



सत्यमेव जयते

भारत सरकार / GOVERNMENT OF INDIA

पोत परिवहन मंत्रालय / MINISTRY OF SHIPPING

नौवहन महानिदेशालय/ DIRECTORATE GENERAL OF SHIPPING

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PSC/FSI Inspection Report for April 2018

A. PORT STATE INSPECTIONS OF FOREIGN FLAG VESSELS IN INDIA

- There were 37 port state inspections in April 18 compared to 36 in March. The maximum number of inspections, that is, 13 constituting about 36% of total inspections were conducted by Kochi district followed by 10 inspections, that is, about 27% of total inspections were conducted by Kolkata district.
- There was no detention in April. The performance trends between January-April 2018 indicate detentions are reducing, deficiency index on a continual downward trend and nil-deficiency index on a continual upward trend indicating increasing statutory compliances by foreign vessels visiting Indian ports.
- Bulk Carriers constituted about 50% of different ship types inspected in April 2018. The highest average deficiency index of 5.16 was registered by 6 numbers container vessels inspected.
- Among RO's, the highest average deficiency index of 8.5 was registered by 6 numbers DNV-GL(AS) vessels inspected while the least average deficiency index of 1.25 was registered by 4 numbers ABS vessels inspected.
- The major areas where maximum number of deficiencies were registered are Propulsion & Auxiliary Machinery, working Conditions of Seafarers, Fire Safety measures and Life-Saving Appliances with about 12%, 22%, 9.9% and 8% of total deficiencies respectively.

B. Flag State Inspections of Indian Flag Vessels

- There were 40 Flag state inspections in April 18 compared to 38 in March 18. The maximum number of inspections, that is, 14 constituting about 1/3rd of total inspections were conducted by Kandla district.
- The monthly performance trends of ships inspected between January-April 2018 indicates that average monthly deficiency index is between 6.5 to 8.5 and almost nil detentions.
- Performance based on type:** The highest average deficiency index of 13 and 10.1 based on ship types was registered respectively by 1 passenger vessel and 8 oil tankers inspected in April.
- Performance based on age:** Among all age categories inspected, the minimum average deficiency index of 6.6 was registered for vessels between 5-15 years of age and the

highest average deficiency index of 11 was registered by one vessel between 0-5 years inspected in April. Based on all ship types and ages, the maximum deficiency index of 13 and 11.3 respectively was registered by 1 number passenger vessel between 5-15 years and 6 number oil tankers between 15-25 years. One number oil tanker in this age grouping was also detained. The least average deficiency index of 2.5 was registered by 2 tug boats above 25 years of age.

- e) **Performance based on size:** The highest average deficiency index of 9 was registered by 24 numbers vessels more than 3000gt while the minimum average deficiency index of 4.1 was registered by 8 numbers vessels between 500-3000gt inspected in April. One number oil tanker more than 3000gt was detained in April. Among all ship types and sizes the maximum average deficiency index of 13 was registered by 1 passenger vessel less than 500gt.
- f) **Recognized Organizations:** The only vessel detained in April was IRS Class. The maximum deficiency index of 11 was registered by 1 number IRS-BV vessel inspected while the least average deficiency index of 5.6 was registered by 3 number IRS-ABS and 3 numbers IRS-NK vessels inspected in April.
- g) **Owners/Managers:** The only vessel detained in April is managed by DAWN Ship Management and had a maximum deficiency index of 25.
- h) The top three areas of deficiencies are Safety of Navigation, Life-Saving Appliances and Fire-Fighting equipment's.
- i) Detained Vessel

Name of Vessel	IMO No.	Age/Type	GT	RO/Class
DAWN MATHURA	9079171	23/Oil-Tanker	21165	IRS
Date of detention	Last Survey	Detainable Deficiencies/Deficiencies		
09.04.2018	03.05.2017	Emergency Fire Pump non-operational; Emergency Generator non-operational; ER Funnel flaps not closing; Oil in bilges		

