



MAIN NEWS

‘Consistency In Safety Compliance’, ESM Commences First Tranche Of Officer’s Seminars For The Year

Safety isn’t expensive, it is priceless. The recently concluded Junior Officers seminars on 25th and 27th March’19 at Chandigarh and Delhi respectively, witnessed sharing of invaluable experiences and knowledge on the theme. Engaging discussions, onboard situation role play and case studies added impetus in driving the key message amongst the participants.

The events were also marked with light moments where personal sailing experiences were shared. Mrs. Abha Saxena, wife of CO Ashitosh Saxena and Mrs Supneet Kaur, wife of 2E Jobanwant Singh Grewal shared their nostalgic onboard journeys via video clips at the Chandigarh Seminar. At the same event, CE Hardeep Singh Hunjan, who completed 10 years of service this year, shared his lively journey at ESM through pictures and clips of his life at sea and special moments onboard with his family. 3E Mr. Nitin Yadav at the Delhi event, who also completed a decade in the company shared his experiences

onboard. Both were recognized with mementos for their long meritorious service with ESM at the events.

The seminars continued the focus on engaging the Junior and Senior Officers with relevant industry topics. Whilst both the events commenced with a session taken by Ms Sikha Singh, Deputy CEO, Executive Group, on the Executive Group ethos and company’s fleet growth; the ESM shore team led industry discussions.

Situation role-play on how to react and handle stressful navigational situations were conducted

in both the seminars with the guidance of Capt Sumit Bhagat, DPA, ESM Singapore. Participants Capt Amit Bikram & 20 Ankush Sood at the Chandigarh event and Capt Sajal Jain, CO Ricky Sareen, 30 Paripurn Gupta at the Delhi event, indeed took up the tasks with conviction! Capt Sumit also took up pertinent discussions on market scenario and environment management legislations which saw enthusiastic exchange of views from various Officers. At the Chandigarh event, CE Rajesh Rana and 30 Prabhjot Singh added their own inputs on how to optimize expenses for owners to enhance reputation.



SAFETY MOMENT OF THE MONTH

Pressure Washer Injures Two Crew

*** Note : This monthly safety moment is collected from various sources for educational purpose and is not necessary an actual incident from the ESM fleet.*

While carrying out a descaling operation using High pressure water cleaner (hydro blaster), the high-pressure hose suffered a sudden leak and started spraying water near the operating crew. Although both crews donned required PPE viz. helmet, full-face mask, dust mask, overalls, gloves and boots, the unexpected force of the pressurized water leak caused them to lose control. They suffered from the backlash of the uncontrolled hose sustaining minor injuries. These injuries were then treated with first aid.

Lesson Learned

- Thorough inspection of all powered or pressurized equipment and tools shall be carried out before use for condition and damage.
- PPE required for the job in hand must be worn which will prevent injuries or, as in this case, reduce the severity of the injuries considerably.



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Letter of the Month



The remnants of winter still in the air, here's the newsletter for the month of April with fresh news and activities of the previous month that we witnessed through the organisation.

While we have the news of the spirited celebration of Holi- the festival of colours on board and ashore, we bring to you the report of the Junior officers seminars held at the capital city Delhi and Chandigarh - the Designer city up north of Delhi respectively.

The participants of the seminars - mostly ex- alumni of SIMS, Lonavala brought in their old bonhomie and comradery from their days in the campus. Meeting those scores of Junior officers who had driven down hundred of miles to participate in the seminars was indeed heartwarming. It emphasized the dedication and enthusiasm of these officers in joining the platform of shared experiences and values. The seminars as intended were not just the forum for learning but a platform for the shore and the sailing team to share their understandings, knowledge and bringing the ESM team a step further and stronger.

The seminar also once again underlined the strong professionalism and knowledge of our sailing staff who confidently faced the queries and quizzes that their technical and marine superintendents threw at them. Well done! We would indeed be holding more such sessions of interactions and shared experiences in order to strengthen the bond between the shore and the sailing teams within the year.

The health, technical and environment related articles in the newsletter are once again being chosen keeping in mind the relevance to the industry. They provide food for thought while encouraging improved awareness in the sector. The article on Cooling water treatment and maintenance is sure to induce interest among our engineers while the health topic of adverse effect of smoking could not be more emphasized.

Apart from our regular areas of interest including the new take over of ships, joining of fresh officers from SIMS and the birthday list, we are happy to announce the quarterly award winners. Hearty congratulations to the winners as needless to say, the road to the achievement was definitely tough!

We are especially happy to congratulate the two shore employees for their achievements outside their regular scope of work. Associate manager Mr. Murugan S from ESM, Chennai and Engineering faculty Mr. Elsten Fernandez of SIMS, Lonavala are two examples of hard work and excellence we are very proud to have as part of the organisation. Wish them more such achievements in future!

