06 Previously called at Singapore Bunker, China, Japan, China, Japan, Netherlands, DS(UK), Canary Islands, Hay Point(AUS)	EXIM Sea-web
268	06-05-2013	Mundra	SIDERIS GS	9406881	Steam Coal	157414		Indonesia	Mundra	1,74,187	4466	14	56	GL	Far East	Singapore	Singapore	Richards Bay	Richards Bay	Taurus Shipping	07-May	10-May	74	Mundra(1-13)	Sailed to RB, Singapore Bunker. Currently at Taiwan.. Previously called at Singapore Bunker, Indonesia(c, China, Port Hetland(AUS), China, Port Hedland(AUS)	EXIM Sea-web
269	07-06-2013	Krishnapatnam	WADI ALKARNAK	9127136	Coking Coal	674500		Indonesia	Krishnapatnam	64,214		13	31	GL	South East Asia	Singapore	Singapore	Singapore	Singapore	Benline Agency	07-Jun	07-Jun		Krishnapm(1-13, 1-11), Vizag(1-11)	Sailed to Singapore, Indonesia(c.. Previously called at Singapore Bunker, Indonesia(c, China, Gerlandtaon(AUS), South Korea, Abbot Point(AUS)	EXIM Sea-web
270	05-06-2013	Krishnapatnam	AS VARESIA	9453262	Steam Coal	534813		Indonesia	Krishnapatnam	56,738		14	34	G	South East Asia	Singapore	Singapore	Singapore	Singapore	Seaport Services	01-Jun	05-Jun		Krishnapm(1-13), Paradip(2-12), Haldia(1-12)	Previously called at Singapore, Indonesia, Malaysia, Singapore, Malaysia, Brazil, Nigeria, Singapore, Malaysia	EXIM Sea-web
271	05-06-2013	Krishnapatnam	FILIA JOY	9558153	Steam Coal	521100		Indonesia	Krishnapatnam	53,473	2077	13		G	South East Asia	Singapore	Singapore	Singapore	Singapore	BSS	01-Jun	01-Jun	24	Krishnapm(1-13), Vizag(1-12), Mormugao(1-10)	Previously called at Singapore, Indonesia, South Korea, Singapore, India, Indonesia, China, Taiwan, Singapore, Brazil	EXIM Sea-web
272	05-06-2013	Krishnapatnam	RICH CHINA	9439644	Steam Coal	165000		Richards Bay	Krishnapatnam	1,80,082		14	52	GL	East - South Africa / India	Richards Bay	Richards Bay	Richards Bay	Richards Bay	Benline Agency	29-May	29-May	24	Krishnapm(2-13)	Previously called at RB, Krishnapm, RB, Austalia, Singapore, China, Egypt, Turkey, Ukraine, Turkey, ESP	EXIM Sea-web
273	05-06-2013	Krishnapatnam	PISKARDO	9442378	Coking Coal	348846			Krishnapatnam	83,448	3170	14	37.5	GL	Gulf- Red Sea/ India	Mauritius	Mauritius	Paradip		Seaways	31-May	07-Jun	157	Paradip(1-13), Krishnapm(1-13)	Previously called at Mauritius, UK, Netherlands, Canary Islands, Saudi, Canary, Brazil, Singapore, Indo, China	EXIM Sea-web
274	05-06-2013	Krishnapatnam	CAPTAIN WAEL	8503682	Wheat	210000	E	Krishnapatnam	Colombo	21,654	1060	13		G	Gulf- Red Sea/ India	Iran	Haldia	Colombo	Colombo	Sri Srinivasa				Haldia(1-13), Vizag(1-13), Kandla(1-12, 1-11, 1-10)	Underway.. Previously called at Haldia, Vizag, Iran, Saudi, Egypt, Syria, Egypt, Fujairah, UAE, Iran	EXIM Sea-web
275	05-06-2013	Krishnapatnam	PERISTIL	9519626	Coal	503503			Krishnapatnam	52,113		13.5	31	G	South East Asia	Singapore	Singapore	Durban	Durban	Seatrans				Krishnapm(1-13), Navlakhi(1-12)	Previously called at Singapore, China, Panama, USA, Mexico, Panama, Mexico, South Korea	EXIM Sea-web
276	06-05-2013	Mundra	[redacted]	9592446	Steam Coal	164794		Indonesia	Mundra	1,79,628		14.5	67	GL	Far East	Indonesia	Indonesia	Singapore	Singapore	Taurus Shipping	10-May	14-May	93	Bedi(1-13), Mundra Multiple calls	Sailed to China via Singapore Bunker.. Previously called at Indonesia(c, China, Singapore Bunker, RB, Mundra, RB, Mundra, RB, Mundra, China, Singapore Bunker.. Vessel on RB run. Currently Indo	EXIM Sea-web
277	08-05-2013	Mundra	[redacted]		Steam Coal	162756			Mundra											GAC						EXIM Sea-web
278	08-05-2013	Mundra	TRUST AGILITY	9460655	Steam Coal	164017		Indonesia	Mundra	1,80,585	4540	14	69	GL	East Coast South Amercia	Singapore	Singapore	Brazil	Brazil	Taurus Shipping	09-May	15-May	139	Mundra(1-13)	Sailed to Brazil. Singapore 27/06 Previously called at Singapore bunker, Indonesia(c, China, Singapore Bunker, T&T, Spain, DS(UK), Netherlands	EXIM Sea-web
279	08-05-2013	Mundra	[redacted]	9563685	Steam Coal	164993		Indonesia	Mundra	1,81,403	5820	14	62	GL	East Coast South Amercia	Singapore	Singapore	Brazil	Brazil	Taurus Shipping	21-May	25-May	113	Mundra(1-13)	Sailed to Brazil. Singapore 01/07.. Previously called at Singapore Bunker, Indonesia(c, Japan, Port Walcott(AUS), Japan, Port Hedland(AUS), Japan	EXIM Sea-web
280	06-05-2013	Mundra	FRONTIER ROSE	9487988	Steam Coal	164741		Indonesia	Mundra	1,79,266	5860	14	69	GL	South East Asia	Singapore	Singapore	Saldanha(SA)	Saldanha(SA)	J.M. Baxi	11-May	16-May	85	Mundra(2-13, 1-12)	Sailed to Saldanha(SA), Singapore Bunker.. Previously called at Singapore Bunker, Indonesia(c, China, Singapore Bunker, Brazil, Mundra, Singapore Bunker, Saldanha(SA)	EXIM Sea-web
281	08-05-2013	Mundra	JUBILANT GLORY	9490258	Coking Coal	110302			Mundra	1,19,406	2840	14	50	GL	East Coast South Amercia	Singapore	Singapore	Brazil	Brazil	Magnum Shipping	11-May	11-May		Mundra(1-13)	Sailed to Ric(BRA).. Previously called at Singapore Bunker, Canada, Japan, South Korea, China, Port Hedland(AUS)	EXIM Sea-web
282	06-05-2013	Mundra	STELLA CHARLENE	9522661	Steam Coal	162412		Hay Point(AUS)	Mundra	1,76,357	4780	14	52	GL	South East Asia	Singapore	Singapore	Richards Bay	Richards Bay	Taurus Shipping	14-May	20-May	149	Mundra(1-13)	Sailed to RB, Singapore Bunker. Pervously called at Singapore Bunker, Hapy Point(AUS), China, Singapore, Indonesia, RB, China, Singapore Bunker, RB	EXIM Sea-web
283	05-06-2013	Krishnapatnam	CAPE MERCURY	9150755	Coal	165000		Richards Bay	Krishnapatnam	1,65,819	4053	14	52	GL	Gulf- Red Sea/ India	Richards Bay	Richards Bay			Samsara	06-Jun	12-Jun	137	Krishnapm(1-13)	underway.. Previously called at RB, Sinagpore Bunker, Taiwan, Singapore Bunker, Brazil, Singapore Bunker, South korea, Australia	EXIM Sea-web
284	02-06-2013	Vizag	KIRRIBILLI	9461178	Coking Coal	235853		Baltimore(USA)	Vizag	82,206	3180	14	35.5	GL	Gulf- Red Sea/ India	Baltimore	Baltimore	Haldia	Brazil	IOS	29-May	01-Jun	60	Haldia(1-13), Vizag(1-13)	Sailed to Haldia, Santos.. Previously called at Baltimore(USA), Malta, Egypt, Saudi, Egypt, Malta, Argentina	EXIM Sea-web
285	02-06-2013	Vizag	DORIC PRIDE	9230751	Coal	229459		Hay Point(AUS)	Vizag	52,428	2143	14	30	G	Australasia	Singapore	Singapore	Haldia	Singapore	Sical	01-Jun	01-Jun		Haldia(1-13, 1-12), Vizag(1-13, 1-12), Tuticorin(1-11)	Sailed to Singapore, Hay Point(AUS).. Previously called at Singapore., Hay Point(AUS), China, Singapore, DS(UK), Antwerp, Spain	EXIM Sea-web
286	03-06-2013	Haldia	WADI TIBA	9460748	Coking Coal			Hay Point(AUS)	Haldia	80,469		14	36	GL	East Coast South Amercia	Singapore	Vizag	Brazil	Brazil	Everett	31-May	03-Jun	77	Haldia(1-13), Vizag(1-13), Mormugao(1-17), Kandla(2-12), Navlakhi(1-12)	Sailed to Brazil.. Previously called at Vizag, Singapore Bunker, Hay Point(AUS), China, Ireland, Kalama(USA), Astoria(USA), South Korea, Brazil	EXIM Sea-web
287	24-05-2013	Mormugao	[redacted]	9478834	Coking Coal	84546		Gladstone (AUS)	Mormugao	1,10,909	3700	15	46	GL	Far East	Singapore	Singapore	Port Hedland, AUS	Port Hedland, AUS	Hiralal & CO	28-May	28-May		Mormugao(2-13, 4-12), NewMLore(1-12)	Sailed to Port Hedland(AUS), China.. Previously called at Singapore Bunker, Gladstone(AUS), China, Oman, Mormugao, Singapore Bunker, Gladstone(AUS), China	EXIM Sea-web
288	19-05-2013	Mormugao	[redacted]		Coking Coal	687000			Mormugao											Benline Agency					Data Unavailable	EXIM Sea-web
289	04-05-2013	Mundra	[redacted]	9620144	Wheat	54852	E	Mundra	South Korea	57,200	2100	14	31	G	Far East	Indonesia	Mumbai	Mumbai	Singapore	Shantilal Shipping	27-Apr	30-Apr	72	Mumbai(2-13), Mundra(1-13), Vizag(2-13), Ennore(1-13), Haldia(1-13),	Sailed to Mumbai, Singapore Bunker, South Korea. Currently at South Korea.. Previously called at Mumbai, Vizag, Ennore, Haldia, Vizag, Indonesia, Singapore, Thailand, Canada	EXIM Sea-web
290	19-05-2013	Mormugao	ROSE BALSAM	9478937	Coking Coal	525979		Gladstone (AUS)	Mormugao	55,616		14	30	G	South East Asia	Singapore	Singapore	Maputo Bay, Mozambique	Maputo Bay, Mozambique	Hiralal & CO	20-May	27-May	156	Mormugao(1-13), Kandla(1-13), Krishnapm(1-13), Haldia(1-12), Vizag(1-12, 1-11)	Sailed to Mozambique, Singapore Bunker.. Previously called at Singapore Bunker, Gladstone(AUS), BarneyPoint(AUS), China, Singapore Bunker, Kandla, Singapore Bunker, Krishnapm	EXIM Sea-web
291	03-05-2013	Vizag	AS VICTORIA	9442641	Iron ore	110000	E	Vizag	China	56,785		14	34	G	Far East	Singapore	Haldia	Singapore	Singapore	BSS	04-May	05-May	35	Vizag(1-13), Haldia(1-13), Kakinada(1-13), New Mlore(1-10), Mormugao(1-09)	Sailed to Singapore Bunker, China, South Korea, China, Singapore Bunker, Currently at Chittagong.. Previously called at Haldia, Kakinada, Singapore Bunker, Indonesia, Philipines, Taiwan, China, Panama	EXIM Sea-web
292	03-05-2013	Vizag	MILETUS	9423554	Steam Coal	213683		Vizag	Vizag	58,729	1580	14	32	G	South East Asia	Singapore	Singapore	Haldia	Singapore	BSS	03-May	08-May	125	Gangavaram(1-13), Ennore(1-13), Paradip(1-13), Haldia(1-13), Vizag(1-13), Tuticorin(1-12)	Sailed to Haldia(Coal Discharge 12/05), Paradip, Ennore, Gangavaram, Singapore Bunker.. Previously called at Singapore, China, Singapore, Magdalla, Port Kemble(AUS), South Korea, China	EXIM Sea-web
293	03-05-2013	Vizag	STX HORIZON	9625465	Coking Coal	482300		Kembla(AUS)	Vizag	82,748	2160	14	34	GL	East Coast South Amercia	Singapore	Singapore	Haldia	Argentina	SAIL	03-May	06-May	71	Haldia(1-13), Vizag(1-13)	Sailed to Haldia(C.Coal 27840 22/05), Argentina. Currently Argentina.. Previously called at Singapore Bunker, Fort Kemble(AUS), South Korea, Newcastle(AUS), South Korea	EXIM Sea-web
294	03-05-2013	Vizag	MERCY WISDOM	9268564	Maize	120000	E	Vizag	Malaysia	12,764	790	13	16	G	Far East	Trincomalee	Trincomalee	Malaysia	Malaysia	Lotus	17-May	21-May	98	Vizag(1-13), Kandla(2-12), Kakinada(1-17), NewMlore(1-17), Mundra(2-11)	Sailed to Malaysia, Singapore, Vietnam, HK, China, HK, China.. Previously called at Trincomalee, Pakistan, Colmbo, Pakistan, Colombo, Pakistan, China, Sohar(OMAN), Singapore, China, Thailand	EXIM Sea-web

295	17-05-2013	Mormugao	YUTAI AMBITIONS	9326160	Coking Coal	73801		Hay Point(AUS)	Mormugao	77,283	2125	14	35	GL	East Coast South Amercia	Singapore	Singapore	Argentina	Argentina	Hiralal & CO	21-May	21-May		Mormugao(1-13, 1-11), Mundra(1-09)	Sailed to Argentina, Uruguay.. Previously called at Singapore Bunker, Hay Point(AUS), China, Gwladstron(AUS), Singapore, China, HK, Tacoma(USA)	EXIM Sea-web
296	14-05-2013	Mormugao	AEOLIAN HERITAGE	9483542	Coking Coal	69000			Mormugao	80,650		14	36	GL	East Coast South Amercia	Plaquemines(USA)	Plaquemines(USA)	Brazil	Brazil	Hiralal & CO	19-May	21-May	60	Mormugao(1-13), Mundra(1-12), Haldia(1-11), Gangavaram(1-11)	Sailed to Brazil.. Previously called at Paqemines(USA), Morocco, Italy, Suez, Singapore Bunker, China, Singapore Bunker, Tubarao(BRA)	EXIM Sea-web
297	14-05-2013	Mormugao	[redacted]	7403237	Pig Iron	45062	E	Mormugao	Dammam	65,287	2319	14.5	59	GL	Gulf- Red Sea/ India	Singapore	Singapore	Dammam	Dammam	Sesa	17-May	25-May	182	Mormugao(1-13, 1-12, 2-11)	Sailed to Dammam, Fujairah, returned Mormugao.. Previously called at Singapore, China, Mormugao, China, Mormugao, China. Fruvent Mormugao, China Runs	EXIM Sea-web
298	10-05-2013	Mormugao	[redacted]	9520924	Coking Coal	33674			Mormugao	58,110	2388	14	32	G	East - South Africa / India					Hiralal & CO					Port Mismatch	EXIM Sea-web
299	01-05-2013	Vizag	[redacted]	9354739	Iron ore	300000	E	Vizag		80,199	1500	13.5	26	G	Far East					BSS					Port Mismatch	EXIM Sea-web
300	09-05-2013	Mormugao	[redacted]	9461104	Coking Coal	77617		Abbot Point(AUS)	Mormugao	82,166	3184	14	35.5	GL	South East Asia	Abbot Point(AUS)	Abbot Point(AUS)	Richards Bay	Richards Bay	Hiralal & CO	13-May	15-May	43	Mormugao(2-13, 2-12), Krishnapm(1-13), New Mlore(1-12), Ennore(1-12)	Sailed to RB, Singapore Bunker.. Previously called at Abbot Point(AUS), Singapore Bunker, Krishnapm, RB, Mormugao, Singapore, Gladstone(AUS), Hay Point(AUS)	EXIM Sea-web
301	05-05-2013	Mormugao	FORTUNE ISLAND	9338807	Coking Coal	56903		Kembla(AUS)	Mormugao	81,900	2655	14	36	GL	East Coast South Amercia	Port Kembla(AUS)	Port Kembla(AUS)	Cochin	Argentina	Hiralal & CO	07-May	08-May	24	Mormugao(1-13), Cochin(1-13), Karaikal(1-13), Vizag(1-11)	Sailed to Cochin, Karaikal, Argentina, Uruguay, Brazil.. Previously called at Port Kembla(AUS), Japan, Indonesia(c, China, Indonesia, China, Singapore Bunker	EXIM Sea-web
302	05-05-2013	Mormugao	PIET	9568574	Coking Coal	83622		Richards Bay	Mormugao	93,200		14	42.5	GL	East Coast South Amercia	Richards Bay	Richards Bay	Argentina	Argentina	Hiralal & CO	08-May	13-May	106	Mormugao(1-13), Bedi(1-13), Jaigarh(1-13), Krishnapm(1-12)	Sailed to Argentina, Uruguay, Argentina, Uruguay.. Previously called at RB, Bedi, Jaigarh, Singapore Bunker, Port Kembla(AUS), South Korea, China	EXIM Sea-web
303	04-05-2013	Mormugao	BLUE MOINT BLANC	9156588	Coking Coal	35000		Weipa(AUS)	Mormugao	74,043	2218	13.5	31	GL	Australasia	Russia	Karaikal	Richards Bay	Richards Bay	Merchant Shipping	03-May	05-May	33	Mormugao(1-13), Karaikal(1-13)	Sailed to RB, Singapore, Malaysia, Singapore Bunker, Weipa(AUS).. Previously called at Karaikal, Russia, Japan, Indonesia, China, South Korea	EXIM Sea-web
304	03-05-2013	Mormugao	[redacted]	9289025	Steam Coal	39855			Mormugao	53,565	1927	14	32.5	G	Gulf- Red Sea/ India				Djibouti	Djibouti	GAC					Update Needed.. Previously loaded Wheat IOS, Sailed 03/05	EXIM Sea-web
305	03-05-2013	Mormugao	[redacted]	9610286	Coking Coal	53353			Mormugao	81,541		14.5		GL	East Coast South Amercia	Mozambique	Mozambique	Argentina	Argentina	Hiralal & CO	02-May	03-May	27	Mormugao(2-13)	Sailed to Argentina, Uruguay, Argentina. Sailed Singapore 23/06.. Previously called at Mozambique, Mormugao, Italy, Colombia, Malta, Port Said, Singapore Bunker, Port Kembla(AUS)	EXIM Sea-web
306	02-05-2013	Mormugao	PACIFIC PRIDE	9605736	Coking Coal	42250		Kembla(AUS)	Mormugao	59,944	2130	14.5		G	East Coast South Amercia	Port Kembla(AUS)	Port Kembla(AUS)	Fujairah	Fujairah	Hiralal & CO	03-May	08-May	120	Mormugao(1-13), Magtalle(1-12)	Sailed to Fujairah, Bahrain, Fujairah, Santos.. Previously called at Port Kembla(AUS), Newcastle(AUS), Mexico, Longbeach(USA), South Korea	EXIM Sea-web
307	04-06-2013	Haldia	BALI	9597020	Coking Coal	29121		Hay Point(AUS)	Haldia	81,353		14.5	38	GL	East - South Africa / India	Hay Point(AUS)	Vizag	Durban	Durban	Infinity	08-Jun	10-Jun	59		Sailed to Durban. Previously called at Vizag, HayPoint(AUS), South Korea, Brazil, Fujairah, Dammam, Fujairah, Singapore Bunker, Vancouver(CAN)	EXIM Sea-web
308	13-06-2013	Haldia	HAWK I	9224661	Coking Coal				Haldia	50,296	1750	14	31	G	East - South Africa / India	Singapore	Vizag	Port Louis	Port Louis	IOS	15-Jun	15-Jun			Sailed to Durban via Port Louis.. Previously called at Vizag, Singapore Bunker, New Zealand, Japan, South Korea, China, Freemantle(AUS), Singapore, Thailand, Indonesia(c	EXIM Sea-web
309	09-06-2013	Haldia	OCEAN WIND	9302786	Coking Coal			Gladstone (AUS)	Haldia	76,619	2970	14	35	GL	Far East	Singapore	Dhamra	Vizag	Singapore	Tmill	09-Jun	15-Jun	147	Vizag(1-13), Haldia(1-13), Dhamra(1-13)	Sailed to Singapore Bunker, Japan.. Previously called at Dhamra, Singapore Bunker, Gladstone(AUS), Japan, Newcastle(AUS), Japan, Newcastle(AUS), Japan	EXIM Sea-web
310	19-06-2013	Haldia	LEO	9594638	Coking Coal	25407		Gladstone (AUS)	Haldia	57,000		14	34	G	Gulf- Red Sea/ India	Singapore	Paradip	Vizag	not known	IOS	25-Jun	02-Jul	159	Haldia(1-13), Paradip(1-13)	Currently at Haldia.. Previously called at Paradip, Singapore Bunker, Gladstone(AUS), China	EXIM Sea-web
311	19-06-2013	Haldia	[redacted]		Coking Coal				Haldia											DEBLINES						EXIM Sea-web
312	19-06-2013	Haldia	CHESHIRE	9593646	Coking Coal			Hay Point(AUS)	Haldia	56,598		14	34	G	Gulf- Red Sea/ India	Singapore	Paradip	Port Elizabeth(SA)	South Africa	Tmill	17-Jun	18-Jun		Haldia(1-13), Paradip(1-13), Krishnapm(1-13), Gangavaram(1-12), Kandla(1-12)	Currently at Haldia.. Previously called at Paradip, Singapore Bunker, HayPoint(AUS), Port Elizabeth(SA), Krishnapm, Singapore Bunker, South Korea, Weipa(AUS), China	EXIM Sea-web
313	22-06-2013	Haldia	KANG SHUN	9285079	Coal	23050		Indonesia	Haldia	55,566		14	30	G	Gulf- Red Sea/ India	Singapore	Paradip	Vizag	not known	Peninsular Marini	23-Jun	25-Jun	65	Haldia(1-13), Paradip(1-13), Tuticorin(1-13, 1-10), Mormugao(1-10)	Currently at Haldia.. Previously called at Paradip, Tuticorin, Singapore Bunker, Indonesia, China, New Zealand, Panama, Morocco, Spain	EXIM Sea-web
314	23-06-2013	Haldia	HEILAN BRIGHT	9587958	Coal	21860		Indonesia	Haldia	58,882		14	34	G	Gulf- Red Sea/ India	Singapore	Paradip	not known	not known	DEBLINES	24-Jun	24-Jun		Haldia(1-13), Paradip(1-13), Kandla(1-13), Mumbai(1-11)	Currently at Haldia.. Previously called at Paradip, Indonesia, China, South Korea, China, Kandla, Fujairah, Bahrain, Jebel Ali, Suez, Malta, DS(UK), Netherlands	EXIM Sea-web
315	25-06-2013	Haldia	SPAR HYDRA	9490606	Coal	28005		Indonesia	Haldia	58,000		14	32	G	Gulf- Red Sea/ India	Singapore	Paradip	Haldia	not known	M. Shipping	30-Jun	04-Jul	79	Haldia(1-13), Paradip(1-13), Tuticorin(1-12), Krishnapm(1-12), Ennore(1-12)	Currently at Haldia.. Previously called at Paradip, Singapore Bunker, Indonesia, China, Singapore, Malaysia, Singapore	EXIM Sea-web
316	22-06-2013	Haldia	IBS BULKER	9441324	Rice		E	Haldia	Chittagong	57,775		14	32	G	Gulf- Red Sea/ India	Chittangong	Chittangong	Kolkata		Canopus	19-Jun	19-Jun		Kolkata(1-13), Haldia(1-13, 1-12), Vizag(1-12), Kakinada(1-12)	Currently at Kolkata.. Previously called at Chittagong, Vancouver(CAN), Singapore Bunker, Hedland(AUS), China	EXIM Sea-web
317	24-06-2013	Haldia	GLOBAL HOPE	9445629	Coal			Indonesia	Haldia	57,295		14	31	G	Gulf- Red Sea/ India	Singapore	Paradip	Singapore	Singapore	Alfalal	29-Jun	06-Jul	160	Haldia(1-13), Pardip(1-13), Kakinada(1-12), Vizag(1-12), Kandla(1-12)	Currently at Haldia.. Previously called at Paradip, Singapore Bunker, Indonesia, China, Singapore Bunker, Port Louis, Durban(SA)	EXIM Sea-web
318	24-06-2013	Haldia	ARUNA ECE	9635406	Coal			Indonesia	Haldia	55,506		14	32	G	Far East	Singapore	Paradip	Vizag	South Korea	M. Shipping	25-Jun	30-Jun	136	Vizag(1-13), Haldia(1-13), Paradip(1-13), Kandla(1-13)	Currently at South Korea.. Previously called at Paradip, Singapore Bunker, Indonesia, China, Singapore Bunker, Kandla, Singapore Bunker, Indonesia(c, China, Long Beach(USA)	EXIM Sea-web
319	27-06-2013	Haldia	WADI ALYARMOUK	9460772	Coking Coal	29226		Hay Point(AUS)	Haldia	80,384		14	34	GL	Gulf- Red Sea/ India	Singapore	Paradip	Vizag	not known	Everett	30-Jun	02-Jul	46	Haldia(1-13, 2-12), Paradip(1-13), Vizag(1-12), Dhamra(1-12)	Currently at Vizag.. Previously called at Paradip (C.Coal discharge 24/06), Singapore Bunker, Hay Point(AUS). China, Brazil, Singapore Bunker, China, HK, Vietnam	EXIM Sea-web
320	25-06-2013	Haldia	XIN HUA	9592068	Coking Coal			Kembla(AUS)	Haldia	82,289	2529	14	35	GL	Gulf- Red Sea/ India	Singapore	Vizag	Vizag	not known	GAC	23-Jun	27-Jun		Haldia(1-13), Vizag(1-13), Revdanda(1-13)	Sailed to Vizag 28/06.. Previously called at Vizag, Singapore Bunker, Port Kembla(AUS), China, Singapore Bunker, Revdanda(IND), Plaquemines(USA), New Orleans(USA), Malta, Suez	EXIM Sea-web
321	27-06-2013	Haldia	FAIR LADY	9342877	Coking Coal			Baltimore(USA)	Haldia	76,605	2917	14	35	GL	Gulf- Red Sea/ India	Baltimore	Vizag	Colombo	Colombo	J.M. Baxi	27-Jun	30-Jun	79	Haldia(1-13, 1-11), Vizag(1-13, 1-11), Mormugao(1-11),	Sailed to Colombo 01/07.. Previously called at Vizag, Baltimore(USA), Bremen, Netherlands, DS(UK), Plaqumines(USA), Japan, Lpool(UK), Plaqumines(USA), Suez, Turkey, Ukraine	EXIM Sea-web
322	01-07-2013	Haldia	INTUITION	9471279	Coal	26250		Indonesia	Haldia	80,686		14	36	GL	Gulf- Red Sea/ India	Singapore	Paradip	Haldia	not known	Tmill				Paradip(1-13), Haldia(1-13)	Cuurently at Haldia.. Previously called at Paradip (S.Coal discharge 24/06), Singapore Bunker, Indonesia, South Korea, Singapore Bunker,Argentina, Uruguay, Argentina, Brazil, Singapore Bunker	EXIM Sea-web
323	02-07-2013	Haldia	ATHINA CARRAS	9592719	Coking Coal	26377		Gladstone (AUS)	Haldia	82,057		13.5	35	GL	Gulf- Red Sea/ India	Singapore	Vizag	Haldia	not known	IOS	05-Jul	05-Jul	62	Haldia(1-13, 1-12), Vizag(1-13), Paradip(1-12)	Currently at Haldia.. Previously called at Vizag, Singapore Bunker, Gladstone(AUS), HK, China, HK, Signapore Bunker, Brazil, Singapore Bunker, Brazil, Argentina, Haldia, Paradip, Gangavaram	EXIM Sea-web
324	28-06-2013	Haldia	SPAR LYRA	9289013	Coal				Haldia	53,565	2000	14	32.5	G	Gulf- Red Sea/ India	Singapore	Singapore	Mumbai	not known	Seatrans	29-Jun	08-Jul	220	Haldia(1-13), Chennai(1-13), Dahej(1-13), Vizag(1-13), MGDALLA(1-12)	Currently at Haldia.. Previously called at Singapore, Chennai, Fujairah, Mina Saqr, Kuwait, Pakistan, Dahej, Singapore	EXIM Sea-web
325	01-07-2013	Haldia	[redacted]		Coal				Haldia											IOS						EXIM Sea-web
326	04-07-2013	Haldia	NUEVA ESPERANZA	9228095	Coal	22971		Indonesia	Haldia	50,955		14	33	G	Gulf- Red Sea/ India	Singapore	Paradip	not known	not known	DEBLINES				Haldia(1-13), Paradip(1-13, 1-12), NewMlore(1-12), Pipavav(1-12), Navlakhi(1-12)	Currently at Haldia.. Previously called at Paradip (S.Coal Discharge), Singapore Bunker, Indonesia, Singapore, China, Panama, Brazil, Togo, Singapore Bunker	EXIM Sea-web
327	05-07-2013	Haldia	ANEMOS	9495727	Coal	27460		Richards Bay	Haldia	58,398		14	33	G	Gulf- Red Sea/ India	Singapore	Paradip	Paradip	not known	M. Shipping	06-Jul	08-Jul	67	Haldia(1-13, 1-11), Paradip(1-13), Tuticorin(1-12), Vizag(1-12)	Currently at Haldia.. Previously called at Paradip (S.Coal Discharge 24/06), Singapore, China, Singapore Bunker, RB, Ivory Coast, DS(UK),Germany	EXIM Sea-web
328	14-05-2013	Haldia	PHUONG NAM 68	9569918	Wheat		E	Haldia	Mongolia	5,299	240	12		G	Gulf- Red Sea/ India	Chittangong	Chittangong	Kolkata	Mongolia	S. Oceanic	21-Jun	27-Jun	141	Haldia(3-13), Kolkata(2-13, 1-12, 1-11), Vizag(1-13)	Currently at Kolkata.. Previously called at Chittagong, Haldia, Kolkata, Vizag, Myanmar, Kolkata, Haldia, Malaysia, Singapore, Indonesia, Malaysia, Kakinada	EXIM Sea-web
329	21-05-2013	Haldia	DENSA JAGUAR	9586837	Coal			Indonesia	Haldia	57,280	2090	13.5	30.5	G	Gulf- Red Sea/ India	Singapore	Paradip	Malaysia	Malaysia	Seatrans	23-May	27-May	93	Tuticorin(1-13), Haldia(1-13), Paradip(1-13), Mormugao(1-12)	Sailed to Malaysia, Singapore Bunker, Tuticorin, Suez.... Previously called at Paradip, Singapore Bunker, Indonesia, DS(UK), Sweden, Lithuania, Netherlands, France, Gibraltar, Malta	EXIM Sea-web
330	22-05-2013	Haldia	AEOLIAN VISION	9483354	Coking Coal			Hampton(USA)	Haldia	80,650		14	36	GL	East Coast South Amercia	Hampton Roads(USA)	Paradip	Brazil	Brazil	GAC	22-May	24-May	61	Haldia(1-13), Paradip(1-13)	Sailed to Brazil.. Previously called at Paradip, Hampton Roads(USA), DS(UK), Netherlands, Belgium, Netherlands, Belgium, DS(UK), Spain, Turkey, Romania, Turkey, Egypt	EXIM Sea-web
331	22-05-2013	Haldia	POS AMETHYST	9513339	Coal			Indonesia	Haldia	56,889		14	34	G	South East Asia	Singapore	Paradip	Singapore	Singapore	GAC	21-May	27-May	135	Haldia(1-13), Paradip(1-13)	Currently at Singapore.. Previously called at Paradip, Singapore Bunker, Indonesia, Philipines, Longview(USA), South Korea, Singapore Bunker, CapeTown, Netherlands, Liberia	EXIM Sea-web
332	23-05-2013	Haldia	ORIENT ORCHID	9478860	Coal			Indonesia	Haldia	55,598	2280	14	30	G	East - South Africa / India	Singapore	Paradip	Ennore	Maputo Bay, Mozambique	IOS	16-May	20-May	102	Ennore(1-13), Haldia(1-13, 2-12), Paradip(2-13), Vizag(1-12)	Sailed to Mozambique, RB.. Previously called at Paradip, Singapore Bunker, Indonesia, Thailand, Vietnam, Singapore, Haldia, Paradip, Singapore Bunker, China	EXIM Sea-web

