



**PRIYA BLUE**  
PRIYA BLUE INDUSTRIES PVT. LTD.  
GROUP OF COMPANIES

# Presentation

by Mr. Gerd Leopold, Head of Purchase

MLIT International Seminar  
towards Sustainable Shipcycling  
St. Ermins Hotel  
03<sup>rd</sup> February 2016



your  
green  
yard

Priya Blue  
Industries Pvt. Ltd



PRIYA BLUE  
Priya Blue Industries Pvt. Ltd

*CLASS NK CERTIFIED HONG KONG COMPLIANT (HKC) GREEN RECYCLING  
YARD, Having ISO 9001, 14001, 30000 & OHSAS 18001.*

Adding value through Recycling...

# Profile

## Company Introduction...



PRIYA BLUE  
Priya Blue Industries Pvt. Ltd.

Our Company Priyablue Industries Pvt. Ltd is engaged into the business of Ship Recycling in Alang/Sosiya region (Gujarat, India). We are one of the biggest and most recognized Green ship recycling facility in India having Statement of Compliance (SOC) and Statement of Fact issued by Class NK for Hong Kong Convention, It is operational at about 60,000 sqm developed property containing built structures for facilities, including a 120 m shore line, a cutting area of 7,513 sq. mtr. with impermeable flooring with drainage system and permanent labour quarters of 4,955 sq. mtr.



# Profile

## Management Team...



PRIYA BLUE  
Priya Blue Industries Pvt. Ltd.



Sanjay Mehta

Director



Rakesh Gupta

Head of Sales & Operations



Dhimant Modi  
Manager  
(Operations)



Satish Kumar Singh  
Head of Safety &  
Environment



Gorakhnath Yadav  
Manager  
(Field)



# Why Priya Blue?

## Green Credentials

We are the 1st and only Ship Recycling Yard having a shore line of 120 meters length in India to have been fully certified by Class NK, Japan as a firm engaged in Green Ship Recycling as per Hong Kong Convention (HKC) and are also holding their ISO 9001, 14001, OHSAS 18001 & ISO 30000 Certifications.

NIPPON KAIJI KYOKAI

  
NIPPON KAIJI KYOKAI  
ClassNK

**STATEMENT OF COMPLIANCE  
FOR  
FIRMS ENGAGED IN SHIP RECYCLING**

No. : KC15N3-2805K

THIS IS TO CERTIFY that

Priya Blue Industries Private Limited  
Alang, Gujarat, India  
Plot No. V-1 with Backyard, Ship Recycling Yard, Sosiya (Alang)  
Dist. Bhavnagar - 364081, Gujarat, India

has been confirmed as a firm engaged in ship recycling that the operations and procedure that are in place at the facility in accordance with IMO Resolution MEPC. 210(63) "2012 GUIDELINES FOR SAFE AND ENVIRONMENTALLY SOUND SHIP RECYCLING"

Any reductions of the above operations or procedure may render this statement of compliance invalid.  
This statement is valid until 24 September 2020 subject to continued compliance with the related GUIDELINES and periodical audits

Issued at Tokyo on 25 September 2015.

NIPPON KAIJI KYOKAI

  
(H. Takano)  
Operating Officer

 **ClassNK**

This Report is issued subject to the condition that it is understood and agreed that neither the Society nor any of its Certificates is under any circumstances whatever to be held responsible for any inaccuracy in any report or certificate issued by this Society or its Surveyors or in any entry in the Record or other publication of the Society or for any error of judgment, default or negligence of an Officer, Surveyor or Auditor.

2015.9.10007



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# Yard Details

## Location



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The Yard No. V-1 is located in Alang-Sosiya,  
Sub District Talaja, District Bhavnagar, Gujarat, India

Backyard Bird Eye View





# Yard Details

Impermeable Cement Floored Front Yard along  
with Drainage System.