Belated Happy Holi and wishing you all a safe and healthy life on board,
Sikha Singh

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TECHNICAL NEWS

Cooling Water Treatment and Maintenance

A lot of importance is logically provided to the matter of lubrication in Diesel Engines onboard a vessel, however there is insufficient awareness about importance of cooling water in Diesel Engines and its correct treatment. During combustion (operation) of the Engines, the temperatures of the gases are extremely high and without proper cooling, the engine will eventually malfunction with its constituents damaged. To prevent this overheating, the marine engines are cooled with water – entering at the bottom of the engine at the cylinder liner jacket spaces, passing through the cooling water spaces of cylinder head, cooling bores in the exhaust seats, exhaust valves and finally out from the engine to the expansion tank.

In this article, the importance of maintaining the cooling water quality in optimum condition with regards to usage of distilled water (generally thought to be applicable only for Boilers), suitable addition of Inhibitors and maintaining uniform temperature through the start-up of the engine is highlighted.

The cooling water treatment should not be differentiated for 2-Stroke and 4-stroke engines, and as you will know most of the vessels have common expansion tank for both engine types.

The cooling water of engines should be distilled water (de-mineralized) with proper dosing of chemicals for keeping effective cooling and preventing corrosion of system.

It is optimal to store fresh water generated onboard and use same for replenishment for use in Engine room (such as boiler water, etc.) as required. However, if the distilled water from fresh water generator, is not available, potable water may be used as cooling water after softening and with addition of chemicals according to the makers' specifications. At the earliest opportunity the cooling water should be changed back to distilled water.

The distilled water matches best to the requirements for cooling water, However, it is necessary to add corrosion inhibitor, because untreated distilled water absorbs carbon dioxide from the air and then becomes corrosive. Note that chloride and sulphate are corrosive even in the presence of an inhibitor. The nitrite concentration is important to be maintained to ensure cooling system remain corrosion free.

It has been seen numerous times that there are leakages from cooling water jackets of Main Engine - Cylinder head or liner jacket, and insufficient action is taken to "arrest" this leakage. There may be various

reasons (read "excuses") for not resolving the cooling water leakages, ultimately resulting in leakages being neglected.

The images below indicate the poor condition of the Jacket spaces, Fuel valve and Exhaust valve cage:



Aux. engine exhaust valve seat ring



Main Engine cooling Water connection & exhaust valve seat bores

The tell-tale signs indicating improper maintenance of Cooling water, i.e. its treatment: -

- Leakage - from the cooling water jacket of Liner and Cylinder heads
- Leakages from the entablature Plugs / Exhaust valve seats / Fuel valve inserts
- Cracking of ME Liner jackets & Cylinder head Jackets.
- Cylinder head bolts breaking at the entablature
- Worst case scenario - Engine Liner having excessive wear and cracking.

Following reasons are attributed for fractures/ failure of Main Engine Liner & liner jacket, Cylinder head including exhaust valve & cylinder head jackets, cylinder head holding bolts, cooling water pipelines:

Inadequate cooling water treatment & upkeep, which lead to following -

- Internal corrosion and material wastage
- Blocking of cooling water passages/ bores in Cylinder head and Exhaust valves.
- Stress corrosion cracking
- Excessive rust/ scale and mud development in cooling water spaces
- Overheating/ uneven thermal expansion of cylinder cover causing excessive stress on jacket cover

Thus, leading to unwarranted additional expenses for the Owners/ losses to the Charters, Owners and loss of reputation.

The leaking cooling water, due to poor maintenance of the cooling water treatment standards, forces the ship's staff to stop the cooling water pumps and shutting the valves to prevent loss of water. Hence the Main Engine's pre-heating is also stopped. Due to stoppage of pre-heating on account of prevailing leakages in cooling water system, large temperature variations of the cooling water are likely to be caused with inadequate cooling water treatment compounding the situation to alarming levels.

The control of Cylinder Wall temperature is very important for Piston ring and cylinder liner wear and also for cylinder performance – which is not possible due to leakages.

The cooling water temperature for the main engines is specified as 80 to 82 deg. C, at Cylinder outlet with good service results.

Following deteriorations are reported due to sudden increase of cylinder wall temperature depending on the operating load,

- Poor gas sealing of piston ring.
- Stick of piston ring/ breakage of piston rings
- High piston ring wear
- Plastic deformation of cylinder liner – increased liner wear.

The deterioration in conditions could be somewhat improved by reducing the cylinder cooling water temperature to 60 to 70 deg. C without cold corrosion. What needs to be done:

Ensure the cooling water is maintained in optimum condition of treatment and the engines are maintained at optimum pre-heat temperature at all times when the engine is standby-

- Ensure any and all leakages in the cooling water system are rectified immediately.
- Any loss of cooling water is compensated with distilled water only.
- Monitor the cooling water treatment weekly and maintain: Nitrite (NO₂) ppm = 1500 to 2400 ppm & Chloride (Cl) ppm = <40

The chemicals supplied on our fleet vessels - Unitor (Rocor NB Liquid or Dieselguard NB power) and Drew Marine (LiquideWT) should be used as per makers' recommendation basis cooling water system capacity to prevent metal corrosion and wastage.