333	20-05-2013	Haldia	GOLDEN ECLIPSE	9481427	Coking Coal			Baltimore(USA)	Haldia	79,474	2960	14	39	GL	East Coast South Amercia	Baltimore	Paradip	Santos (Brazil)	Santos (Brazil)	Cosco	17-May	21-May	108	Haldia(1-13), Paradip(1-13), Dahej(1-13)	Sailed to Brazil. Previously called at Paradip, Baltimore(USA), Charleston(USA), Brazil, Malta, Egypt, Jeddah, Argentina, Brazil, Dahej	EXIM Sea-web
334	20-05-2013	Haldia	[redacted]	9500314	Coking Coal			Hay Point(AUS)	Haldia	75,703	2,510	14	34	GL	East Coast South Amercia	Singapore	Vizag	Uruguay	Uruguay	Infinity	16-May	22-May	145	Haldia(1-13), Vizag(1-13), Gangavaram(13), Kakinada(1-12)	Sailed to Uruguay, Argentina, Uruguay, Argentina.. Previously called at Vizag, Singapore Bunker, HayPoint(AUS), Japan, Singapore Bunker, Vizag, Gangavaram, Singapore, HayPoint(AUS), Japan, Russia, China	EXIM Sea-web
335	22-05-2013	Haldia	[redacted]	9339466	Coal	279999		Indonesia	Haldia	56,047	2380	14	30	G	South East Asia	Singapore	Paradip	Paradip	Geraldton(AUS)	Seatrans	11-May	16-May	135	Krishnapm(1-13), Paradip(2-13, 1-11), Haldia(1-13, 2-11), Chennai(1-11)	To discharge T Coal at Krishnapm 23/05 54000.. Sailed to Krishnapm, Geraldton(AUS), Freemantle(AUS), Signapore, Thailand... Previously called at Paradip, Singapore Bunker, Indonesia, Japan, Newcastle(AUS), China, Singapore	EXIM Sea-web
336	13-05-2013	Haldia	AQUILA	9594573	Chal				Haldia	56,506		14	34	G	Far East	Singapore	Paradip	Singapore	Singapore	M. Shipping	12-May	16-May	97	Haldia(1-13), Paradip(1-13), Vizag(1-13, 1-12), Tuticrin(1-12)	Sailed to Singapore, China.. Previously called at Paradip, Singapore Bunker, China, Japan, Singapore Bunker, Vizag, Singapore Bunker, China	EXIM Sea-web
337	15-05-2013	Haldia	BULK PORTUGAL	9518098	Coking Coal			Hay Point(AUS)	Haldia	82,224	3180	14	36	GL	East Coast South Amercia	Singapore	Paradip	Argentina	Argentina	J.M. Baxi	15-May	19-May	110	Haldia(1-13), Paradip(1-13)	Sailed to Argentina, sailed for Singapore.. Previously called at Paradip, Signapore Bunker, HayPoint(AUS), Japan, Singapore Bunker, Brazil, Singapore Bunker, Indonesia	EXIM Sea-web
338	15-05-2013	Haldia	KMTC CHALLENGE	9250139	Coking Coal			Kembla(AUS)	Haldia	52,026		14.5	32	G	Far East	Singapore	Singapore	Dhamra	Singapore	IOS	15-May	15-May		Mumbai(1-13), Dhamra(1-13), Haldia(1-13)	Sailed to Dhamra, Mumbai, Singapore Bunker, China.. Previously called at Singapore Bunker, FortKembla(AUS), South Korea, Australia, South Korea, Freemantle(AUS), China	EXIM Sea-web
339	18-05-2013	Haldia	ATLANTA		Coking Coal				Haldia											OEBLINES							EXIM Sea-web
340	06-07-2013	Jaigarh	MINOAN FALCON	9605841	Coal			Indonesia	Jaigarh	92,700	3900	14	42.5	GL	Gulf- Red Sea/ India	Singapore	Singapore	not known	not known	PSA	06-Jul	07-Jul	34	Jaigarh(1-13), Mundra(1-13), Paradip(1-13, 1-12), Krishanpm(1-13, 1-12), Mormugao(1-12)	Sailed from Jaigarh.. Previously called at Singapore Bunker, Indonesia, Malaysia, RB, Mundra, Paradip, Krishnapm, Singapore Bunker, Hay Point(AUS), China, Singapore Bunker, Krishnapm, RB, Fujairah	EXIM Sea-web
341	04-05-2013	New Mangalore	DOUBLE PRIDE	9633123	Coal	880000		Indonesia	New Mangalore	99,707	3900	14	42	GL	East Coast South Amercia	Singapore	Singapore	Brazil	Brazil	Hiralal & CO	03-May	07-May	77	New Mlore(1-13), Bedi(1-13), Mormugao(1-12)	Sailed to Brazil.. Previously called at Singapore Bunker, Indonesia, China, Singapore Bunker, Brazil, Bedi, Singapore Bunker, China, Singapoer Bunker	EXIM Sea-web
342	04-05-2013	New Mangalore	IKAN BAWAL	9442524	Coal	76305		Indonesia	New Mangalore	83,454	3180	14	38	GL	East Coast South Amercia	Singapore	Singapore	Santos (Brazil)	Santos (Brazil)	Hiralal & CO	08-May	09-May	32	New Mlore(1-13, 1-12), Vizag(1-12), Mormugao(1-12),	Sailed to Brazil.. Previously called at Singapore Bunker, HK, Indonesia, China, LongBeach(USA), Sanfran(USA), Japan. 2012 Aus coal discharge Krishnapm	EXIM Sea-web
343	08-05-2013	New Mangalore	GIOVANNI BOTTIGLIERI	9478090	Coal	825000		Port Hedland (AUS)	New Mangalore	93,407		14	42.5	GL	East coast South Amercia	Singapore	Singapore	Argentina	Argentina	Marcons	09-May	09-May		NewMlore(1-13, 1-12), Krishnapm(1-10)	Sailed to Argentina, Uruguay, Argentina.. Previously called at Singapore Bunker, China, Port Hedland(AUS), China, Singapore Bunker, Iran, Fujairah, Iran	EXIM Sea-web
344	13-05-2013	New Mangalore	MENALON	9555163	Coal	530000		Indonesia	New Mangalore	97,000		14	34	G	Gulf- Red Sea/ India	Indonesia	Indonesia	Okha	Fujairah	J.M. Baxi	16-May	21-May	119	Okha(2-13), New Mlore(1-13), Krishnapm(1-13), Mumbai(1-13, 1-12), Navlakhi(1-12), Mormugao(1-12), Pipavav(1-12)	Sailed to Okha, Fujairah, Qatar, Mina Saqr, Fujairah. Sailed Dhamra 23/06.. Previously called at Indonesia, Singapore Bunker, Krishnapm, Singapore Bunker, China, Singapore Bunker, Okha, Mumbai, Fujairah	EXIM Sea-web
345	14-05-2013	New Mangalore	JIN BUI	9519157	Coal	735080		Indonesia	New Mangalore	76,583		14	35	GL	East coast South Amercia	Singapore	Singapore	Brazil	Brazil	J.M. Baxi	14-May	16-May	49	New Mlore(1-13), Vizag(1-13)	Sailed to Brazil.. Previously called at Singapore Bunker, Indonesia, HK, China, Ridley(CAN), China, Singapore Bunker, China	EXIM Sea-web
346	19-05-2013	New Mangalore	SOPHIA	9323912	Coal	796759		Indonesia	New Mangalore	86,945		14	36	GL	East coast South Amercia	Singapore	Singapore	Argentina	Argentina	J.M. Baxi	21-May	22-May		NewMlore(1-13)	Sailed to Argentina, Uruguay, Argentina, Uruguay, Argentina.. Previously called at Singapore, Indonesia, China, Indonesia, South Korea, Japan, Taiwan, Gladstone(AUS), Japan	EXIM Sea-web
347	15-05-2013	New Mangalore	TONDA SEA	9498834	Coking Coal	831680		Kembla(AUS)	New Mangalore	92,500	3100	14	42.5	GL	East coast South Amercia	Port Kembla(AUS)	Port Kembla(AUS)	Durban	Durban	CB	17-May	21-May	88	New Mlore(1-13)	Sailed to Durban, Brazil.. Previously called at FortKembla(AUS), China, Japan, China, South Korea, Fortmedland(AUS), China	EXIM Sea-web
348	17-05-2013	New Mangalore	NOVO MESTO	9330422	Coal	300000		Indonesia	New Mangalore	53,626		14.5	35	G	East - South Africa / India	Singapore	Mumbai	Colombo	Colombo	Seaways	30-May	30-May		NewMlore(1-13), Mumbai(1-13, 1-09), Dahej(1-12), Ennore(1-12), Mormugao(1-12), Haldia(1-09)	Sailed to Colombo Bunker, Durban, Jamaica.. Previously called at Mumbai, Singapore Bunker, Indonesia, Vancouver(CAN), Longview(USA), Japan, Singapore Bunker, Dahej	EXIM Sea-web
349	17-05-2013	New Mangalore	XING MIN DA	8901107	Coal	330000		Indonesia	New Mangalore	69,637	2335	14	30	G	South East Asia	Singapore	Singapore	Mumbai	Bandar Abbas	Hiralal & CO	22-May	24-May	43	Mumbai(1-13), New Mlore(1-13)	Sailed to Mumbai, Bandar Abbas, Fujairah, Singapore Bunker . Previously called at Singapore Bunker, HK, China, HK, China, Indonesia, China, Indonesia, China	EXIM Sea-web
350	18-05-2013	New Mangalore	SECRET	9513307	Coal	260000		Indonesia	New Mangalore	54,430		14.5	32.5	G	Far East	Malaysia, Port Klang	Malaysia, Port Klang	Bandar Abbas	Bandar Abbas	Hiralal & CO	23-May	26-May	67	NewMlore(1-13), Nagapattinam(1-13), NewMlore(1-13)	Sailed to Bandar Abbas, Fujairah, China.. Previously called at Malaysia, Singapore, Indonesia, China, Singapore	EXIM Sea-web
351	19-05-2013	New Mangalore	MISS SIMONA	9481946	Coal	330000			New Mangalore	34,529		14	25	G	Gulf- Red Sea/ India	Saudi	Chennai	Salalah (Oman)	Salalah (Oman)	ISS	20-May	29-May	215	NewMlore(1-13), Chennai(1-13), Mumbai(1-13, 1-12), Kakinada(1-12), Kandla(1-12), Vizag(1-12)	Sailed to Oman, Yemen, Fujairah, Qatar, Fujairah, Santos. Previously called at Chennai, Mumbai, Saudi, Fujairah, Jeddah, Suez, Turkey, Russia, Ukraine, Turkey	EXIM Sea-web
352	30-05-2013	New Mangalore	SILVIA AMBITION	9622930	Coal	319900			New Mangalore	56,880	2400	14	34	G	Far East	Singapore	Singapore	Mumbai	Bandar Abbas	WSS	31-May	02-Jun	44	Mumbai(1-13), New Mlore(1-13), Mumbai(1-13), Kandla(1-13), Mundra(1-13), Mormugao(1-12)	Sailed to Mumbai, Bandar Abbas, Singapore Bunker, China. Previously called at Singapore Bunker, China, Singapore Bunker, Malaysia, Iran, Mumbai, Kandla, Mundra, South Korea, China	EXIM Sea-web
353	01-06-2013	New Mangalore	NS TRADER 1	9648855	Coal	550000		Indonesia	New Mangalore	58,000	2370	14	32	GL	East - South Africa / India	Singapore	Singapore	Port Elizabeth(SA)	Port Elizabeth(SA)	JMC	03-Jun	06-Jun	67	New Mlore(1-13), Mundra(1-13), Kandla(1-13)	Sailed to Port Elizabeth, RB.. Previously called at Singapore Bunker, Indonesia, Mundra, Kandla, Singapore Bunker, China	EXIM Sea-web
354	02-06-2013	New Mangalore	YVONNE	9360013	Coal	250000		Indonesia	New Mangalore	56,557	2170	14	30	G	Australasia	Singapore	Singapore	Mumbai	Freemantle(AUS)	Hiralal & CO	04-Jun	06-Jun	41	Mumbai(1-13), NewMlore(1-13), Haldia(2-13, 1-12), Vizag(1-13), Pipavav(1-12)	Sailed to Mumbai, Freemantle.. Previously called at Singapore Bunker, Indonesia, Haldia, Vizag, Singapore Bunker, Haldia, Chitagong, Brazil	EXIM Sea-web
355	02-06-2013	New Mangalore	ALAM PERMAI	9285160	Coal	825000		Indonesia	New Mangalore	87,052	2900	14	36	GL	East - South Africa / India	Indonesia	Indonesia	Maputo Bay, Mozambique	Maputo Bay, Mozambique	J.M. Baxi	02-Jun	05-Jun	62	NewMlore(1-13, 1-12), Paradip(1-12)	Sailed to Mozambique.. Previously called at Indonesia, Singapore Bunker, Malaysia, Indonesia, China, Singapore Bunker, Brazil, Argentina, Uruguay, Argentina, Singapore Bunker	EXIM Sea-web
356	03-06-2013	New Mangalore	[redacted]	9282390	Coal	170000			New Mangalore	55,500	1712	14	30	G	Gulf- Red Sea/ India					Seaways		11-Jun				Port Mismatch.. Called Mumbai	EXIM Sea-web
357	08-06-2013	New Mangalore	MOON GLOBE	9294111	Coal	673380			New Mangalore	74,432	2440	24	34	GL	South East Asia					WW						Port Mismatch.. Never Called India	EXIM Sea-web
358	09-06-2013	New Mangalore	GENCO NORMANDY	9347877	Coal	250000		Indonesia	New Mangalore	53,500		14.5	35	G	South East Asia	Singapore	Singapore	Vizag	Singapore	WW	15-Jun	17-Jun	34	Vizag(1-13, 1-12, 1-11), NewMlore(1-13, 1-12), Ennore(1-13), Mumbai(1-13), Haldia(1-12), Chennai(1-12)	Sailed to Vizag, Singapore.. Previously called at Singapore Bunker, Ennore, Indonesia, Thailand, Malaysia, South Korea, Vancouver(CAN), California(USA), Brisbane(AUS), China, Singapore, Kandla, Mumbai	EXIM Sea-web
359	14-06-2013	New Mangalore	GRAND ANNABELLE	9567166	Coal	682500		Indonesia	New Mangalore	79,469	3070	14	39	GL	Gulf- Red Sea/ India	Singapore	Singapore	Venezuela	Venezuela	J.M. Baxi	15-Jun	15-Jun		NewMlore(1-13)	Sailed to Venezuela 18/06.. Previously called at Singapore Bunker, Indonesia, China, Brazil, Taiwan, Brazil, Singapore Bunker	EXIM Sea-web
360	14-06-2013	New Mangalore	GL QUSHAN	9520895	Coal	87106		Indonesia	New Mangalore	98,681	4000	15	44	GL	Gulf- Red Sea/ India	Singapore	Singapore	Brazil	Brazil	Hiralal & CO	18-Jun	22-Jun	91	NewMlore(1-13)	Sailed to Brazil 22/06.. Previously called at Singapore Bunker, Indonesia, China, Plaquemines(USA), Bristol(UK), Colombia, Bristol(UK), Colombia	EXIM Sea-web
361	17-06-2013	New Mangalore	CONTI JAPSIS	9476537	Chal	850000		Indonesia	New Mangalore	93,264	3590	14	42.5	GL	Gulf- Red Sea/ India	Singapore	Singapore	Port Elizabeth(SA)	South Africa	J.M. Baxi	22-Jun	26-Jun		NewMlore(1-13)	Currently at NewMlore.. Previously called at Singapore, Indonesia, China, Singapore Bunker, RB, Singapore Bunker, Indonesia, Taiwan, Newcastle(AUS), South Korea, China	EXIM Sea-web
362	18-06-2013	New Mangalore	EASTERN VIEW	9075682	Coal	250000			New Mangalore	73,350	2850	14.5	36	G	Far East					WSS						Port Mismatch.. No India Call	EXIM Sea-web
363	25-06-2013	New Mangalore	LDN FORTUNA	9476472	Coal	783240		NewCastle(AUS)	New Mangalore	93,251	3590	14	42.5	GL	Gulf- Red Sea/ India	Singapore	Singapore	Cochin	Galle	Hiralal & CO	26-Jun	29-Jun	81	Cochin(1-13), NewMlore(1-13)	Sailed to Cochin, Galle.. Previously called at Singapore Bunker, Newcastle(AUS), Singapore Bunker, China, Jeddah, Suez, Turkey, Suez, Jeddah	EXIM Sea-web
364	30-06-2013	New Mangalore	[redacted]	9484699	Coal	640000		Richards Bay	New Mangalore	92,997	3567	14	42.5	GL	East - South Africa / India	Richards Bay	Richards Bay			M. Shipping				Vizag(1-12, Krishnapm(1-12), Mormugao(1-12)	Underway India.... Previously called at Richards Bay, Malaysia, Singapore, Newcastle(AUS), Taiwan, Singapore Bunker	EXIM Sea-web
365	04-07-2013	New Mangalore	DOUBLE FANTASY	9574157	Coal	869000		Indonesia	New Mangalore	95,691	3920	14	42	GL	Gulf- Red Sea/ India	Singapore	Singapore	Richards Bay	Richards Bay	Marcons	06-Jul	09-Jul	59	NewMlore(1-13, 1-12), Mormugao(1-11), Vizag(1-11)	Sailed from NewMlore 09/07.. Previously called at Singapore Bunker, Malaysia, Singapore Bunker, Indonesia, China, Singapore Bunker, Brazil, Singapore Bunker, Malaysia, Newcastle(AUS)	EXIM Sea-web
366	05-07-2013	New Mangalore	AGIA VALETINI	9464895	Coal	728020		Indonesia	New Mangalore	80,588	2620	14	36	GL	Gulf- Red Sea/ India	Singapore	Singapore	not known	not known	J.M. Baxi				Mormugao(1-12), NewMlore(1-13), Karaikal(1-12), Paradip(1-12)	Currently at NewMlore.. Previously called at Singapore Bunker, Indonesia, HK, China, Singapore Bunker, Brazil, Durban, Mormugao	EXIM Sea-web
367	07-07-2013	New Mangalore	SUNNY SMILE	9641857	Coal	769979		Indonesia	New Mangalore	95,768	3900	14	42	GL	South East Asia	Singapore	Singapore	not known	not known	J.M. Baxi				Yet to call at India	Underway NewMlore.. Previously called at Singapore Bunker, Indonesia, HK, Newcastle(AUS), Japan, Russia, Japan, NewCastle(AUS)	EXIM Sea-web
368	07-07-2013	New Mangalore	[redacted]		Coal	560000			New Mangalore											Seaways						No data	EXIM Sea-web
369	13-07-2013	New Mangalore	[redacted]	9548225	Coal	788019			New Mangalore	92,903		14		GL	East - South Africa / India					WSS						Update Needed	EXIM Sea-web