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**SHIP**  
(Primary Cutting Zone)

Beach Area

**SHIP**  
(Primary Cutting Zone)

Secondary cutting zone

Drainage System

Interim Storage & Loading Area (Clean Blocks)

Oily Block Cutting & Oily Machinery Storage Area

Rain Water Tank

Bilge Water Tank

Fire Water Tank & Pump

Fire Water Tank & Pump

Toilet  
Toilet  
Toilet  
Toilet

Winch

Winch

Winch

Winch

Winch

Winch

Winch

Winch

Bilge Water Tank

8 Winches in total

LPG Store

Drinking water Tank

SRFP - Frontyard

Assorting Area

Recovered Material

Assorting Area

Mistri Room

Hazardous & Non Hazardous waste Storage Area

Fire Station

LOT

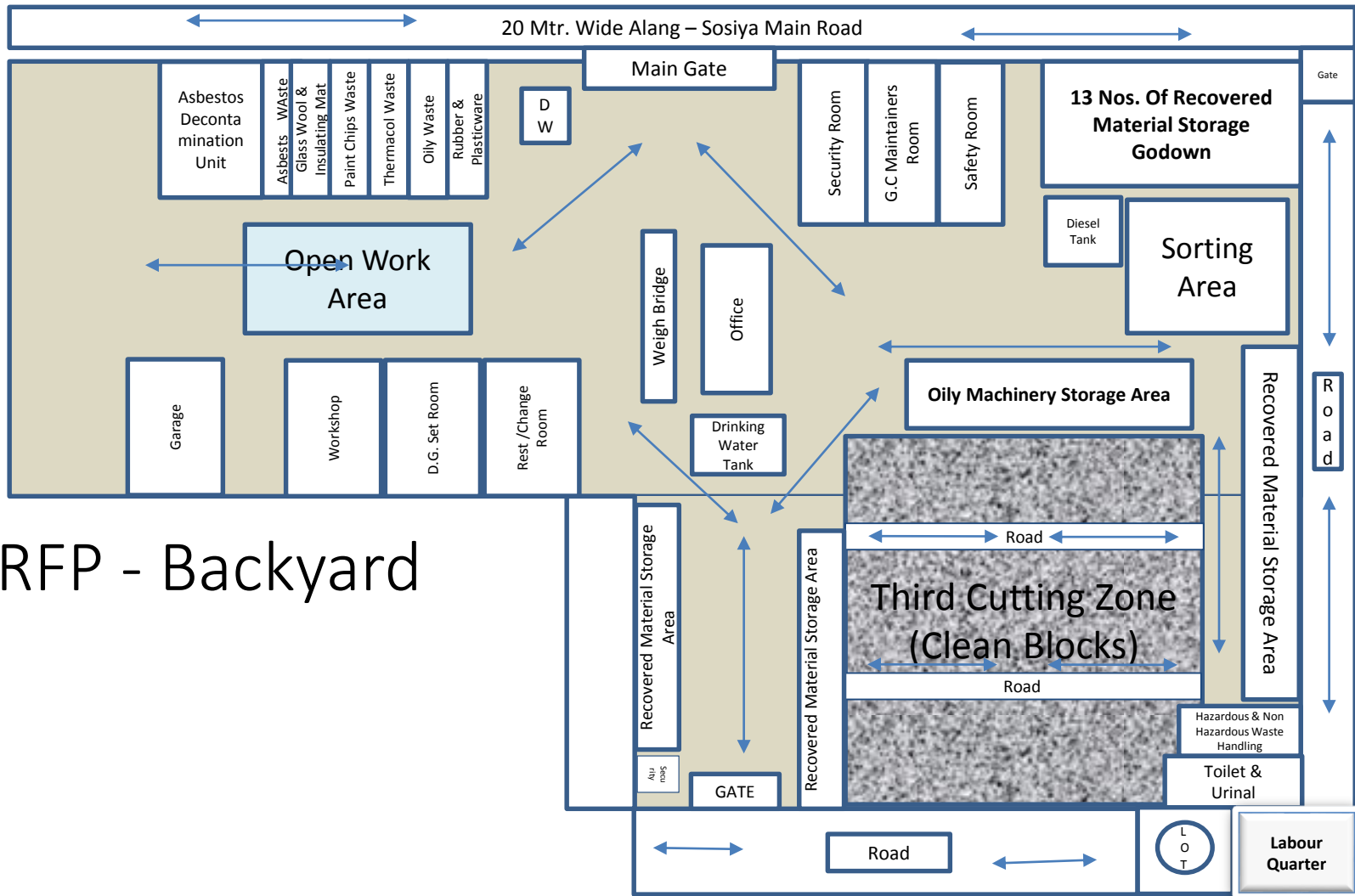
First - Aid Center

Main Gate

Rest Room  
Safety Room  
Electric Room



# SRFP - Backyard



# Yard Details

Photos Backyard



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Cutting Areas



# Why Priya Blue?

## Asbestos Supervisor/Contractor Training and Certification



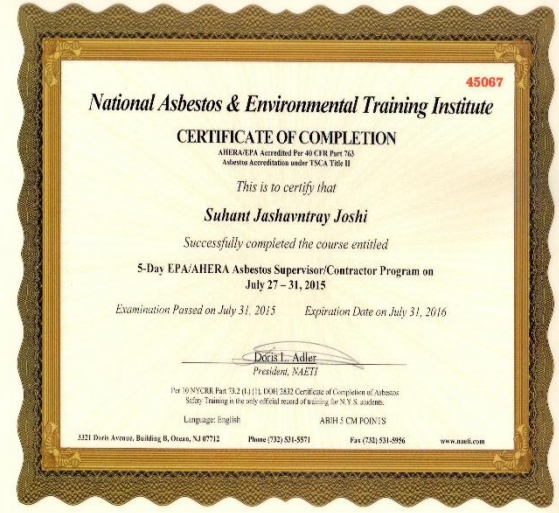
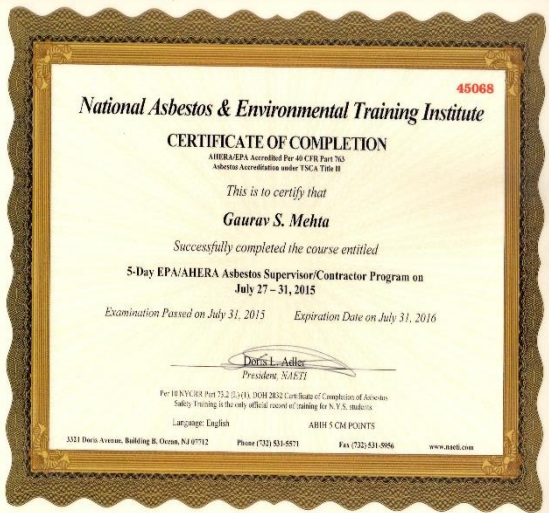
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Priya Blue Industries Pvt. Ltd.





# Why Priya Blue?

## Asbestos Supervisor/Contractor Training and Certification



# Why Priya Blue?

Permanent Labor quarters for all laborers along with their families with essentials such as electricity & water at free of cost, due to which there is low labor turn around.



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Priya Blue Industries Pvt. Ltd.





# Why Priya Blue?

Labor Welfare – Priyablue Industries Pvt. Ltd. (PBIL) is the only one in whole of the ship recycling area of Alang / Sosiya which has its own Labor Quarters. It can accommodate around 250 workers along with their families.



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# Why Priya Blue?

Use of Oil Booms.



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# Why Priya Blue?

Separate storage space and removal for Hazardous material with negative pressure room.



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HAZARDOUS AND NONHAZARDOUS WASTE HANDLING AREA.

KILL  
POLLUTION

**DANGER**  
— ASBESTOS INHALATION HAZARDOUS —  
— ASBESTOS CAN CAUSE CANCER & LUNG DISEASE —  
AVOID CREATING DUST WEAR PROTECTIVE EQUIPMENT PROPER TRAINING REQUIRED.