C. Port State Inspection of Indian Flag Vessels abroad

- a) There was a total of 26 Indian Flag vessels inspected in April 2018 in 8 regional MOU/ PSC regimes.
- b) In April 18, there was no detention, an average deficiency index of 1.38 and a nil-deficiency index of 0.62 compared to 1 detention, an average deficiency index of 3.4 and a nil-deficiency index of 0.25 in March 2018 indicating an overall improved performance of all vessels inspected.
- c) Among all the PSC regime, the less than average performance was that of 9 vessels inspected in Tokyo MOU with an average deficiency index of 3.2.
- d) The highest average deficiency index was registered by bulk carriers between 0-5 years of age.
- e) **Performance of Shipping Companies:** The only vessel managed by Zen Shipping and Ports Ltd. and 2 vessels managed by Tolani registered highest deficiency index of 4 each.
- f) **Recognized Organizations:** IRS-ABS vessels with 8 inspections and an average maximum deficiency index of 0.25 performed better than vessels with other RO's.
- g) Areas with highest deficiencies: Fire Safety Measures.

Graphical Representation of Port State Inspection of Foreign Ships in India

A. Port State Inspection of Foreign Ships in India

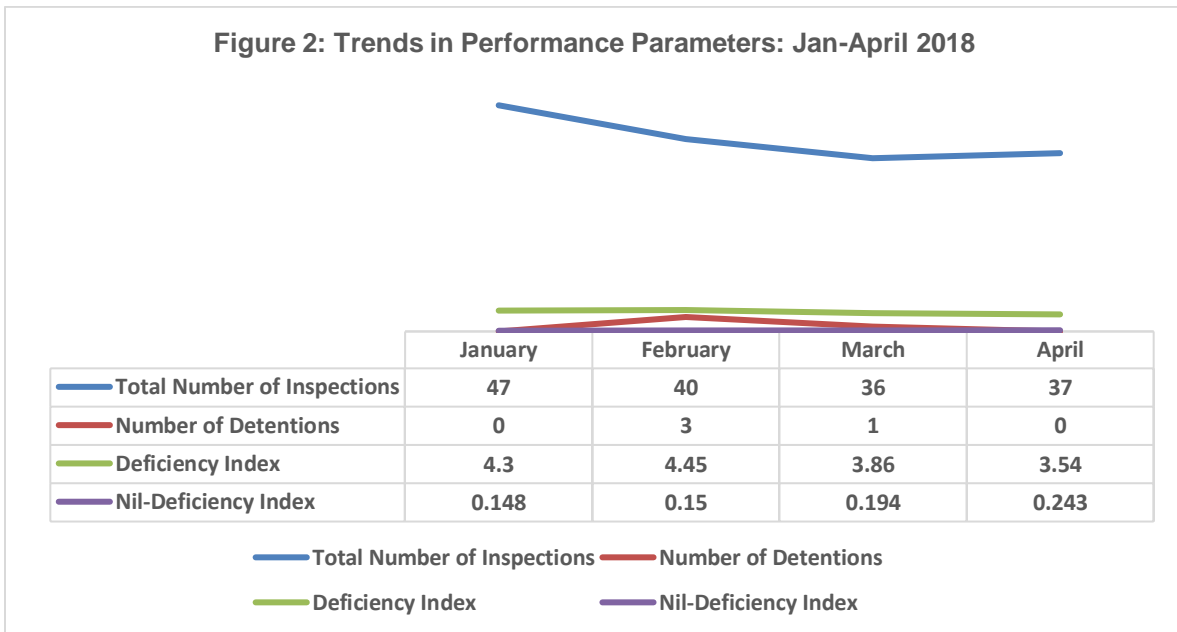
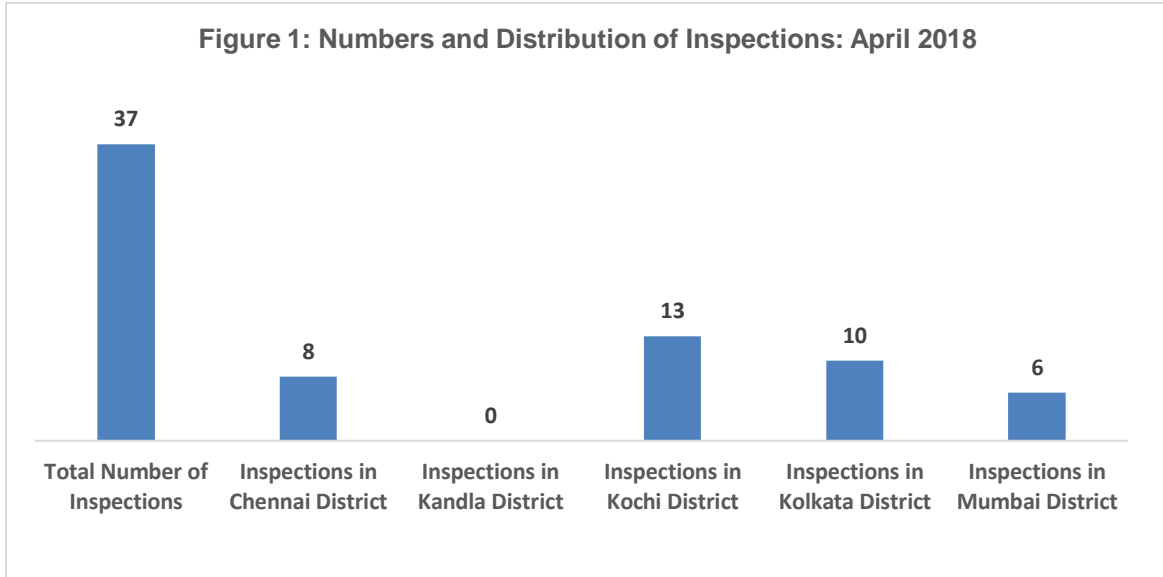