Most importantly, any leakages in the cooling water system MUST be rectified at the earliest & as far as practicable - Immediately.

AWARDS AND ACCOLADES

Executive Incentive Awards for 1st Quarter 2019

Executive Incentive Awards for Catering Crew: Best Cooks

- | | |
|---------------------------|----------------|
| 1. Sasi Thulichery | Amore Mio |
| 2. M.Panneerselvam | Lr2 Eternity |
| 3. Appa Rao Pukkala | Atlantic Crown |
| 4. Om Prakash | E Pioneer |
| 5. M. Naseem Shaikh | Palanca Maputo |
| 6. Prasad Dashrath Kambli | Kanala |
| 7. Pranav Preetha P. | FS Endeavor |
| 8. Nemai Mandal | The Deputy |
| 9. Parimal Kunti | The Sheriff |
| 10. Pramod Singh | GSW Future |

Executive Incentive Awards for Catering Crew: Best General Stewards

- | | |
|----------------------------------|---------------------|
| 1. Nileshbhai Devjibhai Jethwa | Aframax Rio |
| 2. Kialash Devchand Solanki | Alpine Mystery |
| 3. Kiran Kumar Tandel | Forres Park |
| 4. Ishvarbhai Bhagvanbhai Tandel | Houyoshi Express II |
| 5. Dheeraj Singh Parihar | Kanala |
| 6. Vicky Rameshbhai Tandel | Lr2 Eternity |
| 7. Tandel Saileshkumar Dolatrai | Salminia |
| 8. Arjun Aravath Vettil | Uacc Eagle |
| 9. Vijay Phalke | Eacc Ras Lafan |
| 10. Tai Sandeeyya | Spruce 2 |



MIND YOUR BODY

Dental Research Shows Smoking Weakens Immune Systems Of Teeth

A study conducted by researchers from the Case Western Reserve University School of Dental Medicine, Cleveland, USA has found that smoking weakens the pulp in teeth. Adding to the negative health effects of smoking, a complete depletion of this immune defense mechanism will result in increased vulnerabilities to dental – related illnesses and disease.

According to the World Health Organization (WHO), 1.1 billion people or one in three adults are smokers. Smoking harms nearly every organ in the body. It can cause cancers such as lung and oral cancers; Lung disease such as COPD (Chronic Obstructive Pulmonary Disease), high blood pressure and heart – related problems due to damage to and thickening of blood vessels, blood clots and stroke, vision problems such as cataracts and macular degeneration (AMD) and nicotine addiction.

Effects of smoking is a widely researched topic. Adding to this, researchers at the Case Western Reserve University School of Dental Medicine, Cleveland, USA decided to examine the effects of smoking on the inside of teeth. They found that smoking weakens the ability for pulp in teeth to fight illness and disease, leaving smokers with few to no defense mechanisms.

Tooth pulp is the most vital part of the tooth. Located in the centre, underneath the enamel layer, it consists of living blood vessels, connective tissue and large nerves.

The pulp has several important functions, sensory functions such as pain from trauma, differences in

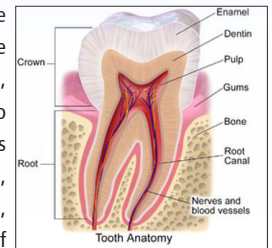
temperature and pressure caused by pulp stimulation. It is responsible for the formation of dentin (second layer of the tooth) and contains blood vessels that keep blood flowing to prevent the tooth from becoming brittle by keeping it moisturized and nourished.

To conduct this study, researchers included a big group of 32 smokers and 37 non-smokers with dental – tissue inflammation. Samples were collected from pulp chambers and stored in phosphate-buffered saline to maintain pH levels. They were later measured using enzyme-linked immunosorbent (an analytical biochemistry testing method), with other measures placed to ensure both fairness and accuracy.

Observing the dental pulp of these respective groups, they found a complete depletion of immune defense mechanisms in the tooth pulp of smokers with worse outcomes than non-smokers. Smokers too were nearly two times more likely to require a root canal. They experience delayed healing in oral wounds, attributable to the high levels of tar and other chemicals found in cigarettes that made immune systems less effective at fighting off infections. It was additionally related to lack of nutrients, minerals and oxygen supplied to the tissue through the bloodstream due to the tightening of blood vessels.

Interestingly however, researchers found that the depletion of immune defenses in teeth was reversible as they returned for a number of participating smokers who quit smoking.

Along with the depletion of immune systems in teeth, smoking leads to many dental problems such as bad breath, tooth discoloration, increased buildup of plaque and tartar on the teeth. It can also result in increased loss of bone within the jaw, risk of leukoplakia or white patches inside the mouth as well as gum disease, a leading cause of tooth loss and delayed healing for dental treatments.