# Why Priya Blue?

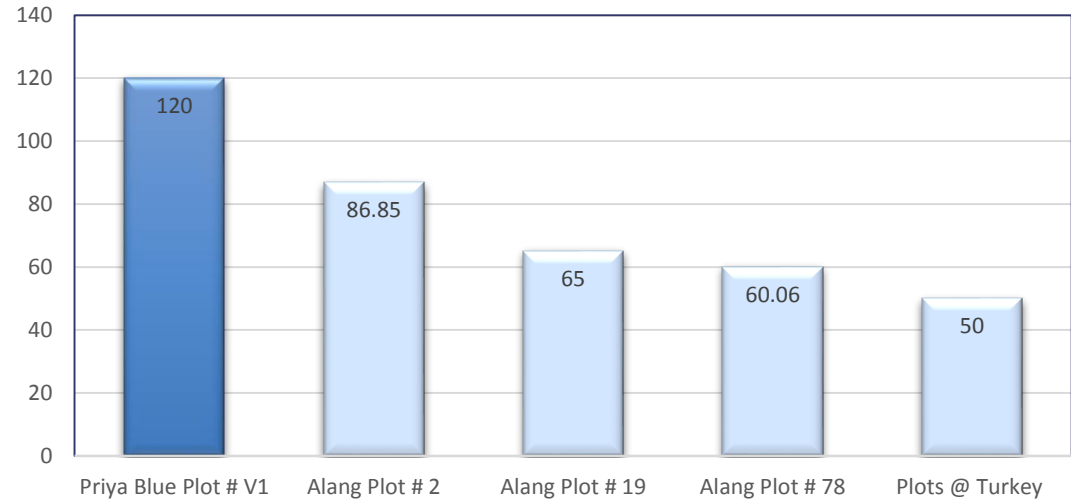
## Salient Features

- Priya Blue Yard has the longest shoreline of 120 meters among all the yards., it is the only VLCC yard having a SOC
- Suitable for Green Ship Recycling three cape size vessels at a time.



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### Shore Length Comparison



# Why Priya Blue?

NON - HKC TO HKC

Below are main steps taken during migration of yard from non-HKC to HKC in last 3 years



|  |   |
|--|---|
| <b>ADDITIONAL SAFETY OFFICER.</b>          | <ul style="list-style-type: none"><li>• We have introduced one more safety officer to our yard.</li></ul>   |
| <b>BLOCKS AND PIECES.</b>                  | <ul style="list-style-type: none"><li>• Vessels are cut into blocks &amp; lifted via heavy cranes &amp; are then safely moved to concrete flooring. In turn they are cut into pieces.</li></ul> |
| <b>IMPERMEABLE CONCRETE FLOORING</b>       | <ul style="list-style-type: none"><li>• Our yard is fully covered with impermeable concrete flooring including drainage system.</li></ul>   |
| <b>DRAINAGE SYSTEM</b>                     | <ul style="list-style-type: none"><li>• Drainage System in yard consists of Oily Block area (capacity 15000 litres).</li></ul>  |
| <b>BILGE WATER TANK</b>                    | <ul style="list-style-type: none"><li>• Bilge Water Tank with a capacity 20000 cu3.</li></ul>   |
| <b>OXYGEN STORAGE TANK</b>                 | <ul style="list-style-type: none"><li>• Oxygen Storage Tank is been installed at our own yard.</li></ul>  |
| <b>ASBESTOS TRAINING AND CERTIFICATION</b> | <ul style="list-style-type: none"><li>• Our management staff has completed Asbestos Training and certification from National Asbestos &amp; Environmental Training Institute.</li></ul>         |
| <b>PERMANANT LABOR QUARTERS</b>            | <ul style="list-style-type: none"><li>• Priya blue labor quarters can accommodate around 250 workers along with their families.</li></ul>   |
| <b>PPE COMPLIANCE FOR LABORS</b>           | <ul style="list-style-type: none"><li>• All our labors are provided with PPE Compliance.</li></ul>  |
| <b>OIL BOOMS</b>                           | <ul style="list-style-type: none"><li>• Oil Booms are used always as and where required.</li></ul>  |
| <b>FIRST AID TREATMENT</b>                 | <ul style="list-style-type: none"><li>• All our permanent senior staffs have completed First Aid Treatment training and certification.</li></ul>  |
| <b>HOT WORK ENTRY</b>                      | <ul style="list-style-type: none"><li>• Hot Work Entry is now been strictly followed.</li></ul>   |
| <b>CLEANING OF OIL TANKS</b>               | <ul style="list-style-type: none"><li>• Oil Tanks are being completly cleaned before futher processing.</li></ul>   |
| <b>HAZARDOUS MATERIAL STORAGE</b>          | <ul style="list-style-type: none"><li>• Yard has a seperate storage space and removal for Hazardous material with negative pressure room.</li></ul>   |
| <b>MOCK DRILL AND TRAINING</b>             | <ul style="list-style-type: none"><li>• There have been a regular mock drill and training for Health, Safety and Environment.</li></ul>   |