Table 1: Performance parameters ship type

Type of Vessel	Number of Inspections	Number of detentions	Deficiency Ratio	Nil-deficiency Ratio
All Vessels	37	0	3.54	0.243
Bulk Carrier	18	0	3.16	0.22
Chemical Tanker	3	0	1	0.33
Container Vessels	6	0	5.16	0.16
Gas Carrier	1	0	0	1
General Cargo/OCV	8	0	4.87	0.25
Oil Tankers	1	0	1	0

Table 2: Performance of Recognized Organizations

Name of RO	Number of inspections	Number of detentions	Deficiency Ratio	Nil-deficiency ratio
All Vessels	37	0	3.54	0.243
ABS	4	0	1.25	0.25
BV	1	0	3.4	0.2
CCS	3	0	3	0.33
DNV/GL/DNV-GL(AS)	6	0	8.5	0.16
KRS	2	0	3	0.5
LR	3	0	1.67	0.33
NK	13	0	2.38	0.23
VR	1	0	7	0

Table 3: Deficiencies Break-up

Code	Type	Number (%age)	Typical deficiencies
013	Certificates & Documentation- Documents	12(9.1%)	Rest Hour Records; SOPEP
021	Structural Conditions	5(3.8%)	Hull and Deck Corrosion
031	Water/Weathertight Conditions	6(4.6%)	Ventilators, airpipes, casings; Freeboard Marks
041	Emergency Systems	7(5%)	Emergency Batteries, Lighting and Switches
051	Radio Communications	3(2.3%)	Reserve Sources of Energy
071	Fire Safety	13(9.9%)	Fire detection and alarm system; Oil Accumulation in ER; Ventilation; Maintenance of Fire Protection System.
091	Working and Living Conditions- Living Conditions	5(3.8%)	Cleanliness; Medical Equipment
092	Working and Living Conditions- Working Conditions	29(22.1%)	Loading and Unloading Equipment's; Gangway-Accommodation Ladder; Electrical
101	Safety of Navigation	7(5%)	Lights, Shapes & Sound Signals; Nautical Publications; Gyro Compass
111	Life Saving Appliances	10(8%)	Rescue Boats; Distress Flares
131	Propulsion and Auxiliary Machinery	16(12%)	Main Engine; Auxiliary Engine; Operation of Machinery
141	Pollution Prevention: MARPOL Annex I	3(2%)	Oil Filtering Equipment.
144	MARPOL Annex IV	7(5%)	Sewage Treatment Plant
145	MARPOL Annex V	4(3%)	Garbage Collection
146	MARPOL Annex VI	1(0.8%)	Technical Files
151	ISM	1(0.8%)	
161	ISPS	1(0.8%)	
183	MLC 2006	1(0.8%)	Heating, Air Condition and Ventilation