This habit requires immense dedication to quit as it is both a physical and psychological addiction. Eliminating it causes the body to experience withdrawal symptoms and cravings. As nicotine makes has a “feel good” effect on the brain, many smoke to cope with stress, depression, anxiety or boredom. Quitting would mean finding healthier ways to cope with such feelings.

Stop smoking with a START plan:

S = Set a quit date.

T = Tell family, friends, and co-workers that you plan to quit.

A = Anticipate and plan for the challenges you’ll face while quitting.

R = Remove cigarettes and other tobacco products from your home, car, and work.

T = Talk to your doctor about getting help to quit.

ENVIRONMENTAL NEWS

Rising Sea Levels Threaten Low-Lying World Heritage Sites

Researchers from the Kiel University (CAU), Germany have found that most UNESCO World Heritage Sites in low-lying coastal areas are at risk of storm surges and coastal erosions due to the predicted rise in sea levels. A climate issue, attributable to melting glaciers, it highlights a need for preparedness for the consequences especially for countries with these sources of heritage located near the coast.

Many beautiful UNESCO World Heritage Sites such as the Piazza del Duomo in Pisa, Italy, the Medieval City of Rhodes in Greece and more can be found in low-lying coastal areas. A few of these sites are located along the northern Adriatic Sea, where sea levels are highest due to storm surges.

Storm surges refer to the rising of the sea levels as a result of wind and atmospheric pressure changes caused by storms. Coastal erosion refers to the loss of coastal lands due to the removal of sediments from the shoreline. For the study, researchers created a database of all UNESCO World Heritage Sites in low-lying coastal areas of the Mediterranean region. Details such as heritage type, coastline distance and the sites locations in urban or rural surroundings were taken into account in the database.

Using flooding simulations of different predicted scenarios of sea-level rise, researchers were able to develop various risk considerations for both floods and erosions. Flood risks considered potentially flooded areas and maximum flood depth of each site. The erosion risk took into account the distance of each site from the coastline and the physical properties of the coast such as sandy or rocky and more.



Predicted sea-level rise scenarios ranged from global warming capped at a two degrees increase, to a scenario in which greenhouse gas emissions continue unabated, resulting in a massive temperature increase of 3C to 4C by 2100. Based on this, an average sea-level rise of 1.46 meters in the Mediterranean by 2100 was assumed where researchers found that the risk posed by storm surges under today's weather and climate conditions may increase by up to 50 percent. Coastal erosion too was up by 13 percent.

In 2013, the United Nations climate science panel estimated that global oceans could go up by 76 per cent by the end of this century. However, recent studies, which take into account the main contributor to rising sea-levels, the melting of ice sheets now show that the percentage estimated is too conservative.

Even under the most optimistic of scenarios that reduce climate change, sea levels will continue to rise. UNESCO World Heritage sites are very significant landmarks that are protected under international treaties. Such sites have both cultural and natural heritage, are

irreplaceable sources of life and inspiration as well as a form of economy. A legacy from the past, we are obliged to pass it well, on to future generations.

However, there is little that can be done to prevent damage if the first protection initiative is not taken by the base country itself. Although the threat of rising sea-levels seems inevitable, and something that should be and has been addressed on a larger scale, albeit, slowly we, as individuals can certainly do our part by reducing our carbon footprint. Each and every effort counts.

Here are some ways by which we can do so:

- Reduce food wastage and eat lesser meat
- Recycle items whenever possible
- Use reusable bags instead of plastic ones
- Grow more plants around
- Use reusable bags instead of plastic ones
- Make an effort to take more public transportation
- Conduct energy audits at home to evaluate how much of energy is being used and wasted

Holi Celebrations Onboard FS Endeavor

Recreating the spirit of Holi - the Indian festival of spring and colors, the crew onboard FS Endeavor marked the day with colorful celebrations and activities on 21st of March whilst at sea.

Activities such as comedy show enacted by the crew, indoor games and special meals kept the crew on high spirits with a chance to unwind. A

limited area on deck was allocated for the crew to use non-fast colors for the celebrations, which was subsequently cleaned up thoroughly after the event.

We congratulate Master, Capt Mahendra Singh and Chief Engineer Joe Pereira for the initiative of remembering home, away from home.



HAPPY BIRTHDAY!