# Why Priya Blue?

Health, Safety & Environment (Mock Drill)



# Why Priya Blue?

## Certificates ISO 30000:2009 & OHSAS 18001:2007 from Class NK...



**ClassNK**

**NIPPON KAIJI KYOKAI**

CERTIFICATE  
OF  
SHIP RECYCLING MANAGEMENT SYSTEM

**PRIYA BLUE INDUSTRIES PVT. LTD.**

Registration No. : 15-091SR

Location : PLOT No-V1 with Backyard, Ship Recycling Yard, Sosya (Alang)-364081, Dist. Bhavnagar, Gujarat, India

Applicable Standards : ISO 30000 : 2009

Activities and Products : Ship Recycling Activities & sale of Recyclable Materials such as Steel Equipments, Machineries and sale of Other Materials Obtained from Ship

THIS IS TO CERTIFY THAT the Ship Recycling Management System, having been assessed for registration of the Society's Rules and found to be in compliance with the above-mentioned Standards, has been entered in the Register.

This Certificate is valid until 6 January 2016

Initial Registration 25 September 2015

**NIPPON KAIJI KYOKAI**  
ClassNK  
1-7 Kojima, Chiyoda-ku, Tokyo 102-8587, Japan

**ClassNK**

**NIPPON KAIJI KYOKAI**

CERTIFICATE  
OF  
OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM REGISTRATION

**PRIYA BLUE INDUSTRIES PVT. LTD.**

Registration No. : 15-033HF

Location : PLOT No-V1 with Backyard, Ship Recycling Yard, Sosya (Alang)-364081, Dist. Bhavnagar, Gujarat, India

Standards : OHSAS 18001:2007

Scope of Application : Ship Recycling Activities & sale of Recyclable Materials such as Steel Equipments, Machineries and sale of Other Materials Obtained from Ship

THIS IS TO CERTIFY THAT Occupational Health and Safety Management System, having been assessed for registration of the Society's Rules and found to be in compliance with the above mentioned Standards, has been entered in the Register.

This Certificate is valid until 6 January 2016.

Initial Registration 7 January 2013

**NIPPON KAIJI KYOKAI**  
ClassNK  
1-7 Kojima, Chiyoda-ku, Tokyo 102-8587, Japan

**ClassNK**

**NIPPON KAIJI KYOKAI**

CERTIFICATE  
OF  
ENVIRONMENTAL MANAGEMENT SYSTEM REGISTRATION

**PRIYA BLUE INDUSTRIES PVT. LTD.**

Registration No. : 15-180E

Location : PLOT No-V1 with Backyard, Ship Recycling Yard, Sosya (Alang)-364081, Dist. Bhavnagar, Gujarat, India

Standards : ISO 14001:2004

Scope of Application : Ship Recycling Activities & sale of Recyclable Materials such as Steel Equipments, Machineries and sale of Other Materials Obtained from Ship

THIS IS TO CERTIFY THAT the Environmental Management System, having been assessed for registration of the Society's Rules and found to be in compliance with the above-mentioned Standards, has been entered in the Register.

This Certificate is valid until 6 January 2016.