370	08-05-2013	Krishnapatnam	BIANCO DAN	9284489	Coal	264370		Indonesia	Krishnapatnam	55,628	1620	14	34	G	Far East	Singapore	Singapore	Port Louis	Port Louis	Sri Srinivasa	07-May	12-May	112	Krishnapm (1-13), Paradip(1-10), Ennore(1-08)	Sailed to Port Louis, Mozambique, Singapore Bunker, China. Previously called at Singapore, Indonesia, Thailand, Indonesia, Philippines, China	EXIM Sea-web
371	09-05-2013	Krishnapatnam	VINASHIP DIAMOND	9142095	Coal	20021		Russia	Krishnapatnam	24,034	982	18	20.5	G	South East Asia	Singapore	Singapore	Saudi	Saudi	Unicorn	09-May	11-May	52	Vizag (1-13), Paradip (1-13), Krishnapm (1-13), Kakinada (1-13), Vizag (1-12), Tuticorin (1-09)	Sailed to Saudi, Bahrain, Fujairah.. Previously called at Russia, China, Singapore, Kakinada, Qatar	EXIM Sea-web
372	10-05-2013	Krishnapatnam	28 AGUSTOS	9238478	Coal	511000		Longbeach(USA)	Krishnapatnam	52,455	2140	14	30	G	South East Asia	Singapore	Singapore	Durban	Durban	BSS	14-May	17-May	81	Krishnapm (1-13), Porbandar (1-12)	Sailed to Durban, Singapore Bunker.. Previously called at Singapore Bunker, HK, China, HK, LongBeach(USA), South Korea, China, Singapore Bunker, Mumbai	EXIM Sea-web
373	12-05-2013	Krishnapatnam	STRIGGLA	9465710	Coal	715040		Indonesia	Krishnapatnam	75,196		14	34	GL	South East Asia	Singapore	Singapore	Maputo Bay, Mozambique	Maputo Bay, Mozambique	Benline Agency	12-May	24-May	275	Krishnapm (1-13), Karaikal (1-12), Dahej (1-12), Paradip(1-11), Mundra (1-11), Chennai(1-09)	Sailed to Mozambique, Singapore Bunker.. Previously called at Singapore, indonesia, China, Indonesia, Weipa(AUS), China, South Korea, Astoria(USA), Brazil, Karaikal	EXIM Sea-web
374	13-05-2013	Krishnapatnam	ROYAL FAIRNESS	9478793	Coal	539100		Indonesia	Krishnapatnam	55,654	2292	14	30	G	Durban, South Africa	Singapore	Singapore	Durban	Durban	Glory Faith	12-May	12-May		Krishnapm(1-13)	Sailed to Durban.. Previously called at Singapore Bunker, Indonesia, Egypt, Turkey, Russia, Turkey, Egypt, Jeddah, Egypt, Turkey	EXIM Sea-web
375	13-05-2013	Krishnapatnam	MARITIME LONGEVITY	9650834	Steam Coal	596500		Indonesia	Krishnapatnam	61,436	2560	14.5	30	G	Far East	Singapore	Singapore	Singapore	Singapore	BSS	20-May	20-May		Krishnapm(1-13)	Sailed to Singapore, China.. Previously called at Singapore Bunker, Indonesia, Japan	EXIM Sea-web
376	13-05-2013	Krishnapatnam	RIO MANAUS	9536155	Steam Coal	164995		Richards Bay	Krishnapatnam	1,79,023		14.5	67	GL	East Coast South Amercia	Richards Bay	Richards Bay	Brazil	Brazil	GAC	13-May	21-May	181	Krishnapm (1-13), Mundra (1-13, 1-12)	Sailed to Brazil.. Previously called at RB, Mundra, Singapore Bunker, Indonesia, China, Singapore Bunker, Canary Islands, UK, Saldanha(SA), Mundra, Singapore Bunker, China	EXIM Sea-web
377	19-06-2013	Mundra	RAHI	9451757	Steam Coal	550000		Richards Bay	Krishnapatnam	1,75,264		15.3		G	West Africa	Richards Bay	Dhamra			Esskay	19-Jun	20-Jun	19	Mundra(2-13), Dhamra(1-13), Gangavaram(1-13), Krishnapm(1-13)	Currently at Mundra.. Discharged Steam Coal at Krishnapm 17/05.. Previously called at Dhamra, Gangevaram, Krishnapm, RB, Mundra, Indonesia, Singapore Bunker, RB, Saudi, Fujairah	EXIM Sea-web
378	14-05-2013	Krishnapatnam	[redacted]	9441269	Coal	546580			Krishnapatnam	57,809		14	32	G	Far East									Krishnapatnam(1-13),Tuticorin(2-11)	Port Mismatch	EXIM Sea-web
379	15-05-2013	Krishnapatnam	[redacted]	9447158	Coal	156568		Gladstone (AUS)	Krishnapatnam	1,73,555	5370	14	53	GL	Gulf- Red Sea/ India	Singapore	Singapore	Richards Bay	Richards Bay	Unicorn	16-May	29-May	311	Krishnapm(2-13), Mundra(1-13)	Sailed to RB, returned Krishnapm.... Previously called at Signapore, Gladstone(AUS), China, Singapore Bunker, Brazil, Mundra, Singapore, China, Egypt, Ukraine	EXIM Sea-web
380	19-05-2013	Krishnapatnam	GLORY FUJAIN		Coal	1480500			Krishnapatnam											Sri Srinivasa						EXIM Sea-web
381	15-05-2013	Krishnapatnam	MARATHA PRESTIGE	9561332	Maize	262500	E	Krishnapatnam	UAE	32,080	1245	14	24	G	Far East	Colombo	Colombo	Port Rashid (UAE)	Port Rashid (UAE)	J.M. Baxi	18-May	18-May		Krishnapm(1-13), Haldia(1-11), Tuticorin(2-11)	Sailed to UAE, Singapore, Indonesia, Australia, China.... Previously called at Colombo, Singapore, Taiwan, Indonesia, Singapore, Japan, China, Honduras, USA, Canada	EXIM Sea-web
382	19-05-2013	Krishnapatnam	SMART	9137959	Coal	120000		Richards Bay	Krishnapatnam	1,51,279	3849	15	50	GL	South East Asia	Richards Bay	Richards Bay	Richards Bay	Richards Bay	Sri Srinivasa	22-May	22-May		Krishnapm(1-13)	Sailed to KB... Previously called at RB, Singapore Bunker, New castle(AUS), Taiwan, Newcastle(AUS), China, South Korea, Hay Point(AUS),Taiwan, Hedland(AUS), Japan	EXIM Sea-web
383	22-05-2013	Krishnapatnam	CMB WALING	9405019	Steam Coal	39351			Krishnapatnam	55,090	2045	14	29.5	G	Far East	Singapore	Tuticorin	Singapore	Singapore		27-May	27-May		Krishnapm(1-13), Tuticorin (1-13), Jaigarh(1-13), Mumbai(1-12)	Sailed to Singapore Bunker, China.... Previously called at Tuticorin, Singapore Bunker , China, Japan, China, Jaigarh, China, Pakistan, Singapore Bunker, Japan, China, Singapore Bunker, Mumbai, Singapore Bunker	EXIM Sea-web
384	11-06-2013	Krishnapatnam	BARANEE NAREE	9613422	Coal	343850		Indonesia	Krishnapatnam	56,441	2390	14	34	G	South East Asia	Singapore	Kakinada	Singapore	Singapore	BSS	12-Jun	25-Jun	317	Krishnapm(1-13), Kakinada(1-13), Paradip(1-13)	Sailed to Singapore Bunker.. Previously called at Kakinada, Singapore Bunker, Indonesia, China, Singapore Bunker, Paradip, Haldia, Singapore Bunker, Philippines, China, Singapore Bunker, RB, Mozambique	EXIM Sea-web
385	15-06-2013	Krishnapatnam	KEN STAR	9619593	Coal	300000		Indonesia	Krishnapatnam	61,423	2560	14.5	30	G	South East Asia	Singapore	Ennore	Singapore	Singapore	Seaways	17-Jun	30-Jun	330	Krishnapm(1-13), Ennore(1-13)	Sailed to Singapore Bunker.... Previously called at Ennore, Singapore Bunker, Indonesia, China, Mexico, Canada, Japan	EXIM Sea-web
386	15-06-2013	Krishnapatnam	HEROIC	9589406	Coal	550000			Krishnapatnam	57,721		14	34	G	Gulf- Red Sea/ India	Malaysia	Malaysia	Singapore	Singapore	Sunbeam Log	15-Jun	25-Jun	240	Krishnapm(1-13)	Sailed to Singapore... Previously called at Malaysia,Singapore, Taiwan, Indonesia, Malaysia, Singapore, China, Indonesia, Taiwan, China	EXIM Sea-web
387	15-06-2013	Krishnapatnam	JAY	9441336	Coal	533153			Krishnapatnam	57,809		14	32	G	Gulf- Red Sea/ India	Singapore	Singapore	Colombo	Colombo	Seatrans	16-Jun	26-Jun	226	Krishnpm(1-13), Paradip(4-12)	Sailed to Colombo .... Previously called at Singapore, China, Singapore Bunker, Thailand, HK, China, Japan, Indonesia, Singapore Bunker, Indonesia, Singapore, Paradip, Singapore Bunker, China	EXIM Sea-web
388	15-06-2013	Krishnapatnam	SLETTNES	9490739	Coal	550000		Milner(AUS)	Krishnapatnam	58,018		14	32	G	South East Asia	Singapore	Paradip	Singapore	Singapore	BSS	17-Jun	22-Jun	112	Krishnapm(1-13), Paradip(1-13), Haldia(3-13)	Sailed to Singapore Bunker.... Previously called at Paradip, Haldia, Singapore Bunker, China, Milner(AUS), China, Singapore Bunker, Mozambique	EXIM Sea-web
389	21-06-2013	Krishnapatnam	ZHENG RUN	9593816	Coal	400000		Indonesia	Krishnapatnam	81810		14.2		GL	Gulf- Red Sea/ India	Singapore	Singapore	Brazil	Brazil	Seaways	21-Jun	21-Jun		Krishnapm(1-13)	Sailed to Brazil.. Previously called at Singapore Bunker, Indonesia, China	EXIM Sea-web
390	24-06-2013	Krishnapatnam	[redacted]	9592686	Coal	544140		Indonesia	Krishnapatnam	57000		14	34	G	Gulf- Red Sea/ India	Singapore	Singapore	Singapore	Singapore	BSS				Ennore(1-13), Haldia(1-13, 2-12), Paradip(1-13), Tuticorin(1-13,1-12)	Currently at Krishnpm... Previously called at Singapore, Indonesia, Singapore Bunker, Ennore, Singapore Bunker, China, Singapore Bunker, Haldia, Paradip, Singapore Bunker, Indonesia, Singapore Bunker, Tuticorin, Singapore Bunker	EXIM Sea-web
391	26-06-2013	Krishnapatnam	ARNICA	9514418	Coal	439200		Indonesia	Krishnapatnam	56106	2100	14	30	G	South East Asia	Singapore	Singapore	Singapore	Singapore	Glory Faith	25-Jun	28-Jun	61	Krishnapm(1-13), Muldwarka(1-12), Paradip(1-10)	Sailed to Singapore Bunker.... Previously called at Singapore Bunker, Indonesia, Egypt, Turkey, Ukraine, Egypt, Turkey, Ukraine, Turkey, Egypt, Saudi, Yemen	EXIM Sea-web
392	27-06-2013	Krishnapatnam	[redacted]	9056260	Coal	146715		Richards Bay	Krishnapatnam	149735		14.5	56.5	GL	South East Asia	Richards Bay	Richards Bay	Singapore	Singapore	Sri Srinivasa	27-Jun	27-Jun		Krishnapm(1-13)	Sailed to Singapore Bunker .. Previously called at KB, Darwin(AUS). RB, Singapore Bunker, China, Iran, Fujairah, Iran, Fujairah, Brazil, Singapore Bunker	EXIM Sea-web
393	27-06-2013	Krishnapatnam	[redacted]	9490624	Coal	564020			Krishnapatnam	57970		14	32	G	Far East			China	China	BSS						Port Mismatch, No India Call	EXIM Sea-web
394	28-06-2013	Krishnapatnam	[redacted]	9667889	Coal	542500		Indonesia	Krishnapatnam	56064	2230	14.5		G	South East Asia	Singapore	Singapore	Indonesia	Indonesia	Glory Faith	28-Jun	01-Jul	83	Krishnapm(1-13), Paradip(2-13), Vizag(13)	Sailed to Indonesia .. Previously called at Singapore Bunker, Indonesia, South Korea, China, Singapore Bunker, Paradip, Vizag, Kakinada, Haldia, Singapore Bunker, Japan	EXIM Sea-web
395	29-06-2013	Krishnapatnam	[redacted]	9399090	Coking Coal	312740		Vancouver(CAN)	Krishnapatnam	81503		14	36	GL	Gulf- Red Sea/ India	Singapore	Singapore	Dhamra	not known	Unicorn	29-Jun	05-Jul	138	Krishnapm(1-13)Paradip(1-11), Vizag(1-11), New mangalore(1-10)	Currently at Krishnapm... Previously called at Singapore Bunker, Vancouver(CAN), Japan, China, South Korea, Vancouver(CAN), China, Indonesia	EXIM Sea-web
396	01-07-2013	Krishnapatnam	GOLDEN ZHOUSHAN	9448554	Coal	162357		Richards Bay	Krishnapatnam	175834	4800	14	52	GL	Gulf- Red Sea/ India	Richards Bay	Richards Bay			Sri Srinivasa				Krishnapm(1-13)	Currently at Krishnapm... Previously called at KB, Singapore Bunker, China, Singapore Bunker, Egypt, Turkey, Ukraine, Turkey, Israel, Malta, Greece, South Korea, RB	EXIM Sea-web
397	01-07-2013	Krishnapatnam	AVALON	9585728	Coal	368180		Hay Point(AUS)	Krishnapatnam	81585		14.8	38.2	GL	Gulf- Red Sea/ India	Singapore	Karaikal	not known	not known	Glory Faith	06-Jul	11-Jul	129	Krishnapm(2-13), Karaikal(1-13), Mormugao(1-12)	Currently at krishnapm... Previously called at Karaikal, Singapore Bunker, HayPoint(AUS), China, Singapore Bunker, Brazil, Singapore Bunker, Krishnapm, Singapore Bunker, Taiwan, Singapore Bunker, Brazil, Mormugao, Singapore Bunker, Gladstone(AUS)	EXIM Sea-web
398	03-07-2013	Krishnapatnam	NAVIOS HIOS	9254733	Coal	305403		Hay Point(AUS)	Krishnapatnam	55180	2410	14.7		G	Gulf- Red Sea/ India	Singapore	Singapore	Haldia	not known	Sri Srinivasa	03-Jul	03-Jul		Krishnapm(1-13), Mormugao(1-12), Pipavav(1-12),Mormugao(1-10),Tuticorin(2-10), Chennai(1-09)	Sailed Haldia 09/07 .Previously called at Singapore Bunker, HayPoint(AUS), China, Singapore Bunker. RB, Durban, Madagascar, Fujairah	EXIM Sea-web
399	05-07-2013	Krishnapatnam	AGRIA	9584140	Coal	553151			Krishnapatnam	56,805		14	34	G	Gulf- Red Sea/ India	Singapore	Singapore			BSS				Tuticorin(1-13), Krishnapm(1-13), Mumbai(1-12), Vizag(2-12)	Currently at Krishnapm.... Previously called at Singapore Bunker, HK, China, Singapore Bunker, Tuticorin, Singapore Bunker, China, Singapore Bunker, Fujairah, Mina Saqr	EXIM Sea-web
400	07-07-2013	Krishnapatnam	COAL GLORY	9100102	Coal	705000		Indonesia	Krishnapatnam	73670		14	29	GL	Gulf- Red Sea/ India	Singapore	Singapore			Merchant Shipping				Krishnapm(1-13)	Currently at Krishnapm... Previously called at Singapore Bunker, Indonesia, Thailand, Singapore Bunker, Argentina, Uruguay, Argentina, Singapore, China, HK, China, Vancouver(CAN), South Korea, Panama, Plaquemines(USA)	EXIM Sea-web
401	07-07-2013	Krishnapatnam	LIBERTY DREAM	9600621	Coal	507800		Gladstone (AUS)	Krishnapatnam	81641	2540	13.5	35	GL	Gulf- Red Sea/ India	Singapore	Singapore			Glory Faith				Krishnapm(1-13)	Currently at Krishnapm...Previously called at Singapore Bunker, Gladstone(AUS), Singapore Bunker, China, Singapore Bunker, Brazil, Norfolk Island, Port Louis, Fujairah, Damman, Egypt, Canary Island, Brazil, Spain, Brazil, Gibraltar, Egypt	EXIM Sea-web
402	12-07-2013	Krishnapatnam	GRACO HAZIRAN	9423067	Coal	162706			Krishnapatnam	169025	3328	14	52	GL	East and South Africa	Richards Bay	Richards Bay			Benline Agency					Underway Krishnapm. Update needed	EXIM Sea-web
403	13-07-2013	Krishnapatnam	SILVER TRADE	9107916	Coal	1433080			Chennai	150393	54	14.5	46.5	GL	East coast South America	Chile	Chile			Benline Agency					Underway Krishnapm, . Update needed .	EXIM Sea-web
404	01-06-2013	Chennai	[redacted]		Coking Coal	720000			Chennai											Atlantic					No data	EXIM Sea-web
405	12-05-2013	Chennai	ADAM MEERA	9219446	Wheat	440000	E	Chennai	Vietnam	48,446	1765	14	27	G	South East Asia	Fujairah	Tuticorin	Singapore	Singapore	Hari	11-May	24-May	306	Chennai(1-13), Tuticorin(2-13), Magdalla(2-13), Mumbai(1-13), Paradip(1-11)	Sailed to Singapore Bunker, Vietnam, Indonesia.. Previously called at Tuticorin, Fujairah, Magdalla, Pakistan, Magdalla, Mumbai, Tuticorin, Fujairah, Mina Saqr, RB	EXIM Sea-web