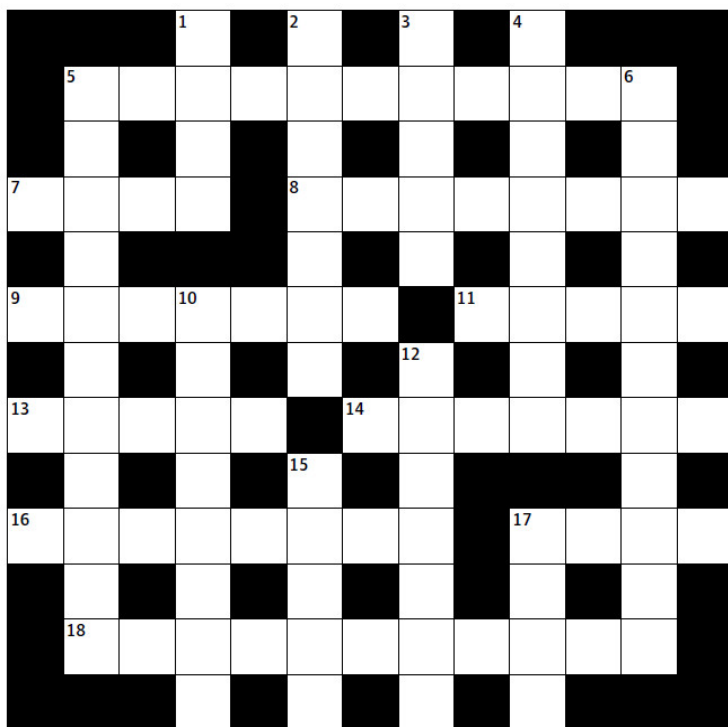
CREW BIRTHDAYS

Many Happy Returns to the following on their Birthdays during the month of Apr 2019!

NAME	BIRTHDAY	VESSEL	NAME	BIRTHDAY	VESSEL		
MST	SYLROY SAVIO MENEZES	02/APR	MAETIGA	CE	ARUN KUMAR KESHAVA	24/APR	GSW FUTURE
MST	MICHAEL GUTIERREZ HERNANDEZ	10/APR	CRIMSON PRINCESS	CE	SANDEEP SUNIL PATHAK	11/APR	LAPEROUSE
MST	SOMESH KUMAR	11/APR	BAKU	CE	YATIN ASHOK YADAV	19/APR	FS SINCERITY
MST	SAQIB AHMEDALI SYED	27/APR	GRAN COUVA	CE	SELVAM KATHALEESWARASWAMY	05/APR	LR1 CARRIER
CO	ARUN SIDDHARTH ARORA	02/APR	ATLANTIC CROWN	CE	VENKATESAN RAMAIYAN	19/APR	ALHANI
CO	JOYDEEP JOSEPH GHOSH	12/APR	CRIMSON KNIGHT	CE	SURAJ EDAVILANGAL SUKUMARAN	05/APR	SAMRAA ALKHALEEJ
CO	CHIRAG GOYAL	23/APR	BAKU	CE	CICIL GNANA PANI RAJ PAUL SUBBIAH	16/APR	AFRAMAX RIO
CO	MAYANK TYAGI	29/APR	GRAN COUVA	CE	RAJENDRA SINGH DARIYAL	30/APR	AFRAMAX RIVIERA
CO	ROBIN SOMNATH SENGUPTA	24/APR	MARLIN APATITE	CE	SUKHJIT SINGH	15/APR	CRIMSON KNIGHT
CO	DEVINANDAN PURUSHOTTAM SHETTY	26/APR	SALAMINIA	CE	PRAMOD KUMAR	26/APR	MARLIN SUEZ
CO	MAGESH ARANGASWAMY	10/APR	YAMABUKI	2E	MULKEET SINGH	22/APR	MARLIN MARVEL
CO	FERNANDO AGNEL ANTO	11/APR	MARLIN AVENTURINE	2E	TIRUMALA PHANI KUMAR BUDDANA	01/APR	LR1 AMBASSADOR
CO	VISHAL BISHT	04/APR	MARLIN MAGNETIC	2E	SAURABH KUMAR SINGH	27/APR	MARLIN MYSTERY
CO	SURESH SINGH	13/APR	AGRIOS	2E	PEEYUSH SHANDIL	13/APR	MARLIN MAGNETIC
20	EDWIN JR LILANG ABID	07/APR	BITUMEN EIKO	2E	PRATYUSH DIKSHIT	23/APR	UACC SHAMS
20	JONELL ALMONIA BALLEDO	30/APR	NEW HORIZON	2E	YUVARAJ KRISHNAMOORTHI	10/APR	GS FIGHTER
20	DURGESH SHARAD PATANKAR	22/APR	GSW FUTURE	2E	GLAN ANDREW DSOUZA	23/APR	SUMAC
20	BRENLY FRANKLIN DCOSTA	19/APR	EVER GENIUS	3E	UMANG DEEP	17/APR	UACC EAGLE
20	MANOJ KUMAR	14/APR	MAREX NOA	3E	RAMAN SHARMA	24/APR	MAETIGA
20	ABHISHEK ASHRAMAM SUDARSANAN	25/APR	GUNESHLI	3E	RENJITH REGHUNADHAN KANNARA	19/APR	MARLIN AVENTURINE
20	SANDEEP SINGH	29/APR	PRINCESS MARY	3E	SHREEPOORNA KAVOOR RAO	29/APR	MARLIN AZURITE
20	HARSIMRAN SINGH SHERGILL	30/APR	LAPEROUSE	3E	SANDEEP PUTTUR HARISHCHANDRA	03/APR	EAGLE EXPRESS
20	LIKHIN GOPI LISA	29/APR	MAEA	3E	VIRENDRA SINGH	10/APR	ALQADISIA
20	ATHIL VALLATHERIL THAMPI	12/APR	PALANCA CADIZ	3E	GOURAV HANDA	20/APR	HIGH JUPITER
30	AKASH SIROHI	18/APR	AFRAMAX RIO	4E	MARK LOUIE ALVERO DELLOMES	17/APR	CRIMSON PRINCESS
30	AJIL SUNNY	21/APR	SUMAC	4E	MANOJ KUMAR	17/APR	GUNESHLI
30	PARMINDER SINGH MATHAROO	25/APR	ARIAKE	4E	SARTAJ SINGH	07/APR	YAMABUKI
30	MANISH KUMAR GODARA	23/APR	FORRES PARK	4E	PREMKUMAR MADHAVRAO PATIL	20/APR	ASTRID
CE	SANJAY KUMAR SHARMA	10/APR	UACC FALCON	4E	MAHESHWARAN RAJENDRAN	30/APR	AGRIOS
CE	DAYARAM RATAWJIYA	19/APR	CLAXTON BAY				
CE	MURUGAN SIVARAMAN	15/APR	MARLIN MAGNETIC				
CE	DIPU SREEDHARAN SUSHAMA	30/APR	CARTAGENA				
CE	DAVINDER SHARMA	22/APR	FORRES PARK				