Initial Registration 7 January 2013

**NIPPON KAIJI KYOKAI**  
ClassNK  
1-7 Kojima, Chiyoda-ku, Tokyo 102-8587, Japan

**ClassNK**

**NIPPON KAIJI KYOKAI**

CERTIFICATE  
OF  
QUALITY MANAGEMENT SYSTEM REGISTRATION

**PRIYA BLUE INDUSTRIES PVT. LTD.**

Registration No. : 15-74E

Location : PLOT No-V1 with Backyard, Ship Recycling Yard, Sosya (Alang)-364081, Dist. Bhavnagar, Gujarat, India

Applicable Standards : ISO 9001 : 2008

Activities and Products : Ship Recycling Activities & sale of Recyclable Materials such as Steel Equipments, Machineries and sale of Other Materials Obtained from Ship

THIS IS TO CERTIFY THAT the Quality Management System, having been assessed for registration of the Society's Rules and found to be in compliance with the above-mentioned Standards, has been entered in the Register.

This Certificate is valid until 6 January 2016.

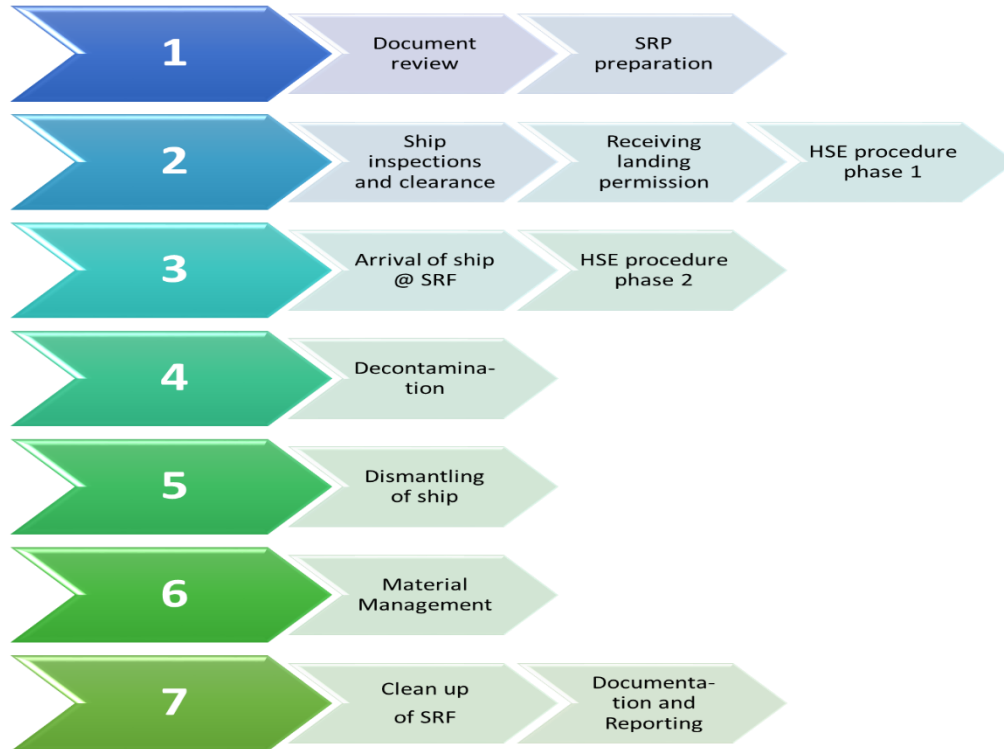
Initial Registration 7 January 2013

**NIPPON KAIJI KYOKAI**  
ClassNK  
1-7 Kojima, Chiyoda-ku, Tokyo 102-8587, Japan



# Ship Recycling at Priya Blue

Below is the process flow and explanations for understanding main steps followed in the recycling process at Priya Blue.



# Step 1 : Document Review & SRP Preparation



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## Review of ship specific documents :

- Ensuring acceptability of ship by comparing:
  - Ships dimensions and type
  - IHM / hazardous materials covered by existing permits (and DASR once available) manageable by SRF equipment (if not planning for alternatives or additional capacities)
  - Restrictions specified by authorities or in RRC (if applicable)
  
- Preparation of ship specific SRP acc. to IMO Guidelines including but not limited to:
  - Preparation of cutting plan
  - Consideration of IHM for planning of HazMat removal and disposal. In case no IMO-conform IHM is provided by ship owner IHM is prepared after landing.