B. Flag State Inspections

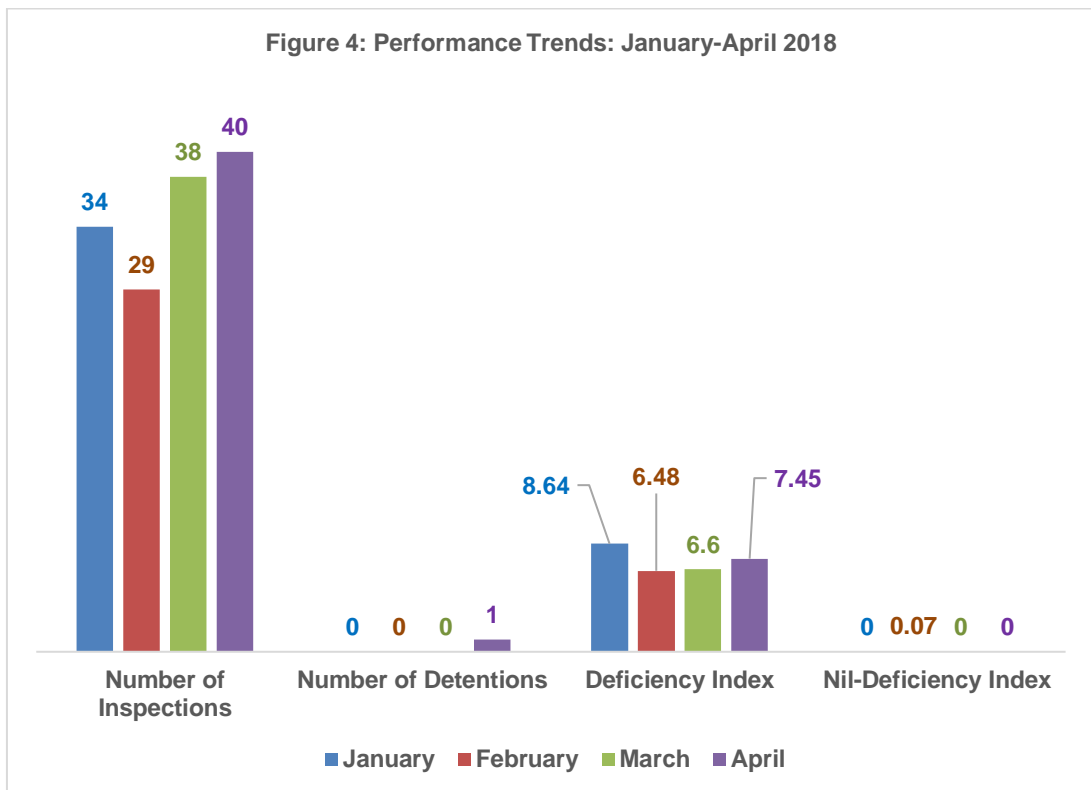
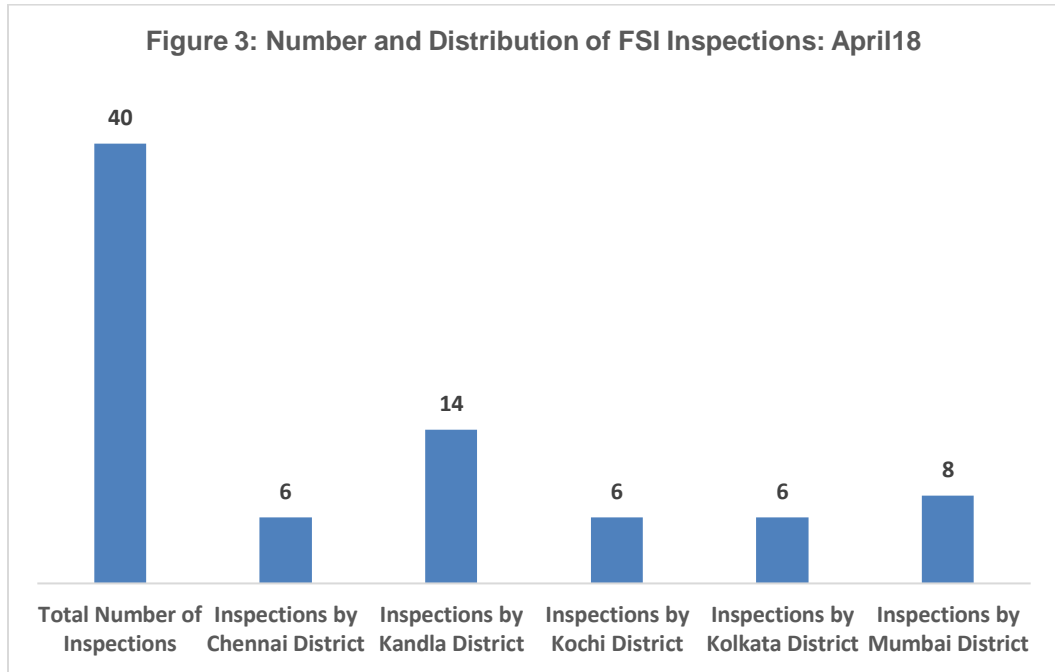