PUZZLES

CROSSWORD PUZZLE



Across

- 5 Vodka and orange juice (11)
- 7 Highly excited (4)
- 8 Nonconformist (8)
- 9 Old ship – cooking utensil (7)
- 11 Intense nervous excitement or anticipation? (5)
- 13 Milky coffee (5)
- 14 Cut of beef from the breast or lower chest (7)
- 16 Swift’s land of tiny people (8)
- 17 Sudden jerk (4)
- 18 Huge oil transporter (11)

Down

- 1 Steep rugged rock (4)
- 2 Person moving through water (7)
- 3 Meat jus (5)
- 4 Abroad (8)
- 5 Heavenly archer (11)
- 6 Nelson __, Gerald Ford’s vice president (11)
- 10 Springbok or gnu? (8)
- 12 Narrow-bladed cutter (7)
- 15 Flicker – provoke (5)
- 17 Gag (4)

	1	2	3	4	5	6	7	8	9
A			9		3		4		
B	8	7				9			
C		3			8		9	1	
D	9			5					3
E			5		4		2		
F	1					6			4
G		5	4		6			2	
H				8				4	9
I			8		1		6		

SUDOKU OBJECTIVE

The objective of the game is to fill all the blank squares in a game with the correct numbers. There are three very simple constraints to follow. In a 9 by 9 square Sudoku game:

- Every row of 9 numbers must include all digits 1 through 9 in any order
- Every column of 9 numbers must include all digits 1 through 9 in any order
- Every 3 by 3 subsection of the 9 by 9 square must include all digits 1 through 9

** All answers will be provided next issue.



COURSE SCHEDULE - APRIL 2019 TO JUNE 2019

SIMS Mumbai - DG Approved Courses

COURSE	DURATION	DATES
Basic Training for Oil and Chemical Tanker Cargo Operation (BTOCT)	6 days	On Request
Specialized Training for Oil Tanker Course (TASCO)	10 days	On Request
Specialized Training on Chemical Tanker Operation (CHEMCO)	10 days	On Request
Specialized Training on Gas Tanker Operation (GASCO)	10 days	On Request
Ship Manoeuvring Simulator (SMS)	5 days	28 Apr, 27 May, 24 June

SIMS Lonavala - DG Approved Courses

COURSE	DURATION	DATES
Electronic Chart Display and Information System (ECDIS)	5 days	01 Apr, 06 May, 10 Jun
Engine Room Simulator - ML	5 days	08 Apr, 13 May, 17 Jun
Engine Room Simulator - OL	3 days	15 Apr, 20 May, 24 Jun
Free Fall Lifeboat (FFLB)	2 days	02 Apr, 02 May, 25 Jun

SIMS Mumbai - Offshore Courses

These courses are not approved by the Director General of Shipping, Government of India, Mumbai

COURSE	DURATION	DATES
Basic H2S (OPITO Approved)	½ day	On Request
DP Basic (N.I Approved)	5 days	01 Apr, 15 Apr, 06 May, 20 May, 01 Jun, 15 Jun
DP Advanced (N.I Approved)	5 days	08 Apr, 22 Apr, 13 May, 27 May, 08 Jun, 22 Jun
DP Maintenance	5 days	Every Monday

SIMS - Value Added Courses

These courses are not approved by the Director General of Shipping, Government of India, Mumbai