406	29-06-2013	Mundra	[redacted]	9599810	Steam Coal	167436		Indonesia	Mundra	1,81,403	5800	14	62	GL	Gulf- Red Sea/ India	Singapore	Singapore	Brazil	Brazil	J.M. Baxi	30-Jun	05-Jul	116	Mundra(2-13)	Sailed to Brazil... Previously called at Singapore Bunker, Indonesia, China, Singapore Bunker, Brazil, Mundra, Singapore Bunker, China, AUS, Japan, Hedland(AUS), China	EXIM Sea-web
407	01-07-2013	Mundra	CAPE GARLAND	9397846	Steam Coal	163537		Indonesia	Mundra	1,78,394	4749	14	52	GL	Gulf- Red Sea/ India	Singapore	Singapore			Taurus Shipping	02-Jul	03-Jul	10	Mundra(1-13)	Currently at Mundra.. Previously called at Singapore Bunker, Indonesia, China, Dampier(AUS), China, Japan, Singapore Bunker, Brazil, Gibraltar, France, HayPoint(AUS)	EXIM Sea-web
408	03-07-2013	Mundra	CAPE VIEWER	9008160	Steam Coal	144957		Indonesia	Mundra	1,69,581	3900	14	53	G	Gulf- Red Sea/ India	Malaysia, Port Klang	Malaysia, Port Klang			Taurus Shipping	05-Jul			Mundra(1-13)	Currently at Mundra.. Previously called at Malaysia, Singapore, Indonesia, China, Suez, Turkey, Russia, Ukraine, Russia, Turkey, RB, Singapore	EXIM Sea-web
409	03-07-2013	Mundra	FRONTIER KOTOBUKI	9532082	Steam Coal	164161		Indonesia	Mundra	1,74,810	5186	14.5	63	GL	Gulf- Red Sea/ India	Singapore	Singapore			J.M. Baxi	05-Jul			Mundra(1-13), Mormugao(1-12), Dhamra(1-12)	Currently at Mundra.. Previously called at Singapore Bunker, Indonesia, HK, China, HK, Dampier(AUS), Japan, Mexico, China, Japan, Singapore Bunker, Saldanha(SA)	EXIM Sea-web
410	06-07-2013	Mundra	SHARP	9513919	Coking Coal	53800		Abbot Point(AUS)	Mundra	55,340		14.5	32.5	G	Gulf- Red Sea/ India	Singapore	Singapore			Magnum Shipping	08-Jul			Mundra(1-13), Tuticorin(1-13), Krishnapm(1-13)	Currently at Mundra.. Previously called at Singapore Bunker, AbbotPoint(AUS), Oman, Fujairah, Tuticorin, Indonesia, Singapore Bunker, Krishnapm	EXIM Sea-web
411	19-06-2013	Kandla	PANAGIA STENIDI	9592020	Coal	71489		Indonesia	Kandla	76,072	2700	14.5	36	GL	Gulf- Red Sea/ India	Singapore	Singapore	Fujairah	Fujairah	Arnav Shipping	20-Jun	30-Jun	226	Kandla(1-13)	Sailed to Fujairah... Previously called at Singapore Bunker, China, HK, Indonesia, Brazil, Fujairah, Jebel Ali, UAE, Fujairah, Melbme(AUS)	EXIM Sea-web
412	25-06-2013	Kandla	BAO YUN SHENG	9621015	Coal	250000		Indonesia	Kandla	56,928		14	34	G	Gulf- Red Sea/ India	Singapore	Singapore	Bedi Bunder	Bandar Abbas	Scorpio Shipping	25-Jun	29-Jun	97	Bedi(1-13), Kandla(1-13)	Sailed to Bedi, Jekhau, Bandar Abbas... Previously called at Singapore Bunker, Indonesia, HK, China, Indonesia, Singapore, China	EXIM Sea-web
413	24-06-2013	Kandla	UNITED IALUA	9432347	Rice	44000	E	Kandla	South Korea	53,414	2000	14	32.5	G	South East Asia	Suez	Suez	Singapore	Singapore	Shantilal Shipping	14-Jun	24-Jun	255	Kandla(1-13), Magdalla(1-13), Mumbai(1-13)	Sailed to Singapore Bunker.. Previously called at Suez, Malta, DS(UK), Lituania, Antwerp, Netherlands, Spain, Italy, Egypt, Jeddah, Magdalla, Mumbai, Singapore Bunker	EXIM Sea-web
414	20-06-2013	Kandla	[redacted]	9172399	Wheat	52100	E	Kandla	Jebel Ali(UAE)	35,362		14	25	G	Gulf- Red Sea/ India	Fujairah	Mundra	Jebel Ali(UAE)	Jebel Ali(UAE)	-	20-Jun	01-Jul	254	Kandla(1-13, 1-12), Mundra(1-13, 1-12), Dahej(1-13), Kakinada(1-13), Vizag(1-13, 1-10), Paradip(1-10)	Sailed to Jebeli Ali(UAE).. Previously called at Mundra, Fujairah, Dahej, Hedland(AUS), Vietnam, Singapore Bunker, Kakinada, Vizag, Singapore Bunker, Fujairah	EXIM Sea-web
415	25-06-2013	Kandla	[redacted]	9576569	Coal	55040		Indonesia	Kandla	57,000		14	34	G	Gulf- Red Sea/ India	Indonesia	Indonesia	Fulairah	Fulairah	Aditya Marine	01-Jul	03-Jul	67	Kandla(2-13, 1-12), Tuticorin(1-13), Ennore(1-13, 1-12), Paradip(1-13), Vizag(1-13),	Sailed to Fujairah, Mina Sagr.. Previously called at Indonesia, Tuticorin, Ennore, Singapore, Indonesia, Singapore Bunker, Paradip, Malta, China, Singapore Bunker, Paradip, Vizag, Kandla, Singapore Bunker	EXIM Sea-web
416	27-06-2013	Kandla	TRANS SPRING	9613482	Rice	40000	E	Kandla		56,854	2400	14	34	G	Gulf- Red Sea/ India	Karachi	Karachi			Shantilal Shipping				Kandla(1-13)	At Kandla Anchorage.. Previously called at Singapore Bunker, China, Indonesia, China, Indonesia, China	EXIM Sea-web
417	01-07-2013	Kandla	ZHE HAI 505	9567477	Rice	10000	E	Kandla	China	35,130		14		G	Gulf- Red Sea/ India	Pakistan	Pakistan			Aditya Marine				Kandla(2-13), Mundra(1-13)	Currently at Kandla.. Previously called at Pakistan, Mundra, Malyasia, Singapore Bunker, NewZealand, Kembal(AUS), NewZealand, Mexico, Portland(USA)	EXIM Sea-web
418	28-06-2013	Kandla	LAMBI	9595254	Wheat	30000	E	Kandla	Jebel Ali(UAE)	33,221		14	25	G	Far East	Jordan	Mundra			-	06-Jul	07-Jul	39	Kandla(1-13), Mundra(1-13), Cochin(1-12)	Currently at Kandla.. Previously called at Mundra, Jordan, Saudi, Suez, Turkey, Russia, Turkey, Morocco, Uruguay, Argentina	EXIM Sea-web
419	03-07-2013	Kandla	CAPITAL	9524683	Coal	53786		Indonesia	Kandla	55,340		14.5	32.5	G	Gulf- Red Sea/ India	Singapore	Pipavav			Scorpio Shipping	07-Jul			Kandla(1-13), Pipavav(1-13), Magdalla(1-13), Bedi(1-13)	Currently at Kandla.. Called Pipavav 01/07, Coal Discharge.. Previously called at Pipavav, Singapore, Indonesia, China, Bandar Abbas, Fujairah	EXIM Sea-web
420	08-07-2013	Kandla	COMMON SPIRIT	9594717	Coal	55047		Indonesia	Kandla	57,078		14	34	G	South East Asia	Singapore	Singapore	Singapore	Singapore	Scorpio Shipping	10-Jun	10-Jun		Kandla(1-13), Mumbai(1-12), Mundra(1-12), Vizag(1-12)	Sailed to Singapore Bunker, Indonesia.. Previously called at Singapore Bunker, Indonesia, Suez, Turkey, Russia, Turkey, Antwerp	EXIM Sea-web
421	08-07-2013	Kandla	[redacted]	9476642	Coal	181557		Richards Bay	Kandla	1,75,247		14	52	GL	East - South Africa / India	Richards Bay	Richards Bay			Scorpio Shipping				Mundra(1-13), Kandla(1-13)	Underway Mundra.. Previously called at RB, Fujairah, RB, Mundra, Singapore Bunker, Indonesia, Taiwan, Singapore Bunker, Canada, DS(UK)	EXIM Sea-web
422	12-07-2013	Kandla	[redacted]	9588517	Coal	250000		Indonesia	Kandla	56,928	2370	14	34	G	South East Asia	Singapore	Singapore			Scorpio Shipping				Mumbai(1-13, 1-12), Magdalla(1-13), Vizag(1-12), Paradip(1-12), Kakinada(1-12)	Underway Kandla.. Previously called at Indonesia, China, Singapore, Bandar Abbas, Mumbai, Magdalla, Singapore Bunker, Indonesia, China, Singapore Bunker	EXIM Sea-web
423	16-05-2013	Kandla	CHANG AN	9555280	Wheat	30000	E	Kandla	Indonesia	31,800		14	26	G	Australasia	Singapore	Singapore	Singapore	Singapore	IOS	07-May	16-May	200	Kandla(1-13, 1-12), Mumbai(1-12), Paradip(1-11)	Sailed to Singapore Bunker, Indonesia, NewZealand.. Previously called Singapore Bunker, NewZealand, Indonesia, Singapore Bunker, Thailand, China, Russia, China	EXIM Sea-web
424	15-05-2013	Kandla	MARAKI	9104158	Wheat	22000	E	Kandla	UAE	26,472	1068	14	23	G	Gulf- Red Sea/ India	Israel	Israel	Fujairah	Fujairah	J.M. Baxi	04-May	15-May	267	Kandla(2-13)	Sailed to Fujairah, Hamriyah, Kuwait, Fujairah, Suez, Tunisia, Malta, Suez... Previously called at Israel, Jeddah, Sudan, Port Said, Malta, Brazil, Namibia, Morocco, Turkey	EXIM Sea-web
425	15-05-2013	Kandla	[redacted]	9451173	Wheat	28000	E	Kandla	Yemen	57,266	2080	13.5	30.5	G	South East Asia	Fujairah	Fujairah	Yemen	Yemen	PMA	01-May	06-May	113	Vizag(1-13), Kandla(1-13), Paradip(1-12, 1-11), Krishnapm(1-12),	Sailed to Yemen, Oman, Vizag, Singapore Bunker, Bunbury(AUS)... Previously called at Fujairah, Jebel Ali, Suez, Turkey, Malta, France, Spain, Gibraltar, Morocco	EXIM Sea-web
426	14-05-2013	Kandla	MINDAN GRACE	9605839	Rice	46600	E	Kandla	South Korea	57,000	2170	14	34	G	South East Asia	Singapore	Singapore	Singapore	Singapore	Chowgule S	19-May	22-May	80	Kandla(1-13)	Sailed to Singapore Bunker, South Korea, Japan, China, HK, Indonesia.. Previously called at Singapore Bunker, Indonesia, Philippines, Indonesia, Egypt, Turkey, Ukraine, Bulgaria	EXIM Sea-web
427	10-05-2013	Kandla	DAEBO MASAN	9240031	Wheat	11000	E	Kandla	South Korea	11,885		13		G	Far East	Iraq	Iraq	Singapore	Singapore	J.M. Baxi	01-May	10-May	144	Kandla(1-13, 1-11), Mundra(1-12), Mumbai(1-12), Navlakhi(1-11)	Sailed to Singapore, Indonesia, South Korea.. Previously called at Iraq, Dammam, Abu Dhabi, Fuiairah, Oman, Singapore	EXIM Sea-web
428	10-05-2013	Kandla	PROPEL PROGRESS	9152234	Wheat	30000	E	Kandla	Jebel Ali(UAE)	30,848	1300	14		G	Gulf- Red Sea/ India	Fujairah	Mundra	Jebel Ali(UAE)	Jebel Ali(UAE)	Act Infraport	18-Apr	12-May	587	Kandla(2-13), Mundra(1-13), Magdalla(1-13), Dahej(1-13), Kakinada(1-12), Chennai(1-12)	Sailed to Jebel Ali, Qatar, Bandar Abbas, Fujairah.. Previousyl called at Mundra, Fujairah, Bandar Abbas, Iraq, Kuwait, Jebel Ali, Kandla, Magdalla, Dahej, Hedland(AUS), Singapore	EXIM Sea-web
429	11-05-2013	Kandla	MOONDANCE II	9316191	Coal	55000		Indonesia	Kandla	55,566	1805	14	30	G	South East Asia	Indonesia	Mumbai	Bandar Abbas	Bandar Abbas	Intratrade	08-May	11-May	72	Kandla(1-13), Mumbai(1-13), Bedi(1-12), Paradip(1-11), Chennai(1-11)	Sailed to Bandar Abbas, Fujairah, China, Indonesia.. Previously called at Mumbai, Indonesia, China, Indonesia	EXIM Sea-web
430	04-05-2013	Kandla	EXCALIBUR	9207443	Wheat	58000	E	Kandla	Astoria(USA)	73,976	2444	14	30	GL	West Coast US	Singapore	Tuticorin	Singapore	Singapore	Aditya Marine	02-May	04-May	52	Kandla(1-13), Tuticorin(1-13), Mormugao(1-12), Dahej(1-11)	Sailed to Singapore Bunker, Vancouver(USA)... Previously called at Tuticorin, Singapore Bunker, Indonesia, Hedland(AUS), China, Long Beach(USA), South Korea, AbbotPoint(AUS), China, HK, China	EXIM Sea-web
431	07-05-2013	Kandla	TOPAZ II	7924839	Barley	11000	E	Kandla	Bandar Imam	17,169	1049	14.5		G	Far East	Pakistan	Pakistan	Qatar	Qatar	Aditya Marine	28-Apr	09-May	275	Kandla(2-13, 1-12, 1-11), Navlakhi(1-12)	Sailed to Qatar, Iran, Iraq.. Previously called at Pakistan, Iran, Jebel Ali, Kuwait, Iran, Kandla, Pakistan, Saudi, Fujairah, Oman	EXIM Sea-web
432	08-05-2013	Kandla	MARIATTA P	9351725	Wheat	55000	E	Kandla	South Korea	56,023	2410	14	30	G	South East Asia	Mina Sagr(UAE)	Pipavav	Singapore	Singapore	IOS	07-May	15-May	189	Kandla(2-13), Pipavav(1-13), Dahej(1-13), Tuticorin(1-13), Vizag(1-11)	Sailed to Singapore Bunker, South Korea, Taiwan, Netherlands, Singapore Bunker.. Previously called at Pipavav, UAE, Dahej, Tuticorin, Chile, Peru, China	EXIM Sea-web
433	05-05-2013	Kandla	GRAND SOAR		Rice	9000	E	Kandla												Mitsutor						EXIM Sea-web
434	05-05-2013	Chennai	[redacted]		Coking Coal	140000			Chennai											GAC						EXIM Sea-web
435	09-06-2013	Vizag	GLORIOUS SEMAZER	9550280	Maize	25000	E	Vizag		28,339	1370	14	23	G	Gulf- Red Sea/ India	Trincomalee	Trincomalee			IOS				Vizag(2-13), Kandla(1-12, 1-10), Tuticorin(1-12),	Currently at Vizag.. Previously called at Trincolmalee, Indonesia, Thailand, Vietnam, Vizag, China, Russia, Japan, China, Singapore, Kandla, Singapore, Thailand	EXIM Sea-web
436	11-06-2013	Vizag	[redacted]	9593622	Maize	27000	E	Vizag	Malaysia	27,000	2900	13.5		G	Gulf- Red Sea/ India	Chittangong	Chittangong			IOS	11-Jun	10-Jul	708	Vizag(1-13), Krishnapm(1-11), Vizag(1-11)	Sailed from Vizag.. Previously called at Chittagong, Singapore, China, Japan, China, Russia, Japan, China, Brunei, Vietnam, HK, China	EXIM Sea-web
437	11-06-2013	Vizag	[redacted]	9595371	Steam Coal	330000		Indonesia	Vizag	34,062	1560	14	24.5	G	South East Asia	Singapore	Singapore	Singapore	Singapore	OSL	19-Jun	22-Jun	92	Vizag(1-13), Tuticorin(1-13)	Sailed to Singapore Bunker, Gladstone(AUS).. Previously called at Signapore, Indonesia, Singapore Bunker, Malaysia, Tuticorin, Freemantle(AUS), LongBeach(USA), Japan	EXIM Sea-web
438	14-06-2013	Vizag	MAA SALEHA BEGUM	8412168	Maize	40000	E	Vizag		41,734	1507	13	25	G	South East Asia					BSS					Port Mismatch. No India call	EXIM Sea-web
439	17-06-2013	Vizag	[redacted]	9235957	Maize	25000	E	Vizag		28,107	1439	13.5	24.5	G	Gulf- Red Sea/ India	Singapore	Paradip			BSS				Paradip(1-13), Dahej(1-09), Chennai(1-09)	Currently at Vizag.. Previously called at Paradip, Singapore, China, Vietnam, HK, Taiwan, Dampier(AUS), Malaysia, Singapore, Freemantle(AUS)	EXIM Sea-web
440	10-06-2013	Vizag	STX CROCUS	9441881	Steam Coal	570000		Indonesia	Vizag	57,269		13.5	30.5	G	South East Asia	Indonesia	Indonesia	Singapore	Singapore	Navship	17-Jun	25-Jun	190	Vizag(1-13, 1-11), Haldia(1-13), Paradip(1-12)	Sailed to Singapore, Indonesia.. Previously called at Indonesia, Singapore Bunker, Haldia, Bangladesh, Brazil, Durban(SA), Singapore Bunker, China, Singapore Bunker	EXIM Sea-web
441	24-06-2013	Vizag	[redacted]	9594705	Steam Coal	350000	E	Indonesia	Vizag	57,000		14	34	G	Gulf- Red Sea/ India	Singapore	Paradip			Seatrans				Paradip(1-13), Mumbai(1-13, 1-12), NewMore(1-13), Magdalla(1-12), Ennore(1-12)	Still at Paradip.. Previously called at Paradip, Singapore Bunker, Indonesia, China, Singapore Bunker, Maputo, Mumbai, NewMore, Indonesia, Philippines, Freemantle(AUS), Singapore Bunker, Indonesia, China	EXIM Sea-web