# Step 2 : Prepare for inspections and clearance



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## Prepare for inspections and clearance

- Collection of documents required for clearing the vessel
  - In case of Oil / Chemical Tankers, OBO, Gas Carriers ensure that all cargo spaces are cleaned dry and gas freed with related certificates. Cargo sludge is disposed of as hazardous waste. Exceptions are bunkers required for remaining ship operations.
  
- On arrival at Bhavnagar anchorage:
  - Customs and Immigration board the vessel with ship's agent and inspector from HSE department. Verifying communication equipment, Bunkers ROB, Crew list, last port clearance and other formalities are compliant
  - GPCB boards the vessel and verifies hazardous material declared in "IHM" prepared by master in cargo spaces, deck, accommodation & engine room
    - Inspection of cargo tanks for cleanliness
    - Check of tanks for gas free for hot work conditions
  
- Customs and GPCB gives permission for arrival at SRF
  - Ship is (often after re-location to Alang anchorage) waiting for next appropriate tide
  
- Applying HSE Procedure phase 1
  - Putting ropes along superstructure for allowing oil boom procedure directly after landing in case of a spill
  - Oil spill kit to be kept onboard (if available) and at SRF on stand-by (continued with throughout whole recycling process)
  - Collection of 1st aid and rescue equipment and positioning at suitable locations (see HSE procedure 2)
  - Firefighting equipment on stand-by (continued with throughout whole recycling process)





## Step 2 : Oil spill kit



Oil Spill kit kept on our SRF through out recycling process



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# Step 3 : Arrival of ships at SRF

Arrival of ships at SRF (at high tide allotted by Port Officer)

- Hired master steers vessel under guidance of a pilot
  - Stop of engines
  - Closing of fuel tank lines
  - Crew leaves vessel
- Ship is secured in its position
- Applying HSE Procedure phase 2
  - Bringing SRFs' emergency kit onboard (pilot ladder, life raft, vests, fire extinguisher, oil booms, etc.)
  - Establishing ventilation and lighting by cutting holes into ship's hull at strategic points
- HazMat investigation, labelling and safe removal of loose HazMats
  - All HazMats identified in IHMs and other suspicious / potentially hazardous materials are located and marked for later inspection and removal
  - All loose HazMats are securely packed onboard and shifted to HazMat storage rooms as early as possible
  - Fire sensors and other radioactive materials are delivered to Atomic Energy Regulatory Board
  - Batteries are delivered to approved recyclers
  - Oily residues incl. engine room bilges, used oil from engines and gear box are removed by approved sub-contractor
  - Paint, chemical and consumable stores are removed and stored in SRF or directly sold to traders
  - Furniture and other domestic consumable electronics are stored in SRF or directly sold to traders



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# Step 3 : Arrival of ships at SRF



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# Step 4 : Decontamination and recycling of the vessel

Decontamination and recycling of the vessel (all activities may happen in parallel or/and subsequently) including HSE measures

- Decontamination and removal of remaining HazMats incl. gas freeing and tank cleaning, removal of oil
- Inspection and issuance of “Cutting Permission” by GPCB inspector after checking of tank cleaning



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# Step 5 : Cutting of ship

- Cutting of ship
  - Primary cutting
  - Secondary cutting
  - Third cutting
- Removal of equipment and components
- Successive decontamination
- Pulling of vessel with winches when needed for ensuring safe access and material transport