COURSE	DURATION	DATES	COURSE LOCATION
FRAMO Cargo Pumping System (FRAMO)	3 days	01 Apr, 02 May	Mumbai
ME Engine	2 days	On Request	Mumbai
Turkish Straits Dardanelles & Bosphorus (TSDB)	2 days	On Request	Mumbai
Ice Navigation	2 days	On Request	Mumbai
Large Vessel Manoeuvring (LVM)	2 days	On Request	Mumbai
Bridge Team Management	5 days	On Request	Mumbai / Chandigarh / Kochi
Marine Electrical Practice (MEP)	5 days	28 Apr, 27 May, 24 Jun	Mumbai
Chartworld ECDIS	2 days	On Request	Mumbai / Chandigarh / Kochi / Kolkata
JRC – ECDIS (JAN-7201/9201 JAN-701/901M/701B/901B/2000) 2 days	2 days	On Request	Mumbai / Chandigarh / Kochi / Kolkata
TRANSAS ECDIS (NAVI SAILOR 4000)	2 days	On Request	Mumbai / Chandigarh / Kochi / Kolkata
ECDIS SIMPLIFIED	1 day	On Request	Mumbai / Chandigarh / Kochi / Kolkata
Port State Control & Oil Major Inspections (PSCOM)	2 days	On Request	Mumbai / Chandigarh / Kochi / Kolkata
Risk Assessment	1 day	On Request	Mumbai / Chandigarh / Kochi / Kolkata
Incident Investigation	1 day	On Request	Mumbai / Chandigarh / Kochi / Kolkata
Maritime Resource Management (MRM) (All Academy, Swedish Transport Agency Approved)	4 days	On Request	Mumbai / Chandigarh / Kochi / Kolkata
Furuno ECDIS	2 days	On Request	Mumbai / Chandigarh / Kochi / Kolkata

SIMS Advantage

- State-of-the-art training facilities
- Central booking for all courses from Mumbai
- Mumbai campus located at Govandi, barely 20 mins from Seamen's Club
- Reasonably priced accommodation available close to Mumbai campus
- Transportation and hostel facilities at Lonavala
- Online booking facilities on www.samundra.com

- SIMS conducts '**Human Element, Leadership and Management Course - Operational and Management Level**'

- We conduct **FRB - Fast Rescue Boat Course**
- We conduct 2 days **DG Approved FFLB Course**
- We also conduct **High Voltage Course** at SIMS

For Course Bookings, Please Contact:

Email for Offshore Courses: dp@samundra.com
Email for all other courses: training.sims@samundra.com

SIMS Mumbai

5th Floor, Sai Commercial Building, BKS Devshi Marg, Govandi Station Road, Govandi East Mumbai, PIN- 400088 India
Tel: (91)22 67031571/67993545 . Fax: 67993546 . Mobile: 9819811366
<https://goo.gl/maps/AbqJKfk2Mty>

SIMS Lonavala

Village Takwe Khurd, Mumbai-Pune Highway (NH4), Lonavala, Dist. Pune, Maharashtra - 410405
<https://goo.gl/maps/4J9Y2BE1NT2>

SIMS Chandigarh

CVU-1 Central Plaza, Sector 105, Mohali Hills, Banur Landran Road, Greater Mohali
<https://goo.gl/maps/RvwukP914RS2>

SIMS Kochi

ESM Complex, Near Gold Souk, St. Rita's Road, Ponnuruni, Vyttila PO, Kochi 682019
<https://goo.gl/maps/YyTJJaHbKw32>

SIMS Kolkata

Godrej Genisis, Unit No #503, 5th Floor, Plot #11, Block E.P & G.P, Salt lake, Sector V, Kolkata 700091
<https://goo.gl/maps/4nUiq1CrSuN2>

NEW JOINERS

SIMS Cadets Joining the Fleet as Officer

Adding to the growing number of cadets from SIMS Lonavala who join onboard ships managed by ESM as Officers, are the following:



- | | | | |
|-----------------------------|-----------------|---------------------------------|-----------------|
| 1. JO SAHIL CHHABRA | LUBERSAC | 9. JE SHUBHAM VIJAYRAO KASHIKAR | MARLIN MARVEL |
| 2. JO HARMANPREET SINGH | AZERI GAS | 10. JE SAGAR DATTATRAY TARI | SALAMINIA |
| 3. JO MUHAMMED AZHARUDDIN | UACC Ras Tanura | 11. JE SHUBHAM BERA | LR2 ETERNITY |
| 4. JO SHIVAM BANSAL | LR1 AMBASSADOR | 12. JE ANKIT TANDON | MARLIN APATITE |
| 5. JO TAMANDEEP SINGH | PALANCA CADIZ | 13. JE NANDAN SHARMA | PALANCA MIAMI |
| 6. JO JINO JOB | UACC RAS LAFFAN | 14. JE DHEERAJ BHASKARA KULAL | MARLIN AZURITE |
| 7. JO RANJODH SINGH | PALANCA MUSCAT | 15. JE AJAY SINGH RAWAT | MAREX NOA |
| 8. JE SWAPNIL DINKAR SAWANT | AZERI GAS | 16. JE NILESH RAJENDRA PATIL | MARLIN MAGNETIC |