442	26-06-2013	Vizag	GRAND BREAKER	9626572	Steam Coal	539020		Indonesia	Vizag	57,000	2410	14	34	G	Gulf- Red Sea/ India	Singapore	Paradip			BSS				Mumbai(1-13), Mundra(2-12), Paradip(1-13), Vizag(1-13), Mormugao(1-12)	Still at Paradip.. Previously called at Paradip, Singapore Bunker, Indonesia, China, Singapore Bunker, Mumbai, Karaikal, Singapore Bunker, South Korea, Poland, SanFran(USA), South Korea, Vancouver(CAN), Portland(USA), South Korea	EXIM Sea-web
443	01-07-2013	Vizag	ATLANTIC LEGEND	9425667	Coking Coal	773630		Hay Point(AUS)	Vizag	83,685		14	37	GL	Gulf- Red Sea/ India	Singapore	Singapore	Gangavaram		BSS	06-Jul	10-Jul	114	Gangavaram(2-13), Vizag(1-13, 1-11), Dahej(1-12), Haldia(1-11)	Sailed to Gangavaram.. Previously called at Singapore Bunker, HayPoint(AUS), China, Singapore Bunker, Brazil, Gangavaram, RB, Newport(USA), Spain	EXIM Sea-web
444	04-07-2013	Paradip	TIGER DI	9630743	Steam Coal	550000			Paradip	58,000	2370	14	32	G	Gulf- Red Sea/ India	Singapore	Gangavaram	Kandla		Esskay				Paradip(1-13), Gangavaram(2-13)	Sailed for Kandla 05/07.. Previously called at Gangavaram, Singapore Bunker, Thailand, Fujairah, Qatar, Fujairah, Pakistan, RB, Gangavaram, Singapore Bunker, China, Indonesia	EXIM Sea-web
445	30-06-2013	Vizag	RINIA	9594406	Steam Coal	550000		Indonesia	Vizag	56,746	2400	14	34	G	Gulf- Red Sea/ India	Singapore	Singapore			BSS	02-Jul			Vizag(1-13, 1-12), Mumbai(1-13), Chennai(1-13), Krishnapm(1-13)	Currently at Vizag.. Previously called at Singapore Bunker, Indonesia, Japan, Singapore Bunker, Mumbai, Chennai, Fujairah, Pakistan, Singapore Bunker, Indonesia, Krishnapm, Singapore Bunker	EXIM Sea-web
446	23-06-2013	Vizag	FOUR NABUCCO	9450650	Iron ore	333500	E	Vizag	China	34,403	1530	14	25	G	Gulf- Red Sea/ India	Singapore	Singapore	Krishnapatnam		Sree Binni	26-Jun			Vizag(1-13), Mumbai(1-11)	Sailed to Krishnapm.. Previously called at Singapore Bunker, China, Singapore Bunker, Bangladesh, Canary Islands, DS(UK), Lithuania, Netherlands, Antwerp, DS(UK)	EXIM Sea-web
447	01-07-2013	Vizag	VISHVA NIDHI	9464742	Coking Coal	250000		Gladstone (AUS)	Vizag	57,144		13.5	30.5	G	Gulf- Red Sea/ India	Singapore	Singapore	Haldia		SAIL	02-Jul	06-Jul	98	Haldia(1-13), Vizag(1-13), Tuticorin(1-13, 1-12), Mumbai(1-12),	Sailed to Haldia.. Previously called at Singapore Bunker, Gladstone(AUS), China, Singapore Bunker, Maputo, Port Louis, Tuticorin, Singapore, China, Singapore bunker, Mumbai, Tuticorin	EXIM Sea-web
448	29-06-2013	Vizag	SEAS EMERALD	9573833	Maize	250000	E	Vizag		28,193	1538	14	23	G	Gulf- Red Sea/ India	Singapore	Singapore			IOS	18-Jun			Vizag(1-13), Kandla(1-12), Mundra(1-12), Tuticorin(1-12)	Currently at Vizag. Previously called at Singapore, China, NewZealand, Bunbury(AUS), Singapore, Vietnam, Brisbane(AUS)	EXIM Sea-web
449	01-07-2013	Vizag	VISHVA PRITI	9553490	Coking Coal	487960		Hay Point(AUS)	Vizag	80,250	2430	14	36	GL	Gulf- Red Sea/ India	Singapore	Singapore	Haldia		SAIL	02-Jul	03-Jul	37	Paradip(1-13), Haldia(1-13), Vizag(1-13), Mundra(1-13)	Sailed to Haldia, Paradip.. Previously called at Singapore, HayPoint(AUS), China, Singapore Bunker, Brazil, Mundra	EXIM Sea-web
450	02-07-2013	Vizag	TANGITTE OASIS	9461972	Maize	250000	E	Vizag		34,000		14		G	Gulf- Red Sea/ India	Freemantle(AUS)	Gangavaram			IOS				Gangavaram(1-13), Vizag(1-13)	Currently at Vizag.. Previously called at Gangavaram, Freemantle(AUS), Hedland(AUS), China	EXIM Sea-web
451	08-07-2013	Vizag	TAY SON 5	9355599	Maize	126000	E	Vizag		13,286		13		G	South East Asia	Singapore	Singapore			Lotus				Kakinada(1-13, 1-12), Kandla(1-11), Pipavav(1-12)	Underway.. Previously called at Singapore, Indonesia, Malaysia, Kakinada, Chittagong, Malaysia, Kakinada, Malaysia, Singapore, Malaysia	EXIM Sea-web
452	27-06-2013	Jaigarh	[redacted]	9304198	Coking Coal	300000			Jaigarh	76,830	2470	14	35	GL	East - South Africa / India	Mozambique	Mozambique			GAC				Vizag(1-08)	Underway.. Previously called at Mozambique, Colombo, Trincomalee, Singapore Bunker, Vancouver(CAN), South Korea, Panama, Plaquemines(USA)	EXIM Sea-web
453	30-06-2013	Jaigarh	VENUS HORIZON	9604852	Steam Coal	825000		Indonesia	Jaigarh	95,755	3748	14	42	GL	Gulf- Red Sea/ India	Singapore	Singapore			Hiralal & CO	01-Jul	05-Jul	80	Jaigarh(1-13), Krishnapm(1-12)	Sailed from Jaigarh.. Previously called at Singapore Bunker, Indonesia, Taiwan, Singapore Bunker, Brazil, China	EXIM Sea-web
454	24-06-2013	Magdalla	[redacted]	9481219	Iron ore	960000		Vizag	Magdallah	1,06,590	2836	14.5		GL	Gulf- Red Sea/ India		Mumbai	Vizag		ELL	21-Jun	21-Jun		Mutiple calls	Sailed to Vizag.. Previously called at Mumbai, Vizag, Magdalla, Vizag, Magdalla, Vizag, Magdalla	EXIM Sea-web
455	24-06-2013	Magdalla	[redacted]	9460722	Coal	550000		Indonesia	Magdallah	57,320		13.5	30.5	G	Gulf- Red Sea/ India	Singapore	Mumbai	Mina Saqr	Mina Saqr	Taurus Shipping	23-Jun	27-Jun	95	Magdalla(1-13), Mumbai(1-13), Porbandar(1-13), Krishnapm(1-12), NewMore(1-12), Tuticorin(1-12), Paradip(1-12)	Sailed to Mina Saqr, Fujairah. Sailed to Vizag 10/07.. Previously called at Mumbai, Singapore Bunker, Indonesia, Taiwan, China, Singapore Bunker, Porbander, Singapore Bunker, Chittagong	EXIM Sea-web
456	26-06-2013	Porbender	ANNA MEETA		Coal	349500			Porbandar											Scorpio Shipping					Also calling at Pipavav 17/06 Coal Discharge	EXIM Sea-web
457	24-06-2013	Tuticorin	LUMOSO JAYA	9244283	Coal		I	Indonesia	Tuticorin	53,023	1770	14	29	G	South East Asia	Singapore	Singapore	Singapore	Singapore	SPS	26-Jun	29-Jun	84	Tuticorin(1-13), Paradip(1-13), Vizag(1-13), Krishnapm(1-12)	Sailed to Singapore.. Previously called at Singapore Bunker, Indonesia, China, Indonesia, Singapore Bunker, Paradip, Singapore Bunker, Indonesia	EXIM Sea-web
458	24-06-2013	Kakinada	WIZ SKY	9181586	Maize		E	Kakinada	Indonesia	8,932		16		G	South East Asia	Colombo	Colombo	Singapore	Singapore	IOS	12-Jun	12-Jun		Kakinada(1-13), Chennai(1-09)	Sailed to Singapore.. Previously called at Colombo, Singapore, South Korea, Russia, South Korea, China, Indonesia, Malaysia, Singapore, Taiwan	EXIM Sea-web
459	24-06-2013	Kakinada	SILVRETTA	9276779	Rice		E	Kakinada		29,721		14	23	G	Gulf- Red Sea/ India	Canary Islands	Krishnapatnam			IOS	15-Jun			Kakinada(1-13, 1-12), Krishnapm(1-13), Vizag(1-12)	Currently at Kakinada.. Previously called at Krishnapm, Canary Islands DS(UK), Denmark, St Pburg(RUS), Belfast(UK), Ireland, Argentina, Uruguay, Argentina, Ivory Coast, Turkey	EXIM Sea-web
460	24-06-2013	Kakinada	[redacted]	9413688	Maize		E	Kakinada	Malaysia	6,544	410	13		G	South East Asia	Chittangong	Chittangong	Johor(Malaysia)	Johor(Malaysia)	IOS	20-Jun	26-Jun	140	Kakinada(2-13), Kolkata(1-13), Haldia(1-13), Vizag(1-13, 1-12), Kandla(1-12)	Sailed to Malaysia. Previously called at Chittagong, Malaysia, Indonesia, Kakinada, Kolkata, Haldia, Malaysia, Vietnam, Malaysia, Myanmar, Kolkata, Malaysia	EXIM Sea-web
461	24-06-2013	Kakinada	TAN BINH 26	9016167	Maize		E	Kakinada	Vietnam	7,194		13		G	South East Asia	Singapore	Singapore			Sri Srinivasa					Underway.. Update Needed	EXIM Sea-web
462	24-06-2013	Kakinada	[redacted]	9573268	Maize		E	Kakinada	Vietnam	7,204		10		G	Gulf- Red Sea/ India	Chittangong	Chittangong			Benline Agency				Gangavaram(1-13), Kolkata(1-13), Kakinada(1-13)	Currently at Kakinada.. Previously called at Chittagong, Gangavaram, Kolkata, Singapore, Malaysia, Kakinada, Singapore, Malaysia, Vietnam	EXIM Sea-web
463	24-06-2013	Paradip	CMB MAXIME	9425875	Iron ore		E	Paradip	China	57,982	2249	14	32	G	Far East	Suez	Vizag	Singapore	Singapore	J.M. Baxi	15-Jun	17-Jun	49	Paradip(1-13), Vizag(1-13), Mormugao(1-11), Magdalla(1-11)	Sailed to Singapore Bunker, China.. Previously called at Vizag, Suez, Malta, DS(UK), Denmark, Latvia, Lpool(UK), DS(UK), Netherlands	EXIM Sea-web
464	24-06-2013	Paradip	NORD FORTUNE	9442926	Coking Coal		I	Hay Point(AUS)	Paradip	76,596	2970	14	35	GL	Gulf- Red Sea/ India	Singapore	Singapore			PMA	21-Jun	27-Jun		Paradip(1-13), NewMore(1-10), Vizag(1-10)	Sailed from Paradip 27/06.. Previously called at Singapore Bunker, HayPoint(AUS), Weipa(AUS), China, Wallaroo(AUS), Japan, Taiwan, Singapore Bunker	EXIM Sea-web
465	24-06-2013	Paradip	GOLDEN TRADER II	9567154	Steam Coal		I	Indonesia	Paradip	79,516	3070	14	39	GL	Gulf- Red Sea/ India	Singapore	Singapore			GAC	22-Jun	27-Jun	106	Paradip(1-13), Karaikal(1-12)	Sailed from Paradip 27/06.. Previously called at Singapore Bunker, Indonesia, Singapore Bunker, Uruguay, Argentina, Uruguay, Argentina, HayPoint(AUS), Taiwan, Brazil	EXIM Sea-web
466	24-06-2013	Paradip	MARITIME PUTIAN	9227704	Coking Coal		I	Kembla(AUS)	Paradip	73,652	2800	14	34	G	South East Asia	Singapore	Singapore	Singapore	Singapore	Infinity	14-Jun	20-Jun	155	Paradip(1-13, 1-12), Vizag(1-13, 1-12), Mumbai(1-12)	Sailed to Singapore Bunker... Previously called at Singapore Bunker, Kembla(AUS), China, Indonesia, China, Gerladton(AUS), China, Vizag, Paradip	EXIM Sea-web
467	24-06-2013	Paradip	ENDEAVOUR STRAIT	9488578	Steam Coal		I	Indonesia	Paradip	56,806		14	34	G	South East Asia	Singapore	Singapore	Singapore	Singapore	Infinity	15-Jun	28-Jun	295	Paradip(1-13), Ennore(1-12), Vizag(1-11)	Sailed to Singapore Bunker...Previously called at Singapore Bunker, China, Indonesia, Singapore Bunker, Chittagong, Singapore, Canada, South Korea, China, Singapore Bunker, Cape Town	EXIM Sea-web
468	24-06-2013	Paradip	EVER EXCELLENT	9182174	Coking Coal		I	Hay Point(AUS)	Paradip	73,965	2250	14	31.5	GL	Gulf- Red Sea/ India	Singapore	Singapore	Vizag		DEBLINES	15-Jun	27-Jun	287	Vizag(1-13), Paradip(1-13), Cochin(1-13), Kandla(1-13)	Sailed to Vizag.. Previously called at Singapore Bunker, HayPoint(AUS), China, Singapore Bunker, RB, Durban, RB, Cochin, Kandla, Singapore Bunker	EXIM Sea-web
469	24-06-2013	Paradip	INGRID C	9546112	Steam Coal		I	Indonesia	Paradip	57,000		14	34	G	Gulf- Red Sea/ India	Singapore	Singapore	Kakinada		Navship	18-Jun	29-Jun	261	Kakinada(1-13, 1-12), Paradip(1-13), Kandla(1-12), Tuticorin(1-11), Mormugao(1-10)	Sailed to Kakinada.. Previously called at Singapore, Indonesia, Suez, Turkey, Russia, Turkey, Suez, Jeddah, Fujairah, Oman, Fujairah, Bandar Abbas, Fujairah, Suez	EXIM Sea-web
470	24-06-2013	Paradip	[redacted]	9353668	Steam Coal		I	Indonesia	Paradip	53,840		14	32.5	G	South East Asia	Singapore	Singapore			SCC	19-Jun			Paradip(1-13), Kandla(1-13), Tuticorin(1-13), Vizag(1-17), Haldia(12) Multiple India calls 2012	Currently at Paradip.. Previously called at Singapore Bunker, Indonesia, China, Indonesia, Kandla, Tuticorin, Vizag, Tuticorin, Haldia, Tuticorin	EXIM Sea-web
471	24-06-2013	Paradip	STX DYNAMIC	9625243	Steam Coal		I	Indonesia	Paradip	81,169	2520	14	39	G	Gulf- Red Sea/ India	Singapore	Singapore	HAldia		NK	26-Jun	01-Jul	123	Paradip(1-13), Krishnapm(1-13)	Sailed to Haldia.. Previously called at Singapore, Indonesia, China, Singapore Bunker, Brazil, Namibia, Krishnapm, Singapore Bunker	EXIM Sea-web
472	24-06-2013	Paradip	ATRO-5	9119971	Iron ore	431000	E	Paradip	China	46,664	1860	14	27	G	South East Asia	Chittangong	Vizag	Singapore	Singapore	BSS	23-Jun	26-Jun	70	Paradip(1-13, 1-12), Vizag(1-13), Haldia(1-13), Gangavaram(1-12)	Sailed to Singapore, China.. Previously called at Vizag, Chittagong, Singapore Bunker, China, Singapore Bunker, Indonesia, Singapore, Japan, China, Singapore, Haldia	EXIM Sea-web
473	26-06-2013	Jamnagar	MANILA		Coal	400000			Paradip											Alfalal						EXIM Sea-web
474	26-06-2013	Ennore	[redacted]	9311165	Coal		I	Indonesia	Ennore	82,379	2379	14	35.5	G	South East Asia	Singapore	Singapore	Singapore	Singapore	Seatrans	23-Jun	26-Jun	60	Ennore(1-13), Okha(1-13), Mumbai(1-13, 1-12), Krishnapm(1-13)	Sailed to Singapore, Indonesia.. Previously called at Singapore Bunker, Indonesia, China, Singapore Bunker, China, Mumbai, Singapore Bunker, Indonesia, Krishnapm, Singapore Bunker, Indonesia	EXIM Sea-web
475	26-06-2013	Kakinada	[redacted]	9575151	Coal	601100			Paradip	63,500	2030	14	30	G	Gulf- Red Sea/ India	Suez	Paradip			BSS	24-Jun			Kakinada(1-13), Paradip(1-13), Sangavaram(1-13), Sikka(1-12)	Currently at Kakinada.. Previously called at Paradip, Gangavaram, Suez, Malta, DS(UK), Denmark, Lithuania, Germany, Norway, Grance, DS(UK), Canary Islands, China, Port Elisabeth(SA), RB	EXIM Sea-web
476	26-06-2013	Kakinada	NEW LEADER	9121924	Coal	699500		Indonesia	Paradip	72,072	2244	14	30	GL	Gulf- Red Sea/ India	Singapore	Singapore			Esskay	25-Jun			Kakinada(1-13), Kandla(1-13), Mundra(1-12), Krishnapm(1-12)	Currently at Kakinada.. Previously called at Singapore Bunker, Indonesia, HK, Indonesia, Philippines, Taiwan, Russia, China, Singapore Bunker, Fujairah, Kandla, Iran, Kuwait	EXIM Sea-web
477	26-06-2013	Paradip	AMIS WISDOM 1	9426764	Coking Coal	599800		Hay Point(AUS)	Paradip	61,411		14.5	32	G	South East Asia	Singapore	Singapore	Indonesia	Indonesia	NK				Haldia(2-13, 1-12), Paradip(1-13), Vizag(1-13), Tuticorin(1-12), Mormugao(1-11)	Sailed to Haldia, Indonesia.. Previously called at Singapore Bunker, HeyPoint(AUS), China, Singapore Bunker, Vizag, Haldia, Singapore Bunker, HayPoint(AUS)	EXIM Sea-web

478	28-06-2013	Paradip	[redacted]	9621330	Steam Coal	783309		Indonesia	Paradip	81,177	2580	14	33	G	Gulf- Red Sea/ India	Singapore	Singapore			NK	09-Jul			Paradip(1-13), Mumbai(1-13, 1-12), Krishnapm(1-13), Ennore(1-13), Haldia(1-13), Kakinada(1-12)	Currently at Paradip... Previously called at Singapore Bunker, Mumbai, Singapore Bunker, Krishnapm, Indonesia, Singapore Bunker, Ennore, Singapore Bunker, Haldia	EXIM Sea-web
479	27-06-2013	Bhavnagar	SEA MIRON	8906846	Coal	356580			Bhavanagar	42,025	1422	13	29	G	South East Asia					-					Update Needed	EXIM Sea-web
480	27-06-2013	Magdalla	ARIZONA	9592733	Iron ore	539600		Paradip	Magdallah	56,969	2400	14	34	G	Gulf- Red Sea/ India	Jeddah	Paradip	Fujairah	Fujairah	YLL	19-Jun	04-Jul	355	Magdalla(1-13), Paradip(1-13), Krishnapm(1-13)	Sailed to Fujairah, Dammam. Previously called at Paradip, Jeddah, Jordan, Jeddah, Djibouti, Krishnapm, Chittagong, Brazil, Canada, Brazil, Nigeria, Brazil	EXIM Sea-web
481	27-06-2013	Magdalla	[redacted]	9625815	Coal	550000		Indonesia	Magdallah	57,399	2087	13.5	31	G	Gulf- Red Sea/ India	Singapore	Singapore	Kandla	Singapore	Taurus Shipping	27-Jun	01-Jul	100	Kandla(1-13, 1-12), Magdalla(2-13), Vizag(1-13), Haldia(1-13), Dhamra(1-13), NewMore(1-12)	Sailed to Kandla, Singapore.. Previously called at Singapore Bunker, Indonesia, China, Singapore Bunker, Vizag, Haldia, Dhamra, Singapore Bunker, KeyPoint(AUS), South Korea, China, Singapore Bunker, Magdalla	EXIM Sea-web
482	01-07-2013	Bhavnagar	THEOMETOR	9595759	Coal	345020		Indonesia	Bhavanagar	55,695		14	32	G	Gulf- Red Sea/ India	Singapore	Dahej			-				Dahej(1-13), Kandla(1-13), Bhavnagar(1-13)	Sailed 11/07 to Bhavnagar, underway.. Previously called at Dahej, Singapore Bunker, China, Iran, Kandla, Singapore Bunker, China, Singapore, Bandar Abbas, Dammam, Sharjah	EXIM Sea-web
483	06-05-2013	Pipavav	CHRISTINA IV	9189770	Coal				Pipavav	72,493	2245	14	31.5	GL	East - South Africa / India					Scorpio Shipping					Update Needed. At Santos	EXIM Sea-web
484	09-05-2013	Pipavav	[redacted]	9613410	Coal			Richards Bay	Pipavav	56,512	2410	14.5	32.5	G	Far East	Richards Bay	Richards Bay	Richards Bay	Richards Bay	Divine Shipping	10-Jun	12-Jun	61	Pipavav(3-13, 2-12), Forbandar(1-13), Mumbai(1-12), Krishnapm(1-12)	Returned 07/06 Coal discharge.. Sailed to RB.. Previously called at RB, Pipavav, RB, Porbandar, Singapore, Indonesia, Singapore Bunker, Oman, Pipavav, RB, Pipavav, RB	EXIM Sea-web
485	11-05-2013	Pipavav	MOONBEAM	9403987	Coal			Indonesia	Pipavav	58,138		14	32	G	Far East	Singapore	Singapore	Mumbai	Mina Saqr	Overseas	10-May	10-May		Mumbai(1-13), Pipavav(1-13), Vizag(1-13)	Sailed to Mumbai, MinaSaqr, Fujairah, Kenya, Maputo, Singapore Bunker, China.. Previously called at Singapore, Indonesia, HK, China, HK, Singapore Bunker, Maputo, Vizag, Singapore Bunker, China	EXIM Sea-web
486	28-05-2013	Pipavav	[redacted]	9565170	Coal			Richards Bay	Pipavav	56,735	2405	14	34	G	Gulf- Red Sea/ India	Singapore	Singapore	Mumbai	Fujairah	Overseas	30-May	30-May	9	Mumbai(3-13), Magdalla(1-13), Pipavav(1-13), Ennore(1-13), Tuticorin(1-13), Krishnapm(1-12)	Sailed to Mumbai, Magdalla, Mumbai, Fujairah.. Previously called at Singapore Bunker, China, Singapore Bunker, RB, Maputo, Port Louis, Ennore, Singapore Bunker, Tuticorin	EXIM Sea-web
487	31-05-2013	Pipavav	[redacted]	9595761	Coal			Indonesia	Pipavav	55,698		14	32	G	South East Asia	Singapore	Singapore	Porbandar	Singapore	Scorpio Shipping	02-Jun	04-Jun	48	Okha(1-13), Porbandar(1-13), Pipavav(1-13), Mumbai(1-13), Kandla(1-12)	Sailed to Porbnadar, Okha, Singapore Bunker... Previously called at Singapore Bunker, Indonesia, China, Fujairah, Iran, Mumbai, Singapore Bunker, China, Philippines, China, HK, China, Fujairah	EXIM Sea-web
488	27-06-2013	Pipavav	[redacted]	9266097	Coal			Richards Bay	Pipavav	53,553	1940	14.5	33	G	Gulf- Red Sea/ India	Richards Bay	Richards Bay	Mina Saqr	Mina Saqr	Divine Shipping	30-Jun	30-Jun	11	Pipavav(1-13), Mumbai(1-13, 1-11), NewMore(1-12, 1-11), Vizag(1-11)	Sailed to Mina Saqr, Fujairah, DS(UK).. Previously called at RB, Kenya, Fujairah, Mina Saqr, Mumbai, Singapore Bunker, Kemble(AUS), Singapore Bunker	EXIM Sea-web
489	30-06-2013	Pipavav	[redacted]	9266190	Coal				Pipavav	50,209		14	30	G	Gulf- Red Sea/ India					IOS						EXIM Sea-web
490	05-07-2013	Tuticorin	KAVO PLATANOS	9612088	Coal	200000		Indonesia	Tuticorin	56,750		14	34	G	Gulf- Red Sea/ India	Singapore	Ennore			SWL	05-Jul			Tuticorin(1-13), Ennore(1-13), Navlakhi(1-12), Kandla(1-12)	Currently at Tuticorin.. Previously called at Ennore, Singapore Bunker, Indonesia, Singapore Bunker, Vancouver(CAN), China, Singapore Bunker, RB, Maputo	EXIM Sea-web
491	12-06-2013	Tuticorin	LUISA COLOSSUS	9420318	Coal	353561		Indonesia	Tuticorin	55,455	1930	14	32	G	Gulf- Red Sea/ India	Singapore	Singapore			AMU	12-Jun			Tuticorin(1-13), Karaikal(1-12), Chennai(1-11), Daha(1-11)	Currently at Tuticorin.. Previously called at Singapore Bunker, Indonesia, China, Singapore Bunker, Brazil, Morocco, Gibraltar, Algeria, Uruguay, Argentina	EXIM Sea-web
492	10-06-2013	Tuticorin	[redacted]		Coal	241380			Tuticorin											SWL					No data	EXIM Sea-web
493	13-05-2013	Tuticorin	[redacted]	9622679	Coal	500000			Tuticorin	81,404	2760	15	36	GL	East Coast South America					SPS					Port Mismatch. No India call	EXIM Sea-web
494	11-05-2013	Tuticorin	GIANNUTRI	9587879	Coal	550000			Tuticorin	55,680		14	32	G	Far East	Singapore	Singapore	Richards Bay	Richards Bay	MSA	10-May	14-May	101	Tuticorin(1-13), Vizag(1-12)	Called RB, Singapore Bunker, China.. Previously called at Singapore Bunker, Malaysia, Suez, Lyon(UK), DS(UK), Germany, Antwerp	EXIM Sea-web
495	06-05-2013	Tuticorin	AQUITANIA	9300491	Coal	500000		Indonesia	Tuticorin	55,932	2280	14	30	G	UK	Singapore	Karaikal	Mozambique	Mozambique	AMU	06-May	11-May	120	Tuticorin(1-13), Karaikal(1-13), Kandla(1-12), Navlakhi(1-12), Ennore(1-12)	Sailed to Mozambique, Durban, Canary Islands, DS(UK), Netherlands, DS(UK).. Previously called at Karaikal, Singapore Bunker, Indonesia, China, Singapore Bunker, Liberia, Ivory Coast, Turkey	EXIM Sea-web
496	07-05-2013	Tuticorin	BEKS HAUL	9625796	Coal	250000		Indonesia	Tuticorin	57,700	1900	14	31	G	Far East	Singapore	New Mangalore	Maputo Bay, Mozambique	Maputo Bay, Mozambique	SWL	06-May	09-May	63	Tuticorin(1-13), NewMore(1-13), Magdalla(1-13), Kandla(1-13), Haldia(1-13), Vizag(1-13), Mormugao(1-11)	Sailed to Maputo Bay, RB, Singapore Bunker, China.. Previously called at Singapore Bunker, Indonesia, Thailand, Singapore Bunker, Magdalla, Kandla, Singapore, Indonesia, Haldia, Vizag, Singapore Bunker	EXIM Sea-web
497	03-05-2013	Tuticorin	TVNIA	9232163	Coal	550000		Indonesia	Tuticorin	53,806		14	32	G	Far East	Singapore	Singapore	Durban	Durban	SPS	02-May	06-May	91	Tuticorin(1-13), Kandla(1-12), Paradip(1-12)	Sailed to Durban, Singapore Bunker, China.. Previously called at Singapore Bunker, Indonesia, China, Singapore Bunker, Iran, Dammam, Singapore, China, Singapore	EXIM Sea-web

World Coal Handling Terminals

Country	Terminal	State/Province	Operator	Annual Capacity (MMT)	Status	Type
Australia	Abbot Point Coal Terminal	south of Townsville, Queensland	Adani Group	25	Expanding	Exports
Australia	Balaclava Island Coal Terminal	north of Gladstone, Queensland	Xstrata Coal	20	Proposed	Exports
Australia	Barney Point Coal Terminal	Gladstone, Queensland		8	Existing	Exports
Australia	Brisbane Coal Terminal	Brisbane, Queensland	New Hope Corporation	18	Existing	Exports
Australia	Bunbury Berth 14	Western Australia	Lanco Infratech		Proposed	Exports
Australia	Carrington Coal Terminal	Newcastle, New South Wales	Port Waratah Coal Services	25	Existing	Exports
Australia	Dalrymple Bay Coal Terminal	south of Mackay, Queensland	DBCT Management		Existing	Exports
Australia	Derby Export Facility	Derby, Western Australia	Rey Resources	3	Proposed	Exports
Australia	Dudgeon Point Coal Terminal	Queensland	North Queensland Bulk Ports Corporation		Proposed	Exports
Australia	Fitzroy Terminal Project	Adjacent to Port Alma, Queensland		22	Proposed	Exports
Australia	Hay Point Coal Terminal	Queensland	BHP Billiton	45	Existing	Exports
Australia	Kooragang Coal Terminal	New South Wales	Port Waratah Coal Services	88	Existing	Exports
Australia	Kwinana Bulk Terminal	Western Australia			Existing	Exports
Australia	Port Anthony	Victoria			Proposed	Exports
Australia	Port Kembla Coal Terminal	New South Wales		15	Existing	Exports
Australia	Port of Gladstone	Queensland			Expanding	Exports
Australia	Port of Hastings expansion	Victoria			Expanding	Exports
Australia	RG Tanna Coal Terminal	Queensland	Queensland Ports Corporation	70	Existing	Exports

World Coal Handling Terminals

Australia	Sheep Hill Deep Water Port	Port Lincoln, South Australia		5	Proposed	Exports
Australia	Wiggins Island Coal Terminal	Queensland			Proposed	Exports
Bangladesh	Port of Mongla	Khulna Division			Existing	Exports
Canada	Deltaport Terminal	British Columbia			Existing	Exports
Canada	International Coal Pier Canada	Nova Scotia	Emera Corporation		Existing	Imports
Canada	Neptune Bulk Terminal Canada	British Columbia	Neptune Bulk Terminals		Existing	Exports
Canada	Prince Rupert Port	British Columbia	Ridley Terminals Inc.		Expanding	Exports
Canada	Roberts Bank Superport	British Columbia			Existing	Exports
Canada	Thunder Bay Coal Terminal Canada	Ontario	Thunder Bay Terminals		Existing	Domestic
Canada	Westshore Terminals	British Columbia	Westar Management Ltd.	29	Expanding	Exports
China	Fuzhou Port	Fujian province			Existing	Imports
China	Jingtang Port	Hebei province			Existing	Imports
China	Jinzhou Port	Liaoning province			Existing	Imports
China	Nantong Port	Jiangsu province	Nantong Port Group		Existing	Imports
China	Ningbo Port	Zhejiang province			Existing	Imports
China	Port of Basuo	Hainan province			Existing	Imports
China	Port of Beihai	Guangxi province			Existing	Imports
China	Port of Dalian	Liaoning province			Existing	Imports
China	Port of Dandong	Liaoning province			Existing	Imports
China	Port of Fangcheng	Guangxi Zhuange Autonomous Region			Existing	Imports
China	Port of Guangzhou	Guangdong province			Existing	Imports
China	Port of Lianyungang	Jiangsu province		21	Existing	Imports
China	Port of Qingdao	Shandong province			Existing	Imports
China	Port of Qinhuangdao	Hebei province		209	Existing	Imports
China	Port of Shanghai	Shanghai province		30	Existing	Imports
China	Port of Tianjin	Hebei province		89	Existing	Imports