Table 3: Performance of vessels based on ship type

Type of vessel	Number of inspections	Number of detentions	Deficiency Ratio	Nil-Deficiency Ratio
All Vessels	40	1	7.45	0
Bulk Carrier	8	0	6.125	0
General Cargo/Multi-purpose Ship/OCV	10	0	8.8	0
Off-shore vessels	3	0	3.66	0
Oil Tankers	8	1	10.1	0
Gas Carrier	1	0	5	0
Container	2	0	8	0
Passenger Ship	1	0	13	0
Tug Boat	7	0	5	0

Table 4A: Performance Parameters based upon ship type and age

Ship Type	0-5 Years				5-15 Years			
	No. of insps.	No. of detns.	Def. ratio	Nil def. ratio	No. of insps.	No. of detns.	Def. ratio	Nil def ratio
All Vessels	1	0	11	0	18	0	6.6	0
Bulk Carrier	NA	NA	NA	NA	5	0	5.8	0
OCV/General Cargo/Multi-Purpose	NA	NA	NA	NA	6	0	8.8	0
Off shore service vessels	NA	NA	NA	NA	2	0	4	0
Oil Tankers	NA	NA	NA	NA	1	0	3	0
Container Vessels	NA	NA	NA	NA	NA	NA	NA	NA
Passenger Vessels	NA	NA	NA	NA	1	0	13	0
Tug Boats	1	0	11	0	3	0	4.3	0

Table 4B: Performance Parameters based upon ship type and age

Ship Type	15-25 Years				>25 Years			
	No. of insps.	No. of detns.	Def. ratio	Nil def. ratio	No. of insps.	No. of detns.	Def. ratio	Nil def. ratio
All Vessels	15	1	8.5	0	6	0	6.8	0
Bulk Carrier	3	0	6.6	0	NA	NA	NA	NA
General Cargo/Multi-Purpose Vessels/OCV	2	0	7	0	2	0	10.5	0
Off shore service vessels	1	0	3	0	NA	NA	NA	NA
Oil Tankers	6	1	11.3	0	1	0	10	0
Container Vessels	2	0	8	0	NA	NA	NA	NA
Passenger Vessels	NA	NA	NA	NA	NA	NA	NA	NA
Tug Boats	1	0	6	0	2	0	2.5	0
Gas Carrier	NA	NA	NA	NA	1	0	5	0