PUZZLES ANSWERS FOR ISSUE 167



	1	2	3	4	5	6	7	8	9
A	5	2	9	6	3	1	4	8	7
B	8	7	1	4	2	9	5	3	6
C	4	3	6	7	8	5	9	1	2
D	9	4	2	5	7	8	1	6	3
E	7	6	5	1	4	3	2	9	8
F	1	8	3	2	9	6	7	5	4
G	3	5	4	9	6	7	8	2	1
H	6	1	7	8	5	2	3	4	9
I	2	9	8	3	1	4	6	7	5

MAIN NEWS

Continued From Page 1

Capt V Krishnan, Superintendent, ESM Mumbai, presented on Safety equipment onboard, VIQ Update and Challenges in MEG 4 compliance. 20 Pankaj Kaushik at the Chandigarh event shared his experience onboard where Master refused to take shortcut on main route of the ship that saved them from a potential hijack threat. Capt Krishnan also conducted energizing team activities that kept the participants spirited.

Machinery maintenance and personal safety/hygiene discussions were led by Mr. Chetan

Kushte, Assistant Fleet Manager ESM Singapore, who offered various examples to drive home the point that machines are only as good as the engineers running them. Participating Officer CE Hardeep Human brought out recent cases where ship shore collaborations solved machinery issues effectively and quickly.

The seminars took an interesting turn during the highly engaging session of 'What Next'. Participants were presented with a partial video clip and were asked for the most probable

outcome of the video – would it turn into an accident/incident, near miss or nothing. This thought provoking game and the ensuing discussions brought out various views of the Officers and concluded with clearer concepts of accident/near miss situations.

Concluding the day-long seminars, Capt Sumit Sahini, Assistant Director, ESM Mumbai, conducted an open session on various company and crew welfare practices. This was followed by a feedback session and an interactive evening between the shore and sailing staff at the dinner event.

17 Senior Officers and 56 Junior Officers attended the successful seminars across the two-city event.



Congratulations



Associate Manager Murugan S. at ESM Chennai office recently completed his MBA in Human Resource management from Manonmaniam Sundaranar University with a first class distinction.

Murugan completed the two year correspondence program through weekend classes whilst managing his full time job at ESM efficiently. Mr

AK Sridhar, General manager, ESM Chennai noted, "Murugan joined us as a Admin Supervisor in 2013 and his attributes of honesty and determination struck out from day one. Today he handles all administrative activities in Chennai and was elevated as Associate Manager in 2018. I see a bright future for him".

Congratulations Murugan on your achievements and we wish you many more well deserved successes in the future!



Engineering Faculty, Mr. Elsten Fernandez, author of four textbooks on Marine electrical engineering programs, was felicitated at an industry event in Mumbai for his contributions in marine education.

Hosted by the trade magazine 'Maritime Destination' on the 08th of March, the event recognized authors from across the Indian Maritime Industry for their contributions in developing marine books with continued updated versions as technology advanced. His award winning work includes the various editions of Marine High Voltage Technology, Competency in Marine Electrical Engineering, Marine Control Technology and Marine Electrical Technology books.

Heartiest congratulations to Mr. Elsten Fernandez and wishing him luck on his future books endeavours.

ESM NEW TAKEOVER & DELIVERY

Three Vessels Join The ESM Fleet In March

A delivery and two vessel takeovers namely Ever Gentle, Marlin Marvel, Marlin Magnetic respectively joined the ESM fleet this March.

Container vessel, Ever Gentle, was delivered from the Imabari Shipbuilding, Marugame, Japan to the management on 16th March 2019. Our heartiest congratulations and safe sailing to Captain Robin Verma, CE Sushilkumar Marutirao Sajjankar, CO Nikhil Pandurang Pai, 2E Mithun Somaraj.

Chemical tanker, Marlin Marvel and Marlin Magnetic were brought under the management on 5th March'19 and 22nd March'19 from the Hyundai Vinashin Shipyard (HVS), Vietnam.

Our heartiest congratulations to the Marlin Marvel crew under the leadership of Captain Vivek Tyagi, CE Subhas Kumar Mondal, CO Rajneesh Kumar, 2E Mulkeet Singh for conducting an efficient and successful takeover.

Our heartiest congratulations to the Marlin Magnetic crew under the leadership of Captain Gopinath Reddy Polam, CE Murugan Sivaraman, CO Vishal Bisht, 2E Peeyush Shandil for conducting an efficient and successful takeover.



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The logo features a stylized flag icon on the left, composed of blue and white wavy lines with a white star in the center. To the right of the icon, the word "EXECUTIVE" is written in a bold, blue, sans-serif font. Below "EXECUTIVE", the words "NEWS BULLETIN" are written in a bold, orange, sans-serif font, with the letters spaced out.