World Coal Handling Terminals

China	Port of Xiamen	Fujian province	Xiamen Port Authority	10	Existing	Imports
China	Port of Yantian	Guangdong province			Existing	Imports
China	Port of Yingkou	Liaoning province			Existing	Imports
China	Port of Zhanjiang	Guangdong province			Existing	Imports
China	Port of Zhapu	Zhejiang province			Existing	Imports
China	Rizhao Port	Shandong province			Existing	Imports
China	Shantou Port	Guangdong province			Existing	Imports
China	Zhoushan Port	Zhejiang province			Existing	Imports
Colombia	Port of Barranquilla	Magdalena Department			Existing	Exports
Colombia	Port of Buenaventura	Choco	Sociedad Portuaria Regional de Buenaventura SA	1	Existing	Imports
Colombia	Puerto Bolivar coal export terminal	La Guajira Department	Cerrejon Coal Company		Existing	Exports
Colombia	Puerto De Mamonal	Bolivar Department			Existing	Exports
Colombia	Puerto Drummond coal port	Magdalena Department			Existing	Exports
Colombia	Puerto Prodeco coal port	Magdalena Department	Glenco International		Existing	Exports
Colombia	Rio Cordoba coal port	CórdobaDepartment	Vale		Existing	Exports
Colombia	Sociedad Portuaria de Santa Marta	Magdalena Department	Carbosan		Existing	Exports
Croatia	Plomin Port				Existing	Imports
India	Bedi Port	Gujarat			Existing	Imports
India	Cochin Port	Kerala		0	Existing	Imports
India	Dahanu Port	Maharashtra			Existing	Imports
India	Dahej Port	Gujarat			Existing	Imports
India	Dharamtar Port	Maharashtra			Existing	Imports
India	Ennore Port	Tamil Nadu			Existing	Imports
India	Gangavaram Port	Andhra Pradesh	Gangavaram Port Ltd.	10	Existing	Imports
India	Haji Bunder Port (MBFL)	Maharashtra	Mumbai Port Trust		Existing	Imports
India	Haldia Port	West Bengal			Existing	Imports

World Coal Handling Terminals

India	Nhava Sheva Port	Maharashtra	Jawaharlal Nehru Port Trust		Existing	Imports
India	Kakinada Port	Andhra Pradesh			Existing	Imports
India	Kandla port	Gujarat			Existing	Imports
India	Karaikal Port	Puducherry			Existing	Imports
India	Krishnapatnam Port	Andhra Pradesh			Existing	Imports
India	Magadalla Port	Gujarat			Existing	Imports
India	Mormugao Port	Goa		7	Existing	Imports
India	Muldwarka Port	Gujarat			Existing	Imports
India	Mundra Port	Gujarat	Adani Enterprises	40	Existing	Imports
India	New Mangalore Port	Karnataka			Existing	Imports
India	Okha Port	Gujarat			Existing	Imports
India	Panjim (Panaji) Port	Goa			Existing	Imports
India	Paradip Port	Orissa		20	Existing	Imports
India	Pipavev Port	Gujarat	APM Terminals		Existing	Imports
India	Porbandar Port	Gujarat			Existing	Imports
India	Port of Chennai	Tamil Nadu		15	Existing	Imports
India	Sikka Port	Gujarat			Existing	Imports
India	Trombay Coal Terminal	Maharashtra		2	Expanding	Imports
India	Tuticorin Port	Tamil Nadu		10	Existing	Imports
India	Visakhapatnam Port	Andhra Pradesh			Existing	Imports
Indonesia	Tanjung Bara Coal Terminal	East Kalimantan		27	Existing	Exports
Indonesia	Apar Bay anchorage	East Kalimantan			Existing	Exports
Indonesia	Separi barge loading facility	East Kalimantan		20	Existing	Exports
Indonesia	Bontang Coal Terminal	East Kalimantan		19	Existing	Exports
Indonesia	Balikpapan Coal Terminal	East Kalimantan	PT Bayan Resources	15	Existing	Exports
Indonesia	Tanjung Jati Coal Terminal	Central Java		14	Existing	Exports
Indonesia	North Pulau Laut Coal Terminal	South Kalimantan	Arutmin	13	Existing	Exports
Indonesia	Indonesian Bulk Terminal - South Pulau Laut	South Kalimantan			Existing	Exports

Indonesia	Suralaya coal terminal	West Java		11	Existing	Exports
Indonesia	Tarahan Coal Port	Sumatra		10	Existing	Exports
Indonesia	Muara Pantai Coal Terminal	East Kalimantan		7	Existing	Exports
Indonesia	Banjarmasin anchorage	East Kalimantan		6	Existing	Exports
Indonesia	Muara Berau/Muara Jawa Coal Terminal	East Kalimantan			Existing	Exports
Indonesia	Jorong Port	South Kalimantan		6	Existing	Exports
Indonesia	Muara Satui Barge Port	South Kalimantan			Existing	Exports
Indonesia	Samarinda anchorage	East Kalimantan		6	Existing	Exports
Indonesia	Sebuku anchorage	South Kalimantan		6	Existing	Exports
Indonesia	Paiton coal terminal	East Java			Existing	Exports
Indonesia	Port of Teluk Bayur	Sumatra		0	Existing	Exports
Indonesia	Padang, Teluk Bayur	Sumatra		4	Existing	Exports
Indonesia	Pulau Laut Coal Terminal	South Kalimantan			Existing	Exports
Indonesia	Adang Bay Port	East Kalimantan		3	Existing	Exports
Indonesia	Bengkulu Port	East Kalimantan		3	Existing	Exports
Indonesia	Cigading anchorage	West Java		3	Existing	Exports
Indonesia	Jambi, Muara Sabak coal terminal	Sumatra		3	Existing	Exports
Indonesia	Muara Banyu Asin anchorage, Palembang	Sumatra		3	Existing	Exports
Indonesia	Taboneo anchorage	East Kalimantan			Existing	Exports
Indonesia	Tanah Merah Coal terminal	East Kalimantan			Existing	Exports
Indonesia	Pulau Baai Coal Terminal	Sumatra		3	Existing	Exports
Indonesia	Satui anchorage	South Kalimantan		3	Existing	Exports
Indonesia	Tanjung Batu - Tarakan	East Kalimantan		3	Existing	Exports
Indonesia	Tanjung Pemancingan anchorage	South Kalimantan		3	Existing	Exports
Indonesia	Tarakan Coal Terminal	East Kalimantan		3	Existing	Exports
Indonesia	Tembilahan, Sungai Bankong	Sumatra		3	Existing	Exports

World Coal Handling Terminals

Indonesia	Kertapati Coal Port	Sumatra		2	Existing	Exports
Indonesia	Tuban coal terminal	Central Java		2	Existing	Exports
Mexico	Port of Guaymas	Sonora			Proposed	Exports
Mexico	Port of Lázaro Cárdenas	Michoacán			Existing	Imports
Mozambique	Beira Port	Sofala Province			Expanding	Exports
Mozambique	Maputo port	Maputo Province	Maputo Port Development Company		Proposed	Exports
Mozambique	Nacala port	Nampula Province			Proposed	Exports
Mozambique	Port of Quelimane	Zambezia Province			Proposed	Exports
Netherlands	Port of Rotterdam	South Holland		29	Existing	Imports
New Zealand	Lyttelton Port of Christchurch	Canterbury Region	Lyttelton Port Company	2	Expanding	Exports
New Zealand	Port Taranaki	Taranaki Region	Port Taranaki Limited		Existing	Exports
New Zealand	Westport Harbour	West Coast Region	Westport Harbour Limited		Proposed	Exports
Pakistan	Port Qasim	Baluchistan			Proposed	Exports
Poland	Port of Gdynia	Pomeranian	Port of Gdynia Authority SA	1	Existing	Exports
Russia	Maly Port	Primorsky Krai			Existing	Exports
Russia	Port of Murmansk	Murmansk Oblast		10	Existing	Exports
Russia	Port of Ust-Luga	Leningrad Oblast			Existing	Exports
Russia	Vanino Bulk Terminal	Khabarovsk Krai			Existing	Exports
Russia	Vostochny Port	Primorsky Krai		15	Existing	Exports
South Africa	Durban Coal Port	KwaZulu-Natal	Bluff Coal Loading Appliance		Existing	Exports
South Africa	Port of East London	East Cape Province		2	Proposed	Exports
South Africa	Richards Bay Coal Terminal	Natal Province	Richards Bay Coal Terminal Company	76	Expanding	Exports
Turkey	Zonguldak TTK Port	Turkey			Existing	Imports
Ukraine	Port of Mariupol	Kherson Oblast	Mariupol Sea Commercial Port	5	Existing	Exports

World Coal Handling Terminals

United Kingdom	Hunterston Terminal	Scotland	Clydeport		Existing	Imports
United States	Millennium Bulk Logistics Longview Terminal	Washington	Millennium Bulk Terminals	80	Proposed	Exports
United States	McDuffie Coal Terminal	Alabama		68	Expanding	Exports
United States	Gateway Pacific Terminal	Washington	SSA Marine	54	Proposed	Exports
United States	Lamberts Point Terminal	Virginia		48	Existing	Exports
United States	Port of Duluth	Minnesota		20	Existing	Domestic
United States	CNX Marine Terminal	Maryland	CONSOL Energy	12	Existing	Exports
United States	Port of Baltimore	Maryland		9	Existing	Exports
United States	Myrtle Grove Midstream Terminal	Louisiana	Kinder Morgan Energy Partners	6	Expanding	Exports
United States	Port of Houston	Texas	Kinder Morgan Energy Partners	2	Expanding	Exports
United States	Port of Green Bay	Wisconsin		1	Existing	Domestic
United States	Port of Los Angeles	California		0	Existing	Exports
United States	Burnside Terminal	Louisiana	Trafigura		Proposed	Exports
United States	Cahokia Terminal	Illinois	Kinder Morgan Energy Partners		Existing	Domestic
United States	Chesapeake Bulk Stevedores	Maryland	Kinder Morgan Energy Partners		Existing	Imports
United States	Cora (Rockwood) Terminal	Illinois	Kinder Morgan Energy Partners		Existing	Domestic
United States	Fairless Hills Terminal	Pennsylvania	Kinder Morgan Energy Partners		Existing	Imports and Exports
United States	Grand Rivers Terminal	Kentucky	Kinder Morgan Energy Partners		Existing	Domestic
United States	Kellogg Terminal	Illinois	Kinder Morgan Energy Partners		Existing	Domestic
United States	Keystone Coal Terminal	Florida	Keystone Coal Company		Proposed	Imports
United States	Keystone Terminal Ironton	Ohio	Keystone Industries		Existing	Domestic
United States	Milwaukee Bulk Terminal	Wisconsin	Kinder Morgan Energy Partners		Existing	Domestic

World Coal Handling Terminals

United States	Newport News coal terminal	Virginia			Existing	Exports
United States	Owensboro Gateway Terminal	Kentucky	Kinder Morgan Energy Partners		Existing	Domestic
United States	Pier IX	Virginia	Kinder Morgan Energy Partners		Existing	Imports and Exports
United States	Port of Coos Bay	Oregon			Proposed	Exports
United States	Port of Corpus Christi	Texas			Expanding	Exports
United States	Port of Grays Harbor	Washington			Proposed	Exports
United States	Port of Morrow	Oregon			Proposed	Exports
United States	Port of St. Helens	Oregon			Proposed	Exports
United States	Port Westward	Oregon			Proposed	Exports
United States	Seward Coal Terminal	Alaska			Expanding	Exports
United States	Shipyard River Coal Terminal	South Carolina	Kinder Morgan Energy Partners		Proposed	Imports
United States	Tampa Bay Stevedores	Florida	Kinder Morgan Energy Partners		Existing	Imports
Venezuela	Santa Cruz de Mara export terminal	Zulia	Carbones del Guasare		Existing	Exports
Vietnam	Cam Pha Port	Quang Ninh Province	Vinacomin		Existing	Exports

Upcoming Coal-Fired Power Projects India

State	Plant	Company	MW	Type	Status	Year
Andhra Pradesh	Adilabad Power Station Unit 1	Singareni Collieries	600		Construction	2012
Andhra Pradesh	Adilabad Power Station Unit 2	Singareni Collieries	600		Early	2016
Andhra Pradesh	Adilibad power station (Shalivahana Power Corp.)	Shalivahana Power Corp.	300		Uncertain	
Andhra Pradesh	Ankulapatur power station phase 1	VSF Projects	350	Supercritical	Construction	
Andhra Pradesh	Ankulapatur power station phase 2	VSF Projects	135	Supercritical	Planning	
Andhra Pradesh	Pynampuram Thermal Power Project Units 1 and 2	Thermal Powertech Corporation	1320	Supercritical	Advanced development	2014
Andhra Pradesh	Bhavanapadu Thermal Power Project (Kakarapalle)	East Coast Energy	2640	Supercritical	Deferred	
Andhra Pradesh	Bhavavipuram Cement power station	Deccan Cements	18		Construction	
Andhra Pradesh	Budele power station	Indu Projects Limited	1000		Unconfirmed	
Andhra Pradesh	Damodaram Sanjeevaiah Thermal Power Station (Krishnapatnam)	Andhra Pradesh Power Generation Corporation (APGENCO)	1600	Supercritical	Construction	2013
Andhra Pradesh	Damodaram Sanjeevaiah Thermal Power Station (Krishnapatnam) expansion	Andhra Pradesh Power Generation Corporation (APGENCO)	2400	Supercritical	Cancelled	
Andhra Pradesh	Dharmavaram power station	Nava Bharat Ventures Ltd	150		Deferred	
Andhra Pradesh	Dr. RKP Power Ankulapatur power station phases 1 and 2	Dr. RKP Power	430		Advanced development	
Andhra Pradesh	Garividi power station	Facor Power	45		Construction	
Andhra Pradesh	Gopuvanipalam Mega Thermal Power Project (Chinnapuram, Machilipatnam)	Nagarjuna Construction Company	1980	Supercritical	Unconfirmed	
Andhra Pradesh	Gudur Thermal Power Project (Momidi) Phases I and II	Pragdisa Power Private Ltd	2640	Supercritical	Planning	
Andhra Pradesh	Gunipudi power station (NBPL proposal)	Namratha Bizili Private Limited	300		Deferred	
Andhra Pradesh	Gunipudi power station (STEAPL proposal)	Suryachakra Group	1320	Ultra Supercritical	Advanced development	
Andhra Pradesh	Hindupur power station	Sheshadri Power & Infrastructure	1320		Unconfirmed	
Andhra Pradesh	Jaipur power station	Singareni Collieries	600		Construction	2013
Andhra Pradesh	Jharapudi power station	Suryachakra Group	140		Unconfirmed	
Andhra Pradesh	Kakatiya Thermal Power Project Stage-II	Andhra Pradesh Power Generation Corporation (APGENCO)	600		Construction	2012

Upcoming Coal-Fired Power Projects India

Andhra Pradesh	Kineta Power Stage I (Krishnapatnam)	Kineta Power Limited	1320	Supercritical	Advanced	
Andhra Pradesh	Kineta Power Stage II (Krishnapatnam)	Kineta Power Limited	660	Supercritical	Planning	
Andhra Pradesh	Komarada power station	Alfa Infraprop Pvt. Ltd.	2640	Supercritical	Planning	
Andhra Pradesh	Kotapally power station (SKIL Group)	SKIL Group	600		Unconfirmed	
Andhra Pradesh	Kothagudem Phase V Unit 10, Phase VI Unit 11	Andhra Pradesh Power Generation Corporation (APGENCO)	1000		Newly commissioned	2011
Andhra Pradesh	Kothagudem TPS expansion	Andhra Pradesh Power Generation Corporation (APGENCO)	800		Planning	
Andhra Pradesh	Krishnapatnam Navayuga thermal station Phase I	Navayuga Power	1320	Supercritical	Advanced development	2014
Andhra Pradesh	Krishnapatnam Navayuga thermal station Phase II	Navayuga Power	660	Supercritical	Planning	
Andhra Pradesh	Krishnapatnam Ultra Mega Power Project 1-2	Reliance Power	1320		Deferred	2013
Andhra Pradesh	Krishnapatnam Ultra Mega Power Project 3-6	Reliance Power	2640		Deferred	2015
Andhra Pradesh	Latchayapeta power station	NCS Sugars Ltd.	600		Planning	
Andhra Pradesh	Lovapalem power station	My Home Power Ltd.	1000		Unconfirmed	
Andhra Pradesh	Meenakshi Energy Thermal Power Project Phase-I	Meenakshi Energy	300		Construction	2012
Andhra Pradesh	Meenakshi Energy Thermal Power Project Phase-II	Meenakshi Energy	600		Advanced development	2013-2014
Andhra Pradesh	Meghavaram Kakarapalli power station	Meghavaram Power	450		Deferred	
Andhra Pradesh	Muthukur Mandal power station (Painampuram)	Nelcast Energy Corporation Ltd	1320	Supercritical	Early development	
Andhra Pradesh	Nagarjuna Construction Company Sompeta Thermal Plant	Nagarjuna Construction Company	2640		Deferred	
Andhra Pradesh	NCC Vamsadhara Mega Power Project	Nagarjuna Construction Company	1960		Unconfirmed	
Andhra Pradesh	Ontimavadi power station	GMR Energy	6300		Planning	
Andhra Pradesh	Paloncha power station expansion #1	Nava Bharat Ventures Ltd	150		Construction	
Andhra Pradesh	Paloncha power station expansion #2	Nava Bharat Ventures Ltd	150		Planning	
Andhra Pradesh	Pegadapalli (Jaipur Mandal) power station	Singareni Collieries	600		Construction	

Upcoming Coal-Fired Power Projects India

Andhra Pradesh	Pentakota power station	Namratha Bizili Private Limited	150		Deferred	
Andhra Pradesh	Pentakota power station (Srinivasam Energy)	Srinivasam Energy Limited	1320	Supercritical	Unconfirmed	
Andhra Pradesh	Pudimadaka Ultra Mega Power Project	NTPC	4000	Supercritical	Advanced	
Andhra Pradesh	Ramagundam Stage-IV	NTPC	1000		Early	
Andhra Pradesh	Rayalaseema Thermal Power Project Stage-III (Unit 5)	Andhra Pradesh Power Generation Corporation (APGENCO)	210		Newly commissioned	2010
Andhra Pradesh	Rayalaseema Thermal Power Project Stage-IV (Unit 6)	Andhra Pradesh Power Generation Corporation (APGENCO)	600		Construction	2014
Andhra Pradesh	Saggonda power station	Andhra Sugars	120		Planning	
Andhra Pradesh	Sattupally Thermal Power Station	Andhra Pradesh Power Generation Corporation (APGENCO)	600		Early development	
Andhra Pradesh	Sigma Infrarop power station (Khamman)	Sigma Infrarop Ltd	2640		Unconfirmed	
Andhra Pradesh	Simhadri power station units 3 and 4	NTPC	1000		Newly	2011,
Andhra Pradesh	Sompeta power station (Suryachakra)	Suryachakra Group	1200		Unconfirmed	
Andhra Pradesh	Sree Siva Satyadeva Power Plant	Sree Siva Satyadeva Power Plant Pvt.	2000		Cancelled	
Andhra Pradesh	Sri Damodaram Sanjeevaiah (Krishnapatnam) Thermal Power Station	Andhra Pradesh Power Generation Corporation (APGENCO)	1600		Construction	2012
Andhra Pradesh	Srikakulam Thermal Power Station	Andhra Pradesh Power Generation Corporation (APGENCO)	2400		Early development	
Andhra Pradesh	Thamminapatnam power station (Simhapuri) Phase I Unit 1	Simhapuri Energy	150	Subcritical	Newly commissioned	2012
Andhra Pradesh	Thamminapatnam power station (Simhapuri) Phase I Unit 2	Simhapuri Energy	150	Subcritical	Newly commissioned	2012
Andhra Pradesh	Thamminapatnam power station (Simhapuri) Phase-II	Simhapuri Energy	300	Subcritical	Construction	2012
Andhra Pradesh	Thamminapatnam power station (Simhapuri) Phase-III	Simhapuri Energy	1320	Supercritical	Advanced development	2013
Andhra Pradesh	Uppada power station	Spectrum Power Generation	1320		Cancelled	
Andhra Pradesh	Vadarevu Ultra Mega Power Project Stages II-III	Andhra Pradesh Power Generation Corporation (APGENCO)	2400		Planning	
Andhra Pradesh	Varadevu Ultra Mega Power Project Stage I	Andhra Pradesh Power Generation Corporation (APGENCO)	1600		Early development	

Upcoming Coal-Fired Power Projects India

Andhra Pradesh	VBF Ferro Alloys Bodepalli plant	VBC Ferro Alloys	120		Planning	
Andhra Pradesh	Vijayawada Thermal Power Station (IGCC)	Andhra Pradesh Power Generation Corporation (APGENCO)	182	IGCC	Early development	2014
Andhra Pradesh	Vijayawada Thermal Power Station expansion	Andhra Pradesh Power Generation Corporation (APGENCO)	800		Planning	
Andhra Pradesh	Vikas Power thermal plant	Vikas Power	540		Planning	
Andhra Pradesh	Vizag Thermal Power Plant	Hinduja National Power Corporation	1040		Construction	2013
Andhra Pradesh	Welspun Andhra Pradesh project	Welspun Energy	1320	Supercritical	Early	
Assam	Bongaigaon power station Stage I	NTPC	750		Construction	
Assam	Bongaigaon power station Stage II	NTPC	250		Planning	
Assam	Borgolai power station	Assam Power Projects Development Company Ltd	250		Planning	
Assam	Margherita power station	NEEPCO and APGCL	480		Planning	
Assam	Naitor power station	Globe Power & Steel	1320	Supercritical	Planning	
Bihar	Banka Power Project	Abhijeet Group	3960	Supercritical	Uncertain	2014
Bihar	Barauni power station expansion	Bihar State Electricity Board	500		Early	2014
Bihar	Barh I power station	NTPC	1980		Construction	
Bihar	Barh II power station	NTPC	1320	Supercritical	Construction	
Bihar	Bhagalpur Power Project	Ganga Power & Natural Resources	2640		Early	
Bihar	Buxar Thermal Power Station (Chausa)	Buxar Bijlee Company	1320		Early	2016
Bihar	Indragacchi power station	India Power Corporation	1320	Supercritical	Early	2015
Bihar	Jagdishpur power station Stage 1	AES India	1320		Early	2016
Bihar	Jagdishpur power station Stage 2	AES India	1320		Planning	
Bihar	Kahalgaon power station (Cement Manufacturing Co.)	Cement Manufacturing Company Ltd.	500		Cancelled	
Bihar	Kahalgaon power station (East-West Power)	East-West Power Generation Co. Ltd.	1000		Cancelled	
Bihar	Kahalgaon power station (Sarvottam)	Sarvottam Infrastructure	540		Cancelled	
Bihar	Kahalgaon Super Thermal Power Plant St-III Extension	NTPC	500		Planning	
Bihar	Kiul Thermal Power Project (Lakhisarai)	Mirach Power Pvt. Ltd	1320		Planning	
Bihar	Kochar power station	Triton Energy Ltd.	1320		Planning	
Bihar	Lakhisarai power station (SPML)	SPML	1200		Planning	

Upcoming Coal-Fired Power Projects India

Bihar	Lakhisarai Thermal Power Station (Kajara)	Lakhisarai Bijlee	1320		Advanced	2016
Bihar	Meherpur power station	Usha Martin	1200		Uncertain	
Bihar	Muzaffarpur power station extension	Bihar State Electricity Board	390		Construction	2013
Bihar	Nabinagar (Majhiyan) Super Thermal Power Project	Nabinagar Power Generating Company	1980	Supercritical	Advanced development	2016
Bihar	Nabinagar Thermal Power Project	NTPC and Ministry of Railways	1000		Construction	
Bihar	Pirpainti power station (CESC)	CESC	2000		Early	2017
Bihar	Pirpainti power station (Essar)	Essar Energy	1800		Deferred	
Bihar	Pirpainti Thermal Power Station	Pirpainti Bijlee Company	1320		Early	2016
Bihar	Prabhawati Nagar power station	Arrissan Power Limited	1320		Early	
Bihar	Sirdala power station	Global Powmin	2640		Early	2014
Chhattisgarh	Akaltara Ultra Mega Power Project	Akaltara Power	4000		Cancelled	
Chhattisgarh	Amarkantak Thermal Power Project phase I (Pathadi) unit 2	Lanco	300		Newly commissioned	2010
Chhattisgarh	Amarkantak Thermal Power Project phase II (Pathadi) units 3 and 4	Lanco	1320	Supercritical	Construction	2013, 2014
Chhattisgarh	Amoda power station	DCM Shriram Consolidated	600		Early	
Chhattisgarh	Arasmeta Expansion Power Plant	KSK Energy Ventures	43		Construction	
Chhattisgarh	Athena Chhattisgarh power station	Athena Chhattisgarh Power Limited	1200		Construction	2014
Chhattisgarh	Avantha Bhandar power station Unit 1	Avantha Power and Infrastructure	600		Construction	2013
Chhattisgarh	Avantha Bhandar power station Unit 2	Avantha Power and Infrastructure	600		Early	
Chhattisgarh	BALCO Korba power station expansion	Bharat Aluminium Company	600		Construction	2013-2014
Chhattisgarh	BALCO Korba power station expansion	Bharat Aluminium Company	600		Construction	
Chhattisgarh	Balpur power station	Jain Energy	1200		Early	
Chhattisgarh	Baradarha power station	DB Power	1200		Construction	2013
Chhattisgarh	Bhaiso power station (Janjgir-Champa) Phase 1	KVK Power & Infrastructure Pvt. Ltd.	600		Early development	
Chhattisgarh	Bhaiso power station (Janjgir-Champa) Phase 2	KVK Power & Infrastructure Pvt. Ltd.	600		Planning	
Chhattisgarh	Bhaiyathan Thermal Power Project	Indiabulls Power and Chhattisgarh State Power Generation Company	1320		Early development	2013
Chhattisgarh	Bhandhakhar power station	Maruti Clean Coal and Power	300		Construction	2013
Chhattisgarh	Bhengari power station	Mahavir Global Coal Limited (MGCL)	540		Planning	