Table 5A: Performance of vessels: Based on ship type and size

Vessels < 500GT	No. of insps.	No. of detns.	Def. ratio	Nil def. ratio
All Vessels inspected < 500GT	8	0	6	0
Passenger Vessel	1	0	13	0
Tug Boats	7	0	5	0

Table 5B: Performance of vessels: Based on ship type and size

Vessels >= 500GT &< 3000gt	No. of insps.	No. of detns.	Def. ratio	Nil def. ratio
All Vessels inspected >=500GT &< 3000GT	8	0	4.1	0
Bulk Carrier	3	0	4.7	0
General Cargo/Multi-Purpose Vessels/OCV	2	0	4	0
Off-shore Service Vessels	3	0	3.7	0

Table 5C: Performance of vessels: Based on ship type and size				
Vessels >= 3000gt	No. of insps.	No. of detns.	Def. ratio	Nil def. ratio
All Vessels inspected >= 3000GT	24	1	9	0
Bulk Carrier	7	0	5	0
Container	2	0	8	0
Gas Carriers	1	0	5	0
General Cargo/Multi-purpose Vessels/OCV	8	0	10	0
Oil Tanker	8	0	10.1	0
Offshore Service Vessels	NA	NA	NA	NA

Table 6: Performance of Recognized Organizations				
Recognized Organization/s	Number of Inspections	Number of detentions	Deficiency Ratio	Nil Deficiency Ratio
All Vessels	40	1	7.45	0
IRS/ABS	5	0	5.6	0
IRS-BV	1	0	11	0
IRS/DNV GL(AS)	1	0	10	0
IRS/LR	1	0	6	0
IRS/NK	3	0	5.6	0
IRS	29	1	7.8	0

Table 7: Performance of Indian Ship Operators				
Name of Company	Number of Inspections	Number of Detentions	Deficiency Ratio	Nil-Deficiency Ratio
Adani Hazira Port Private Ltd,	2	0	4	0
ADEL Shipping and Logistics	2	0	5.5	0
AMBA Shipping & Logistics Ltd.	NA	NA	NA	NA
Apeejay Shipping Ltd.	1	0	6	0
Arkay Logistics Limited	1	0	11	0
Bernhard Schulte Shipping India Ltd.	1	0	7	0

Chandra Ship Management Pvt. Ltd.	NA	NA	NA	NA
Dawn Shipping Private Ltd.	1	1	25	0
Dolphin Offshore	NA	NA	NA	NA
Dredging Corporation of India Ltd.	3	0	11	0
ESSAR Shipping Ltd.	3	0	7	0
Fleet Management India Pvt. Ltd.	1	0	3	0
Great Offshore India Pvt. Ltd.	2	0	4.5	0
Hind Offshore Private Ltd.	1	0	3	0
Hoger Off-shore & Marine Pvt. Ltd.	NA	NA	NA	NA
ITT Shipping Pvt. Ltd.	NA	NA	NA	NA
Mercator Ltd.	2	0	12.5	0
Ocean Sparkle Ltd.	1	0	1	0
ONGC	NA	NA	NA	NA
Orion Maritime Pvt. Ltd.	NA	NA	NA	NA
Reliance Industries Ltd.	1	0	5	0
Sanmar Shipping Ltd.	1	0	8	0
SAMSON Maritime Ltd.	3	0	4.3	0
SCI Ltd.	3	0	11	0
Sea Sparkle Harbour Services Pvt. Ltd.	1	0	4	0
Seven Island Shipping Ltd.	3	0	11.7	0
Svitzer Hazira Ltd.	NA	NA	NA	NA
SVS Marine Services Pvt. Ltd.	3	0	4.7	0
Synergy Oceanic Services Pvt. Ltd.	1	0	4	0
Tag Offshore Ltd.	NA	NA	NA	NA
TCI Seaways Ltd.	1	0	4	0
GESCO	1	0	3	0
Tolani Shipping Ltd.	NA	NA	NA	NA
TW Ship Mangement Pvt. Ltd.	1	0	12	0
Van Oord India Pvt. Ltd.	NA	NA	NA	NA