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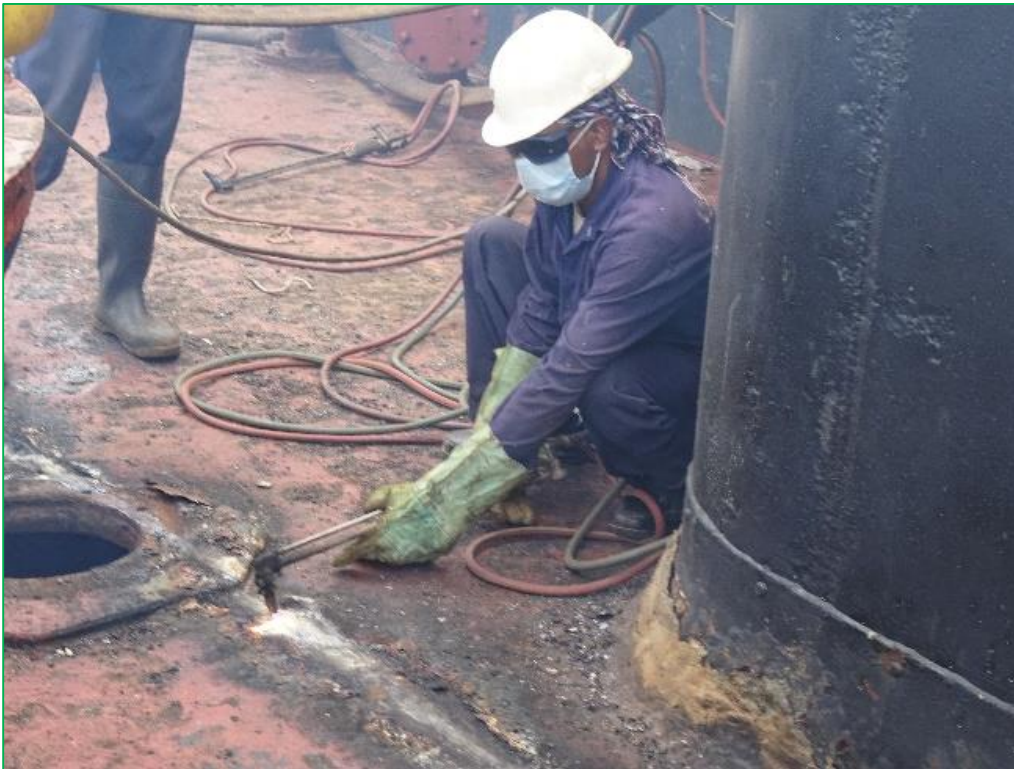




## Step 5 : Cutting of ship



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On Vessel, cutting of big blocks



Blocks are ready to be lifted by crane to secondary cutting zone.



# Step 5 : Cutting of ship



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Blocks ready to be lifted by crane to secondary cutting zone.



Blocks being lifted by crane from ship to secondary cutting zone



## Step 5 : Cutting of ship



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Blocks being lifted by crane from ship to secondary cutting zone



# Step 5 : Cutting of ship



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Blocks being cleaned at secondary cutting zone





# Step 5 : Cutting of ship



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Blocks being cleaned at secondary cutting zone



## Step 5 : Cutting of ship



Oily water being spilled into drainage system while cleaning of blocks at our SRF



Oily water that is spilled into drainage is collected in bilge water tank at our SRF to be disposed off to GEPIL (TSDf)



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# Step 5 : Cutting of ship



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After cleaning, blocks being moved to third cutting zone



# Step 5 : Cutting of ship



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Blocks being cut in small size in third cutting zone





# Step 6 : Material Management

## ➤ Material Management

- Sorting of material
- Overhauling
- Waste segregation, labeling and storage
- Disposal of waste
- Trading of valuables incl. Components and equipment



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# Step 6 : Material Management



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# Step 7 : Clean up of SRF

➤ After finalization of ship recycling, prepare and send reports and documentation to Ship Owners:

- Incident reports
- Waste manifests
- Statement of Completion



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# Yard Visit



**Priya Blue Industries Pvt. Ltd. would like to welcome your company's delegation to visit our yard.**

Below are the contact details of the concerned person handling the inspections :

Satish Kumar Singh

Email : [satish@priyablue.com](mailto:satish@priyablue.com) ; [priyablue@priyablue.com](mailto:priyablue@priyablue.com) ; [marketing@bol.ae](mailto:marketing@bol.ae)

Mobile : +91 9375206999

Designation : Safety officer