Upcoming Coal-Fired Power Projects India

Chhattisgarh	Bhushan Steel Chhattisgarh project	Bhushan Steel	1000		Planning	
Chhattisgarh	Birra Thermal Power Project	Moser Baer Power & Infrastructures	1320		Early	
Chhattisgarh	BLA Chhattisgarh power station	BLA Power	540		Cancelled	
Chhattisgarh	Bunji Bundeli Thermal Power Project	Chhattisgarh State Power Generation	500		Early	
Chhattisgarh	Chakabura power station expansion unit 1	ACB (India)	135	Subcritical	Newly	2011
Chhattisgarh	Chakabura power station expansion unit 2	ACB (India)	135	Subcritical	Construction	2012
Chhattisgarh	Champa Adhunik power station	Adhunik Power and Natural Resources	1320		Planning	
Chhattisgarh	Champa Power Project	ACB (India)	1200		Early	
Chhattisgarh	Chandan Nagar power station	IFFCO Chhattisgarh Power	1000		Planning	
Chhattisgarh	Chhattisgarh GMR power station Phase I	GMR Energy	1370		Advanced	2014
Chhattisgarh	Chhattisgarh GMR power station Phase II	GMR Energy	685		Early	2015
Chhattisgarh	Dhardai power station	JSW ISPAT Steel	1200		Unconfirmed	
Chhattisgarh	Facor Power Chhattisgarh power project	Facor Power	600	Supercritical	Early	
Chhattisgarh	Godhna power station	Karnataka Power Corporation	1600		Planning	
Chhattisgarh	Gorra Thermal Power Plant	Patni Power Projects	540		Planning	
Chhattisgarh	IFFCO-CSPGCL Thermal Power Project	Chhattisgarh State Power Generation	1320		Early	
Chhattisgarh	Janjgir power station	Karnataka Power Corporation	1200		Planning	2013
Chhattisgarh	Kasaipalli power station	Aryan Coal Benefications	270		Newly	2011-2012
Chhattisgarh	Khamhar power station	AES Chhattisgarh Energy	1440		Planning	
Chhattisgarh	Korba III power station	NTPC	500		Newly	2010
Chhattisgarh	Korba South Thermal Power Project Unit 1 and Unit 2	Chhattisgarh State Power Generation Company	1000		Early development	2014
Chhattisgarh	Korba West (Hasdeo Thermal Power Station) Extension	Chhattisgarh State Power Generation Company	500		Construction	2013
Chhattisgarh	KSK Mahanadi Power Project Units 1-4	KSK Energy Ventures	2400		Construction	2013,
Chhattisgarh	KSK Mahanadi Power Project Units 5-6	KSK Energy Ventures	1200		Planning	
Chhattisgarh	KSK Narmada Power Project	KSK Energy Ventures	1800		Early	
Chhattisgarh	Kukurda power station	JSW Energy	1320	Supercritical	Early	
Chhattisgarh	Kukurda power station	JSW Energy	1320	Supercritical	Advanced	
Chhattisgarh	Lanco Chhattisgarh Thermal Power Project	Lanco	2000		Planning	
Chhattisgarh	Lara Integrated Thermal Power Project 1-2	NTPC	1600	Supercritical	Advanced	2014
Chhattisgarh	Lara Integrated Thermal Power Project 3-4	NTPC	1600	Supercritical	Planning	2015

Upcoming Coal-Fired Power Projects India

Chhattisgarh	Lara Integrated Thermal Power Project 5	NTPC	800	Supercritical	Planning	2016
Chhattisgarh	Marwa power station	Chhattisgarh State Power Generation	1000		Construction	2013
Chhattisgarh	Moser Baer Captive Power Project	Moser Baer Power & Infrastructures and PTC India	150		Early development	
Chhattisgarh	Pathadi power station	Lanco and KVK	1320		Construction	
Chhattisgarh	Raigarh Power Project (TRN/ACB)	ACB (India)	600		Construction	2014
Chhattisgarh	Raigarh power station (SKS Ispat)	SKS Ispat and Power	1200		Construction	2014-2015
Chhattisgarh	Raigarh Project (Jindal)	Jindal Power	1320	Supercritical	Advanced	
Chhattisgarh	Raigarh project (VISA Power)	VISA Power	1200		Advanced	2013
Chhattisgarh	Raikheda power station	GMR Energy	1370	Supercritical	Construction	2014
Chhattisgarh	Ratija Power Project Phase I	ACB (India)	50	Subcritical	Construction	2012
Chhattisgarh	Ratija Power Project Phase II	ACB (India)	50	Subcritical	Early	
Chhattisgarh	Sapnai power station	Topworth Energy	1260		Early	
Chhattisgarh	Sapos power station (BEC Power)	BEC Power	500		Early	
Chhattisgarh	Sapos power station (Suryachakra)	Suryachakra Group	1320	Ultra Supercritical	Advanced development	
Chhattisgarh	Sipat I power station expansion, units 1, 2, and 3	NTPC	1980	Supercritical	Newly commissioned	2011, 2012
Chhattisgarh	Surguja Ultra Mega Power Project	not selected	4000		Uncertain	
Chhattisgarh	SV Power project (Renki) phase II	KVK	300		Early	
Chhattisgarh	Tamnar II Project	Jindal Power	2400	Subcritical	Construction	2014-2015
Chhattisgarh	Uchpinda power station	RKM Powergen Private Limited	1440		Construction	2013-2014
Gujarat	Akrimota Power Project expansion	Gujarat Mineral Development	250		Unconfirmed	
Gujarat	Amreli power station	Avantha Power and Infrastructure	1320	Supercritical	Planning	2016
Gujarat	Bhadreshwar power station (OPG)	OPG Power Ventures	300		Deferred	
Gujarat	Bhadreshwar Thermal Power Project (Adani)	Adani Power	3300		Planning	
Gujarat	Bharuch DCM power station	DCM Shriram Consolidated	48		Planning	
Gujarat	Bhavnagar power station	Gujarat Power Corporation	500		Construction	2013
Gujarat	Bherai power station	VISA Power	1320		Early	
Gujarat	Dahej power station (JSW Energy)	JSW Energy	2400		Planning	
Gujarat	Dahej Thermal Power Project	Adani Power	2640		Deferred	
Gujarat	Dholera Power Plant	Gujarat State Electricity Corp	1600		Planning	2018

Upcoming Coal-Fired Power Projects India

Gujarat	Dhuvaran Super Thermal Power Project	NTPC	1320		Planning	
Gujarat	Gujarat Power Project (Valia)	Neyveli Lignite Corporation	500		Planning	
Gujarat	Hazira II power plant	Essar Energy	270		Construction	
Gujarat	Jamnagar Complex power station	Reliance Industries	1000		Planning	
Gujarat	Mundra Thermal Power Project (Adani) Phase I Units 1-9	Adani Power	4620	Subcritical	Newly commissioned	2009-2012
Gujarat	Okha power station	SPR Infrastructure India	2640	Supercritical	Early	
Gujarat	Pipavav power station	Torrent Power and Gujarat Power	2000		Early	
Gujarat	Salaya I power plant	Essar Energy	1200	Subcritical	Newly	2012
Gujarat	Salaya II power plant	Essar Energy	1320	Supercritical	Construction	
Gujarat	Salaya III power plant	Essar Energy	600	Circulating Fluidized Bed	Construction	
Gujarat	Sikka Thermal Power Station Units 3-4	Gujarat State Electricity Corp	500		Construction	2013
Gujarat	Simar power station	JSW Energy	1600		Cancelled	
Gujarat	Surat Lignite Ext Units 3-4	Gujarat Industries	250		Newly	2011
Gujarat	Suryachakra captive power plant	Suryachakra Group	200		Early	
Gujarat	Tata Mundra Ultra Mega Power Project 1-2	Tata Power	1600	Supercritical	Newly	2011-2012
Gujarat	Tata Mundra Ultra Mega Power Project 3-5	Tata Power	2400	Supercritical	Construction	2013
Gujarat	Ukai Thermal Power Station Unit 6	Gujarat State Electricity Corp	500		Construction	2013
Gujarat	Wanakbori Thermal Power Station Unit 8	Gujarat State Electricity Corp	800		Early	2016
Haryana	Deenbandhu Chhotu Ram Thermal Power Plant expansion	Haryana Power Generation Company	660	Supercritical	Planning	
Haryana	Indira Gandhi Super Thermal Power Project Unit 3	NTPC	500	Subcritical	Construction	2012
Haryana	Indira Gandhi Super Thermal Power Project Units 1-2	NTPC	1000	Subcritical	Newly commissioned	2011
Haryana	Jhajjar power station	CLP India	1320	Supercritical	Newly	2012
Haryana	Mahatma Gandhi Thermal Power Project Units 1 and 2	Haryana Power Generation Company	1320		Newly commissioned	2012
Haryana	Rajiv Gandhi Thermal Power Project Hisar Unit I	Haryana Power Generation Company	600		Newly commissioned	2010
Haryana	Rajiv Gandhi Thermal Power Project Hisar Unit II	Haryana Power Generation Company	600		Newly commissioned	2011

Upcoming Coal-Fired Power Projects India

Jharkhand	Baranda power station	JSW Energy	1620		Early	
Jharkhand	Bhagalpur power station	Gagan Power & Natural Resources	1320		Early	
Jharkhand	Bokaro A Thermal Power Station	Damodar Valley Corporation	500		Construction	2014
Jharkhand	Bokaro Steel City Thermal Power Station expansion	Damodar Valley Corporation	500		Planning	
Jharkhand	Chandil Singh power station	HDIL Energy	1320	Supercritical	Unconfirmed	
Jharkhand	Chandrapura power station	Damodar Valley Corporation	500		Newly	2011
Jharkhand	Chandwa Power Project Phase I	Abhijeet Group	1080	Subcritical	Construction	2013
Jharkhand	Chandwa Power Project Phase II	Abhijeet Group	675		Early	
Jharkhand	Chandwa Power Project Phase III	Abhijeet Group	660		Early	
Jharkhand	Chichro Patsimal power station	NTPC & Coal India	2000		Cancelled	
Jharkhand	Dumka power station (CESC) Phase I	CESC	600		Early	2016
Jharkhand	Dumka power station (CESC) Phase I	CESC	660		Planning	
Jharkhand	Dumka Project	Jindal Power	1300	Supercritical	Early	2014
Jharkhand	Godda Project	Jindal Power	660	Supercritical	Advanced	
Jharkhand	Gumla power station (Kamdara)	Jharkhand State Electricity Board	1320		Early	
Jharkhand	Mahadev Prasad Super Thermal Power Station stage I	Adhunik Power and Natural Resources	270	Subcritical	Newly commissioned	2012
Jharkhand	Mahadev Prasad Super Thermal Power Station stage II	Adhunik Power and Natural Resources	270		Construction	2013
Jharkhand	Mahadev Prasad Super Thermal Power Station stage III	Adhunik Power and Natural Resources	540		Planning	
Jharkhand	Jharkhand Aluminium power station	Hindalco Industries	900		Early	
Jharkhand	Jharkhand Project	Jindal Power	2640	Supercritical	Planning	
Jharkhand	Jojobera Power Plant unit 5	Tata Power	120		Newly	2011
Jharkhand	Kamdara power station	Jharkhand State Electricity Board	1320		Construction	
Jharkhand	Koderma Thermal Power Station Unit 1	Damodar Valley Corporation	500		Newly	2011
Jharkhand	Koderma Thermal Power Station Unit 2	Damodar Valley Corporation	500		Construction	2012
Jharkhand	KVK Jharkhand project	KVK Nilachal Power Pvt. Ltd.	1000		Early	
Jharkhand	Maithon Right Bank Thermal Power Station	Damodar Valley Corporation and Tata Power	1050	Subcritical	Newly commissioned	2011-2012
Jharkhand	Maithon Right Bank Thermal Power Station Phase II	Damodar Valley Corporation and Tata Power	1600	Subcritical	Early development	

Upcoming Coal-Fired Power Projects India

Jharkhand	Malaxmi Mega Thermal Power Project (Thakurbari)	Malaxmi	2640		Unconfirmed	
Jharkhand	Patratu power station (Jinbhuvish Energy)	Jinbhuvish Energy (East)	1320		Planning	
Jharkhand	Rahem power station	Gupta Energy	1000		Unconfirmed	
Jharkhand	Sahibganj power station	Madhucon Projects	1320		Early	
Jharkhand	Saraikela power station	Kohinoor Power	215		Construction	
Jharkhand	Tilaiya Ultra Mega Power Project 1-5	Reliance Power	3300	Supercritical	Early	2015
Jharkhand	Tilaiya Ultra Mega Power Project 6	Reliance Power	660	Supercritical	Early	2017
Jharkhand	Tiruldih Power Project	Tata Power	1980		Early	
Jharkhand	Tori power plant	Essar Energy	1200		Construction	2014
Jharkhand	Visa Power Jharkhand project	VISA Power	2640		Early	
Jharkhand	Welspun Energy Parbahal Thermal Power Plant	Welspun Energy	1980		Early development	
Karnataka	Bellary Thermal Power Station 2	Karnataka Power Corporation	500		Newly	2012
Karnataka	Bellary Thermal Power Station 3	Karnataka Power Corporation	700		Planning	2014
Karnataka	Chamalapura power station	Karnataka Power Corporation	1000		Cancelled	
Karnataka	Edlapura power station	Karnataka Power Corporation	800	Supercritical	Planning	
Karnataka	Ghataprabha power station	Power Company of Karnataka (PCKL)	1320		Early	
Karnataka	Gulbarga power station	Power Company of Karnataka (PCKL)	1320	Supercritical	Early	
Karnataka	Hanakon Thermal Power Project	Ind-Barath Power	450		Cancelled	
Karnataka	Hassan power station	Hassan Thermal Power (P) Ltd	1000		Early	
Karnataka	Jewargi power station	Jewargi Power Pvt Ltd.	1320		Planning	
Karnataka	JSW Vijayanagar power station expansion	JSW Energy	660	Supercritical	Advanced	
Karnataka	Kadechur power station	Atlas Power India	1320		Early	
Karnataka	Karnataka Gupta power station	Gupta Power	1320		Unconfirmed	
Karnataka	Kudgi Super Thermal Power Project Stage I	NTPC	2400	Supercritical	Construction	2015-2016
Karnataka	Kudgi Super Thermal Power Project Stage II	NTPC	1600	Supercritical	Early development	
Karnataka	Mangoli power station	Flamingo Energy Ventures	1320	Supercritical	Early	
Karnataka	Mulwad power station	Luxor Energy	1320	Supercritical	Early	
Karnataka	Raichur Thermal Power Station expansion	Karnataka Power Corporation	250	Subcritical	Newly	2010
Karnataka	Tadri Ultra Mega Power Project	NTPC	4000		Deferred	

Upcoming Coal-Fired Power Projects India

Karnataka	Udupi Power unit 1	Lanco	600	Subcritical	Newly	2010
Karnataka	Udupi Power unit 2	Lanco	600	Subcritical	Newly	2011
Karnataka	Udupi Power units 3 & 4	Lanco	1320		Early	
Karnataka	Vadlur power station	Surana Power Ltd	420		Advanced	2013
Karnataka	Vantamuri power station	Shree Renuka Energy	1050		Early	
Karnataka	Yedlapur thermal station	Karnataka Power Corporation	850	Supercritical	Advanced	2014
Karnataka	Yeramarus thermal station	Karnataka Power Corporation	850	Supercritical	Advanced	2014
Kerala	Kasargod power station	Kerala State Industrial Development	2520	Supercritical	Early	
Madhya Pradesh	Anuppur power station (Newzone)	New Zone India	1320	Supercritical	Early	
Madhya Pradesh	Anuppur Thermal Power Project Phase 1	Moser Baer Power & Infrastructures	1200	Subcritical	Construction	
Madhya Pradesh	Anuppur Thermal Power Project Phase 2	Moser Baer Power & Infrastructures	1320		Early	
Madhya Pradesh	Banas Thermal Power project (Anuppur)	KVK Power & Infrastructure Pvt. Ltd.	1320		Planning	
Madhya Pradesh	Bansagar power station	MPTradco	1600	Supercritical	Early	2015
Madhya Pradesh	Barethi Super Thermal Power Project	NTPC	3960	Supercritical	Early	
Madhya Pradesh	Bina Refinery power station	Bharat Oman Refinery	99		Construction	
Madhya Pradesh	Bina Thermal Power Project additional units	Jaiprakash Power Ventures	750		Planning	2012
Madhya Pradesh	Bina Thermal Power Project Unit 1	Jaiprakash Power Ventures	250		Newly	2012
Madhya Pradesh	Bina Thermal Power Project Unit 2	Jaiprakash Power Ventures	250		Construction	2013
Madhya Pradesh	Chhindwara JSW power station	JSW Energy	1320	Supercritical	Cancelled	
Madhya Pradesh	Chitrangi Power Project	Reliance Power	3960	Supercritical	Advanced	
Madhya Pradesh	Dada Dhuniwale Thermal Power Project	M.P. Power Generating Company	1600		Early	
Madhya Pradesh	Gadarwara power station (BLA)	BLA Power	140	Subcritical	Advanced	
Madhya Pradesh	Gadarwara Super Thermal Power Project	NTPC	1320		Early	
Madhya Pradesh	Jabalpur Thermal Power Project	VISA Power	1320		Early	
Madhya Pradesh	Jaypee Nigrie Super Thermal Power Project	Jaiprakash Power Ventures	1320	Supercritical	Construction	2013
Madhya Pradesh	Jhabua (Chetak) power station	Chetak Enterprises	1320		Deferred	
Madhya Pradesh	Jhabua Power Seoni power station phase 1	Avantha Power and Infrastructure	600	Subcritical	Construction	2014
Madhya Pradesh	Jhabua Power Seoni power station phase 2	Avantha Power and Infrastructure	600	Subcritical	Advanced development	
Madhya Pradesh	Katni power station	Welspun Energy	1980	Supercritical	Advanced	

Upcoming Coal-Fired Power Projects India

Madhya Pradesh	Khargaone power station	NTPC	0		Planning	
Madhya Pradesh	Madhya Pradesh Jain Energy power station (Birhulee)	Jain Energy	1320		Early development	
Madhya Pradesh	Mahan Aluminium power station	Hindalco Industries	900		Construction	
Madhya Pradesh	Mahan I power plant	Essar Energy	1200	Subcritical	Construction	2012-2013
Madhya Pradesh	Mahan II power plant	Essar Energy	600		Planning	
Madhya Pradesh	Maharjapur power station	Sudama Mahavir Power	1320	Supercritical	Early	
Madhya Pradesh	Mandsaur power station	Chetak Enterprises	1320		Deferred	
Madhya Pradesh	Pench Thermal Power Project	Adani Power	1320	Supercritical	Deferred	
Madhya Pradesh	Sasan Ultra Mega Power Project 1	Reliance Power	660	Supercritical	Newly	2013
Madhya Pradesh	Sasan Ultra Mega Power Project 2	Reliance Power	660	Supercritical	Construction	2013
Madhya Pradesh	Sasan Ultra Mega Power Project 3	Reliance Power	660	Supercritical	Construction	2014
Madhya Pradesh	Sasan Ultra Mega Power Project 4-5	Reliance Power	1320	Supercritical	Construction	2015
Madhya Pradesh	Sasan Ultra Mega Power Project 6	Reliance Power	660	Supercritical	Construction	2016
Madhya Pradesh	Satpura Thermal Power Station Units 10-11	M.P. Power Generating Company	500		Construction	2013
Madhya Pradesh	Shahdol power station (formerly SJK Powergen)	GMR Energy	1370		Early development	2014
Madhya Pradesh	Shahpura power station	MP Power Trading Company Limited	1500		Early	
Madhya Pradesh	Shree Singaji Thermal Power Project Stage I Unit 1	M.P. Power Generating Company	600		Construction	2013
Madhya Pradesh	Shree Singaji Thermal Power Project Stage I Unit 2	M.P. Power Generating Company	600		Construction	2013
Madhya Pradesh	Shree Singaji Thermal Power Project Stage II	M.P. Power Generating Company	1320		Planning	
Madhya Pradesh	Sidhi Power Project	ACB (India)	1200		Advanced	2014
Madhya Pradesh	Suryachakra Thermal (Madhya Pradesh)	Suryachakra Group	1320	Supercritical	Deferred	
Madhya Pradesh	Vindhyachal-IV power station unit 11	NTPC	500		Newly	2012
Madhya Pradesh	Vindhyachal-IV power station unit 12	NTPC	500		Construction	2013
Madhya Pradesh	Vindhyachal-V power station	NTPC	500		Planning	
Madhya Pradesh	Welspun Amla power station	Welspun Energy	1320		Early	
Madhya Pradesh	Welspun Energy Anuppur Thermal Power Plant	Welspun Energy	1980		Early development	

Upcoming Coal-Fired Power Projects India

Madhya Pradesh	Welspun Mega Industrial & Energy Park	Welspun Energy Park Pvt. Ltd.	5280		Early	
Maharashtra	Amravati Thermal Power Project Phase I	Indiabulls Power	1350		Construction	2013-2014
Maharashtra	Amravati Thermal Power Project Phase II	Indiabulls Power	1350		Construction	2014-2015
Maharashtra	Bela power station	Ideal Energy Projects	270		Construction	2012
Maharashtra	Bela power station (Mantri Power)	Mantri Power	540		Unconfirmed	
Maharashtra	Bhadravati power station (Ispat)	JSW ISPAT Steel	2000		Planning	
Maharashtra	Bhadravati power station (MIDC)	Maharashtra Industrial Development Corporation	1320		Early development	
Maharashtra	Bhandewadi power station	Nagpur Municipal Corporation	500		Deferred	
Maharashtra	Bhusawal Thermal Power Station Unit 6	Maharashtra State Power Generation	660		Advanced	
Maharashtra	Bhusawal Thermal Power Station Units 4-5	Maharashtra State Power Generation Company	1000		Newly commissioned	2011
Maharashtra	Bijora power station	Jinbhuvish Power Generations	1260		Advanced	
Maharashtra	Butibori power station	Reliance Power	600		Construction	2012
Maharashtra	Chandrapur CESC power station (Tadali)	CESC	600		Construction	2013
Maharashtra	Chandrapur Gupta power station stage 2	Gupta Energy	540		Advanced	
Maharashtra	Chandrapur Gupta power station stage I	Gupta Energy	120		Construction	
Maharashtra	Chandrapur Thermal Power Station unit 8	Maharashtra State Power Generation	500		Construction	2013
Maharashtra	Chandrapur Thermal Power Station unit 9	Maharashtra State Power Generation	500		Construction	2014
Maharashtra	Coastal Maharashtra Project Phase I	Tata Power	1600	Supercritical	Deferred	
Maharashtra	Coastal Maharashtra Project Phase II	Tata Power	800		Deferred	
Maharashtra	Dahanu power station upgrade	Reliance Infrastructure Limited	1200		Uncertain	
Maharashtra	Devgad UMPP	NTPC	4000		Uncertain	
Maharashtra	Dhakore power station	Ind-Barath Power	1050		Unconfirmed	
Maharashtra	Dhariwal power station	Haldia Energy	600		Construction	2013
Maharashtra	Dhopave coal plant (NTPC)	NTPC	1600		Planning	
Maharashtra	Dhopave Thermal Power Station (Mahagenco) Unit 1-3	Maharashtra State Power Generation Company	1980	Supercritical	Deferred	
Maharashtra	Dhopave Thermal Power Station (Mahagenco) Unit 4	Maharashtra State Power Generation Company	800	Supercritical	Cancelled	
Maharashtra	Dondaicha Thermal Power Station Stage I (Units 1 and 2)	Maharashtra State Power Generation Company	1320		Advanced development	2016