Table7: Types of Deficiencies

Code	Type	Number (%age)	Typical deficiencies
101	Safety of Navigation	30	Lights, Shapes & Sound Signals;Compass Error Log; Nautical Publications; Magnetic Compass
111	Life Saving Appliances	30	Operation of Life-Saving Appliances; Onboard Training and Instructions;
131	Propulsion & Aux. M/C	14	Operation of Machinery; Auxiliary Engine; Gauges, Thermometers etc.
141	MARPOL Annex I	5	Oil and Oily Mixtures from Machinery Spaces; Oil Filtering Equipment.
144	MARPOL Annex IV	3	Sewage Treatment Plant
145	MARPOL Annex V	8	Garbage Management Plan
146	MARPOL Annex VI	1	
151	ISM	3	Resources & Personnel; Shipboard Operations; Maintenance of Ship and Equipment.
171	Other Safety in General	5	
011	Certificates & Documentation-Ship Certificates	7	
012	Certificates & Documentation-Crew Certificates	1	
013	Certificates & Documentation-Documentation	31	Survey Report File; Rest Hour Records; Garbage Record Book
021	Structural Conditions	18	Decks-Corrosion; Hull Corrosion
031	Water/Weathertight Conditions	22	Ventilators, Pipes & Casing; Scuppers Inlets and Discharges
041	Emergency Systems	15	Emergency Lighting, Batteries & Switches; Emergency Sources of Power, Emergency Generator
051	Radio Communications	3	Reserve Source of Energy;
061	Cargo Operations	3	
071	Fire Fighting Equipment's	27	Operation of Fire Protection System; Fire Dampers; Fire Detection and Alarm System; Fire Pumps and its pipes.
081	Alarms	1	
091	Working & Living Conditions: Living Conditions	7	Medical Equipment; Electrical Devices
092	Working & Living Conditions: Working Conditions	64	Safe Means of Access- Shore and Ship; Obstruction/Slipping etc.; Machinery; Anchoring Devices