Upcoming Coal-Fired Power Projects India

Maharashtra	Dondaicha Thermal Power Station Stage II (Unit 3-5)	Maharashtra State Power Generation Company	1980		Planning	2017
Maharashtra	EMCO Energy Warora Power Project	EMCO Energy	600		Construction	2013
Maharashtra	Ghugus power station phase I	Gupta Coalfields & Washeries	120		Advanced	
Maharashtra	Ghugus power station phase II	Gupta Coalfields & Washeries	540		Planning	
Maharashtra	Girye Ultra Mega Power Project	Coastal Maharashtra Power Ltd.	4000		Deferred	
Maharashtra	GMR Energy coal plant	GMR Energy	1800		Unconfirmed	
Maharashtra	Hari Hareshwar power station (Veshvi and Bankot)	Hari Hareshwar Power Company	1600		Planning	
Maharashtra	Khaperkheda TPS Unit 5	Maharashtra State Power Generation	500		Newly	2011
Maharashtra	Khursapar power station	Lenexis Energy	1320		Early	
Maharashtra	Khutafali (Kolura) power station	Jinbhuvish Power Generations	1320	Supercritical	Early	
Maharashtra	Kinebodi power station	Nandlal Enterprises	750		Early	
Maharashtra	Koradi Thermal Power Station 10	Maharashtra State Power Generation	660		Construction	2014
Maharashtra	Koradi Thermal Power Station 8	Maharashtra State Power Generation	660		Construction	2014
Maharashtra	Koradi Thermal Power Station 9	Maharashtra State Power Generation	660		Construction	2014
Maharashtra	Lanco Vidarbha Thermal Power	Lanco	1320	Supercritical	Construction	2014
Maharashtra	Latur power station	Maharashtra State Power Generation	1320	Supercritical	Planning	2016
Maharashtra	Madhekar power station	Patni Energy	405	CFB	Unconfirmed	
Maharashtra	Mauda-I STPP (Nagpur) Unit 1	NTPC	500		Newly	2012
Maharashtra	Mauda-I STPP (Nagpur) Unit 2	NTPC	500		Construction	2013
Maharashtra	Mauda-II STPP (Nagpur)	NTPC	1320		Early	
Maharashtra	Mendki thermal power project	Maharashtra State Power Generation	1320		Planning	
Maharashtra	Nardana power station (Vaghode)	Shirpur Power	300		Advanced	
Maharashtra	Nasik Thermal Power Project Phase I (Indiabulls)	Indiabulls Power	1350		Construction	2013-2015
Maharashtra	Nasik Thermal Power Project Phase I (Indiabulls)	Indiabulls Power	1350		Construction	2014-2015
Maharashtra	Nasik Thermal Power Station (Sinnar) expansion	Maharashtra State Power Generation Company	1320	Supercritical	Early development	2017
Maharashtra	Paras power station extension	Maharashtra State Power Generation	660		Planning	
Maharashtra	Paras power station unit 4	Maharashtra State Power Generation	250		Newly	2010
Maharashtra	Parli Thermal Power Station Unit 7	Maharashtra State Power Generation	250	Subcritical	Newly	2010

Upcoming Coal-Fired Power Projects India

Maharashtra	Parli Thermal Power Station Unit 8	Maharashtra State Power Generation	350	Subcritical	Construction	2013
Maharashtra	Rampur coal plant	Finolex	1000		Planning	
Maharashtra	Ratnagiri Power Plant	JSW Energy	1200		Newly	2011
Maharashtra	Ratnagiri Power Plant expansion	JSW Energy	3200	Supercritical	Deferred	
Maharashtra	Shahpur Thermal Power Project	Reliance Power	1200		Cancelled	
Maharashtra	Solapur power station	NTPC	1320	Supercritical	Advanced	2016
Maharashtra	Tiroda Thermal Power Project Phase I Unit 1	Adani Power	660	Supercritical	Newly commissioned	2012
Maharashtra	Tiroda Thermal Power Project Phase I Unit 2	Adani Power	660		Construction	2012
Maharashtra	Tiroda Thermal Power Project Phases II and III	Adani Power	1980		Construction	2013
Maharashtra	Trombay Power Station Proposed Conversion of Unit 6 to coal	Tata Power	500	Sub-critical	Planning	2014 (approx)
Maharashtra	Waral power station	Ind-Barath Power	450		Cancelled	
Maharashtra	Wardha Warora Power Plant Unit 1-2	KSK Energy Ventures	270		Newly	2010
Maharashtra	Wardha Warora Power Plant Units 3-4	KSK Energy Ventures	270		Newly	2011
Maharashtra	Welspun Maxsteel power station	Welspun Energy	330		Early	
Meghalaya	Garo Hills power station	NEEPCO	500		Early	
Meghalaya	West Khasi Hills power station	NEEPCO	240		Planning	
Orissa	Aditya Aluminium power station	Hindalco Industries	900		Construction	
Orissa	Angul I power station (Derang) Unit 1	Jindal India Thermal Power	600		Construction	2013
Orissa	Angul I power station (Derang) Unit 2	Jindal India Thermal Power	600		Construction	2013
Orissa	Angul I power station (Derang) Unit 3	Jindal India Thermal Power	600		Planning	
Orissa	Angul II power station (Derang)	Jindal India Thermal Power	1320		Planning	
Orissa	Angul Smelter power station units 9 and 10	National Aluminium Company	240		Newly commissioned	2010
Orissa	Angul Steel power station	Jindal Steel & Power	810		Construction	2012
Orissa	Babandh power station	Lanco	1320	Supercritical	Construction	2014
Orissa	Balangir power station	Sahara India Power Corporation	1320		Early	
Orissa	Baragaon power station	Jinbhuvish Power Generations	1320		Early	
Orissa	Basundhara power station	Mahanadi Coalfields Limited	1600	Supercritical	Early	
Orissa	Bhadrak Ultra Mega Power Project	Power Finance Corporation	4000	Supercritical	Planning	

Upcoming Coal-Fired Power Projects India

Orissa	Bhubaneshwar Jasper power station	Bhubaneshwar Power	135		Planning	
Orissa	Brahmani power project	NTPC & Coal India	2000		Planning	
Orissa	Choudwar power station	Indian Metals & Ferro	30	Subcritical	Newly	
Orissa	Choudwar power station	Indian Metals & Ferro	120	Subcritical	Advanced	
Orissa	Cuttack power station (KVK Nilachal) Phase I	KVK	350		Construction	2014
Orissa	Cuttack power station (KVK Nilachal) Phase II	KVK	700		Planning	
Orissa	Cuttack power station (VISA Power)	VISA Power	1320	Supercritical	Planning	
Orissa	Darlipali Super Thermal Power Station	NTPC	1600	Supercritical	Advanced	
Orissa	Dhenkanal power station	CESC	1000		Planning	
Orissa	Gajmara Super Thermal Power Station	NTPC	1600		Advanced	
Orissa	Ganjam power station	SPR Infrastructure India	2640	Supercritical	Early	
Orissa	Ghogarpalli Ultra Mega Power Project	Power Finance Corporation	4000		Planning	
Orissa	IB Thermal Power Station expansion	Orissa Power Generation Corporation	1320		Advanced	
Orissa	Jharsuguda CPP power station Units 8 & 9	Vedanta Resources	270		Newly	2011
Orissa	Jharsuguda Ind-Barath power station Phase I	Ind-Barath Power	700		Construction	2013
Orissa	Jharsuguda Ind-Barath power station Phase II	Ind-Barath Power	660	Supercritical	Planning	
Orissa	Jharsuguda Sterlite power station Unit 1-4	Sterlite Energy	2400	Subcritical	Newly	2010 -
Orissa	JR Power Project	KSK Energy Ventures	1980		Early	
Orissa	Kamalanga power station phase I	GMR Energy	1050		Construction	2013
Orissa	Kamalanga power station phase II	GMR Energy	350		Advanced	
Orissa	Kishore Nagar Coal-to-Liquids Project	Jindal Steel & Power	1350		Planning	
Orissa	Malibrahmani power station	Monnet Power Company	1050	Subcritical	Advanced	2014
Orissa	Naraj Marthapur power project	Tata Power	660		Planning	
Orissa	Navabharat II power station	Essar Energy	1200		Planning	
Orissa	Navabharat power station	Essar Energy	1050		Construction	2014
Orissa	Neulapoi power station (Dhenkanal)	CESC	1200		Early	2015
Orissa	Paradip power plant	Essar Energy	120	Subcritical	Construction	
Orissa	Pitamohul power station	Ind-Barath Power	1320		Planning	
Orissa	Randia power station	Facor Power	100	Subcritical	Construction	

Upcoming Coal-Fired Power Projects India

Orissa	Rengali power station	Neyveli Lignite Corporation	2000		Planning	
Orissa	Sakhigopal Ultra Mega Power Project	Power Finance Corporation	4000		Planning	
Orissa	Sri Ramchandrapur power project	Dr. RKP Power	120	Subcritical	Planning	
Orissa	Srirampur Coal-to-Liquids Project	Strategic Energy Technology Systems	0		Planning	
Orissa	Sundargarh Ultra Mega Power Project (Lankahuda)	NTPC	4000		Planning	
Orissa	Talabira thermal station	Neyveli Lignite Corporation, Mahanadi Coal Fields	2000		Cancelled	
Orissa	Talcher Super Thermal Power Station second expansion	NTPC	1320		Planning	
Orissa	Talcher Thermal Power Station first expansion	NTPC	500		Planning	
Orissa	Wardha Naini Power Project	KSK Energy Ventures	1800		Early	
Punjab	Gidderbaha power station	Punjab State Electric Board	2640		Deferred	
Punjab	GNDTP Bathinda Extn. Stage-II	Punjab State Electric Board	500		Planning	
Punjab	Gobindpura power station	Indiabulls Power	1320		Planning	
Punjab	Goindwal Sahib Thermal Power Plant	GVK	540		Construction	2013
Punjab	Goindwal Sahib Thermal Power Plant expansion	GVK	1320	Supercritical	Planning	
Punjab	Guru Hargobind (Lehra Mohabbat) Power Station Stage III	Punjab State Electric Board	500		Planning	
Punjab	Mukerian power station	Punjab State Power Corporation	1320		Early	
Punjab	Rajpura Thermal Power Project (Nalash)	Punjab State Power Corporation	1320		Construction	2014
Punjab	Rajpura Thermal Power Project (Nalash) phase II	Punjab State Power Corporation	700		Planning	
Punjab	Ropar thermal plant expansion	Punjab State Electric Board	1320		Planning	
Punjab	Talwandi Sabo Power Project Unit 4	Sterlite Energy	660	Supercritical	Cancelled	
Punjab	Talwandi Sabo Power Project Units 1-3	Sterlite Energy	1980	Supercritical	Construction	2014
Rajasthan	Banswara Cement power station	India Cements	20		Planning	
Rajasthan	Banswara Thermal Power Station	Rajasthan RV Utpadan Nigam	1320	Supercritical	Early	
Rajasthan	Barsingsar Thermal Power Project Unit 1	Neyveli Lignite Corporation	125		Newly	2010
Rajasthan	Barsingsar Thermal Power Project Unit 2	Neyveli Lignite Corporation	125		Newly	2011
Rajasthan	Bikaner power station	OM Metals Infraprojects amd SPML	70		Early	

Upcoming Coal-Fired Power Projects India

Rajasthan	Bithnok Thermal Power Project	Neyveli Lignite Corporation	250		Advanced	
Rajasthan	Chhabra power station Unit 2 expansion	Rajasthan RV Utpadan Nigam	250		Newly	2010
Rajasthan	Chhabra power station Unit 3-4 expansion	Rajasthan RV Utpadan Nigam	500		Construction	2013
Rajasthan	Chhabra power station Unit 5-6 expansion	Rajasthan RV Utpadan Nigam	1320	Supercritical	Early	
Rajasthan	JSW Barmer (Jalipa Kapurdi) power station unit 2	JSW Energy	135	Subcritical	Newly commissioned	2010
Rajasthan	JSW Barmer (Jalipa Kapurdi) power station units 3-4	JSW Energy	270	Subcritical	Newly commissioned	2011
Rajasthan	JSW Barmer (Jalipa Kapurdi) power station units 5-8	JSW Energy	540		Construction	2013-2015
Rajasthan	JSW Barmer (Jalipa Kapurdi) power station units 9-10	JSW Energy	270		Advanced development	
Rajasthan	Kalisindh Thermal Power Station	Rajasthan RV Utpadan Nigam	1200	Supercritical	Construction	2013
Rajasthan	Kalisindh Thermal Power Station Stage II	Rajasthan RV Utpadan Nigam	1320	Supercritical	Planning	
Rajasthan	Kawai Thermal Power Project	Adani Power	1320	Supercritical	Construction	2013
Rajasthan	Suratgarh Super Thermal Power Station Unit 7-8	Rajasthan RV Utpadan Nigam	1320		Early development	
Rajasthan	Suratgarh Super Thermal Power Station Unit 9-10	Rajasthan RV Utpadan Nigam	1320	Supercritical	Early development	
Rajasthan	VS Lignite Plant	KSK Energy Ventures	135	Subcritical	Newly	2010
Tamil Nadu	Chennai power station I	OPG Power Ventures	77	Subcritical	Newly	2010
Tamil Nadu	Chennai power station II	OPG Power Ventures	77	Subcritical	Construction	2012
Tamil Nadu	Chennai power station III	OPG Power Ventures	160	Subcritical	Advanced	2013
Tamil Nadu	Chennai power station III additional expansion	OPG Power Ventures	80	Subcritical	Planning	
Tamil Nadu	Cheyyur Ultra Mega Power Project	Coastal Tamil Nadu Power	4000		Planning	
Tamil Nadu	Cuddalore power station	Cuddalore Powergen Corporation	1320		Deferred	
Tamil Nadu	Cuddalore SRM power station	SRM Energy	1980	Supercritical	Planning	
Tamil Nadu	Ennore SEZ Super Critical Thermal Power Project (Vayalur)	Tamil Nadu Generation and Distribution Corporation	1600	Supercritical	Planning	
Tamil Nadu	Ennore Thermal Power Station expansion	Tamil Nadu Generation and Distribution Corporation	1200		Planning	
Tamil Nadu	Jayamkondam power station	Neyveli Lignite Corporation	1600		Planning	

Upcoming Coal-Fired Power Projects India

Tamil Nadu	Marakkanam Super Thermal Power Project	NTPC	4000		Planning	
Tamil Nadu	Mettur Thermal Power Station Stage III	TANGEDCO	600		Construction	2012
Tamil Nadu	Nagai Power project (Nagapattinam)	KVK Energy	300		Planning	2013
Tamil Nadu	New Neyveli Thermal Power Station	Neyveli Lignite Corporation	1000		Planning	2015
Tamil Nadu	Neyveli TPS-II Expansion unit 1	Neyveli Lignite Corporation	250	Circulating Fluidized Bed	Newly commissioned	2011
Tamil Nadu	Neyveli TPS-II Expansion unit 2	Neyveli Lignite Corporation	250	Circulating Fluidized Bed	Construction	2013
Tamil Nadu	North Chennai Thermal Power Station - Stage-II Unit 1	Tamil Nadu Generation and Distribution Corporation	600	Subcritical	Construction	2012
Tamil Nadu	North Chennai Thermal Power Station - Stage-II Unit 2	Tamil Nadu Generation and Distribution Corporation	600		Construction	2012
Tamil Nadu	Savarimangalam power station	SPR Infrastructure India	2640		Early	
Tamil Nadu	Thoothukudi power station (IBPGL)	Ind-Barath Power	126		Newly	2010
Tamil Nadu	Thoothukudi power station (IBPGL) expansion	Ind-Barath Power	63		Planning	
Tamil Nadu	Thoothukudi power station (IBTPL Hanakon replacement)	Ind-Barath Power	300		Early development	
Tamil Nadu	Tirunelveli power station	India Cements	50		Planning	
Tamil Nadu	Melamaruthur Power Station Phase I	Coastal Energen	1200	Subcritical	Construction	2013
Tamil Nadu	Melamaruthur Power Station Phases II and III	Coastal Energen	1600	Supercritical	Planning	
Tamil Nadu	Tuticorin power station (Ind-Barath) Phase I	Ind-Barath Power	660	Supercritical	Advanced development	
Tamil Nadu	Tuticorin power station (Ind-Barath) Phase II	Ind-Barath Power	660	Supercritical	Planning	
Tamil Nadu	Tuticorin Thermal Power Project	Tamil Nadu Generation and Distribution Corporation and Neyveli	1000		Construction	2013
Tamil Nadu	Udangudi power station	Tamil Nadu Generation and Distribution Corporation and Bharat Heavy Electricals Limited	1600	Supercritical	Advanced development	

Upcoming Coal-Fired Power Projects India

Tamil Nadu	Uppur power station (Thiruvadanai)	Tamil Nadu Generation and Distribution Corporation	1600	Supercritical	Early development	
Tamil Nadu	Vallur Thermal Power Plant Unit 1	NTPC and Tamil Nadu Generation and Distribution Corporation	500		Newly commissioned	2012
Tamil Nadu	Vallur Thermal Power Plant Units 2 and 3	NTPC and Tamil Nadu Generation and Distribution Corporation	1000		Construction	2013
Uttar Pradesh	Amauli Fatehpur power station	Uttar Pradesh Power Corporation and Neyveli Lignite Corporation	1980		Construction	2015
Uttar Pradesh	Anpara power station (Lanco)	Lanco	1200	Subcritical	Newly	2011
Uttar Pradesh	Anpara-C power station	UP Rajya Vidyut Nigam Ltd	1200		Newly	2011
Uttar Pradesh	Anpara-D power station Unit I	UP Rajya Vidyut Nigam Ltd	500		Construction	2014
Uttar Pradesh	Anpara-D power station Unit II	UP Rajya Vidyut Nigam Ltd	500		Construction	2014
Uttar Pradesh	Anpara-E power station	UP Rajya Vidyut Nigam Ltd	1320		Planning	
Uttar Pradesh	Auraiya IGCC power station	NTPC and BHEL	300	IGCC	Deferred	
Uttar Pradesh	Auraiya Unitech power station	Unitech Machines	250		Planning	
Uttar Pradesh	Bara Thermal Power Project Phase I	Jaiprakash Power Ventures	1980		Construction	2014
Uttar Pradesh	Bara Thermal Power Project Phase II	Jaiprakash Power Ventures	1320		Planning	
Uttar Pradesh	Bargarh power station	Bajaj Hindusthan	1980		Early	
Uttar Pradesh	Barkera Mill power station	Bajaj Hindusthan	80		Planning	
Uttar Pradesh	Bhognipur power station	Lanco	2640		Early	
Uttar Pradesh	Bilhaur Super Thermal Power Plant	NTPC	1320		Early	
Uttar Pradesh	Chola power station	Tata Power	1320		Planning	
Uttar Pradesh	Dopaha Thermal Power Plant	Uttar Pradesh Power Corporation	1980	Supercritical	Early	
Uttar Pradesh	Fatehpur power station	Uttar Pradesh Power Corporation	1320		Planning	2015
Uttar Pradesh	Feroz Gandhi Unchahar Power Project Stage IV	NTPC	500		Planning	
Uttar Pradesh	Harduaganj TPS Extn - Stage III (Kasimpur)	Uttar Pradesh Rajya Vidyut	660	Supercritical	Planning	
Uttar Pradesh	Harduaganj TPS Extn Stage II Unit 8 (Kasimpur)	Uttar Pradesh Rajya Vidyut	250		Newly commissioned	2011
Uttar Pradesh	Harduaganj TPS Extn Stage II Unit 9 (Kasimpur)	Uttar Pradesh Rajya Vidyut	250		Newly commissioned	2012
Uttar Pradesh	Jawaharpur Thermal Project	Jawaharpur Vidyut Utpadan Nigam	1320		Planning	2013
Uttar Pradesh	Karchana Thermal Power Project	Jaypee Group	1980		Deferred	

Upcoming Coal-Fired Power Projects India

Uttar Pradesh	Lalitpur power project (Mirchawar)	Bajaj Hindusthan	1980		Early	2014-2015
Uttar Pradesh	Meja Thermal Power Project	NTPC and Uttar Pradesh Rajya Vidyut	1320	Supercritical	Advanced	2016
Uttar Pradesh	NCTPP IGCC demonstration (Dadri)	NTPC	100		Planning	
Uttar Pradesh	NCTPP Stage II (Dadri)	NTPC	980		Newly	2010
Uttar Pradesh	Obra thermal station extension	UP Rajya Vidyut Nigam Ltd	1600		Planning	
Uttar Pradesh	Panki Thermal Power Station extension	UP Rajya Vidyut Nigam Ltd	250		Planning	
Uttar Pradesh	Parichha power station Unit 5	Uttar Pradesh Rajya Vidyut	250		Newly	2012
Uttar Pradesh	Parichha power station Unit 6	Uttar Pradesh Rajya Vidyut	250		Construction	2013
Uttar Pradesh	Rihand III power station Unit 5	NTPC	500		Newly	2012
Uttar Pradesh	Rihand III power station Unit 6	NTPC	500		Construction	2013
Uttar Pradesh	Rosa Thermal Power Plant	Reliance Power	1200		Newly	2010-2012
Uttar Pradesh	Singrauli Super Thermal Power Station Stage III	NTPC	500		Planning	
Uttar Pradesh	Tanda power station expansion	NTPC	1320		Planning	
Uttar Pradesh	Welspun Energy Mirzapur power station	Welspun Energy	1320		Early	
Uttar Pradesh	Welspun Ghazipur project	Welspun Energy	1320		Planning	2015
West Bengal	Adra Purulia power station	NTPC and Indian Railways	1320		Cancelled	
West Bengal	Bakreswar Thermal Power Station Unit 6	West Bengal Power Development	660		Planning	
West Bengal	Balagarh power station	CESC	1320	Supercritical	Planning	
West Bengal	Bankura Concast power station	Concast Bengal Industries	20.5		Planning	
West Bengal	Bhushan Steel West Bengal project	Bhushan Steel	1000		Deferred	
West Bengal	Durgapur Projects Limited power station unit 8	Durgapur Projects Limited	250		Construction	2014
West Bengal	Durgapur Steel City power station	Damodar Valley Corporation	1000		Newly	2011-2012
West Bengal	Farakka III power station (Unit 6)	NTPC	500		Newly	2011
West Bengal	Haldia Energy power station Phase 1	CESC	600		Construction	2014
West Bengal	Haldia Energy power station phase 2	CESC	1400		Planning	
West Bengal	Katwa Super Thermal Power Project (NTPC)	NTPC	1600		Deferred	
West Bengal	Larsen & Tubro power station	Larsen & Tubro	3200		Planning	
West Bengal	Mejia power station phase II units 1 and 2	Damodar Valley Corporation	1000		Newly	2010-2011
West Bengal	Raghunathpur Thermal Power Station phase I	Damodar Valley Corporation	1200	Subcritical	Construction	2013

West Bengal	Raghunathpur Thermal Power Station phase II	Damodar Valley Corporation	1320	Supercritical	Planning	
West Bengal	Sagardighi Thermal Power Station Phase II	West Bengal Power Development	1000	Subcritical	Construction	2014
West Bengal	Salboni 1 (CPP-IV)	JSW Bengal Steel	300		Construction	2014
West Bengal	Salboni 2 and 3	JSW Energy	1320	Supercritical	Advanced	2016-2017
West Bengal	Santaldih Thermal Power Station unit 6	NTPC	250	Subcritical	Newly	2011
West Bengal	Santildih Thermal Power Station units 7 and 8	NTPC	1320	Supercritical	Cancelled	