C. Port State Inspections of Indian Flag Vessels

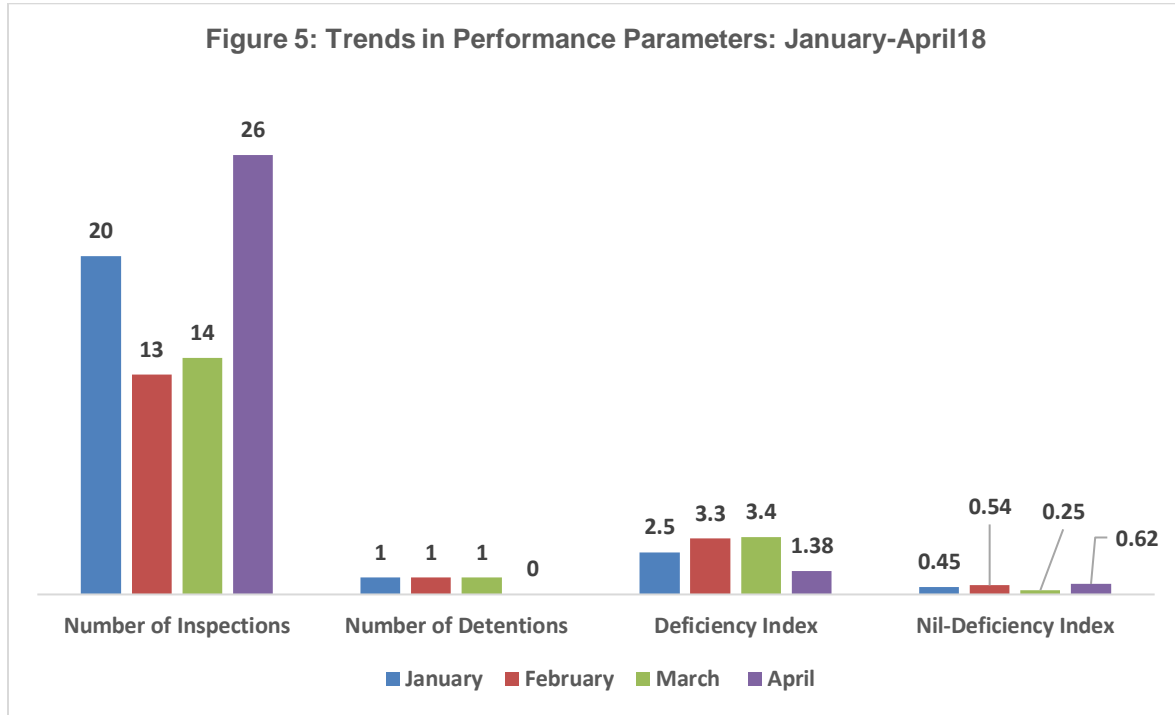


Table 8: Performance under various PSC regimes

Regional MOU/PSC Regime	Number of Inspections	Number of detentions	Deficiency Ratio	Nil Deficiency Ratio
Abuja	1	0	0	1
Black Sea	1	0	0	1
IOMOU	1	0	0	1
Paris	3	0	0	1
Riyadh	7	0	0.86	0.57
Tokyo	9	0	3.2	0.33
USCG	1	0	1	0
Vina-Del-Mar	3	0	0	1

Table 9: Performance based upon ship type and age

Type of Vessel	Number of Inspections	Number of detentions	Deficiency Index	Nil Deficiency Index
Bulk Carrier	13	0	2.15	0.46
0-5 Years	2	0	4.5	0.5
5-15 Years	9	0	2.0	0.44
➤ 15 Years	2	0	0.5	0.5
Oil Tanker	9	0	0.1	0.89
5-15 Years	8	0	0.1	0.875
>= 15 Years	1	0	0	1
Chemical Tanker	1	0	4	0
>=15 Years	1	0	4	0
Gas Carrier	3	0	1	0.66
5-15 Years	1	0	0	1
>=15 Years	2	0	1.5	0.5

Table 10: Performance of Indian Ship Operators

Name of Company	Number of Inspections	Number of detentions	Deficiency Ratio	Nil Deficiency Ratio
Crowley Accord Marine Management	1	0	2	0
	Riyadh:1			
Five Star Shipping Co. Ltd.	4	0	0.75	0.5
	Abuja, Tokyo, USCG, Paris: 1 Each			
Fleet Management	1	0	0	1
	Riyadh:1			
GESCO Ltd.	10	0	1.3	0.7
	Black Sea:1; IOMOU:1; Paris:2; Riyadh:3; Tokyo:2; Vina-Del-Mar:1			
Shipping Corporation of India Ltd.	4	0	1.5	0.5
	Tokyo:3; Vina-Del-Mar:1			
Seavie Private Ltd.	1	0	0	1
	Vina-Del-Mar:1			
Synergy Oceanic Services Pvt. Ltd.	2	0	0	1
	Riyadh:2			
Tolani Shipping Co. Ltd.	2	0	4	0.5
	Tokyo:2			
Zen Shipping & Ports Ltd.	1	0	4	0
	Tokyo:1			

Table 11: Performance of Recognized Organizations

Recognized Organization	Number of inspections	Number of detentions	Deficiency Ratio	Nil Deficiency Ratio
IRS/ABS	8	0	0.25	0.875
IRS/BV	1	0	8	0
IRS/DNV, GL, DNV-GL(AS)	1	0	1	1
IRS/LR	6	0	2.3	0.66
IRS	10	0	1.1	0.5

Table 12: Break up of deficiencies

Code	Type	Number (%age of total)	Typical deficiencies
011	Certificates and Documents: Ships Certificate	1	
013		1	
021	Structural Conditions	1	
031	Water/Weathertight Conditions		
041	Emergency Systems	1	
071	Fire Safety	10	Fire doors/openings in fire resisting divisions; Ready availability of firefighting equipment's;
091	Living Conditions	1	Accommodation Ventilation
092	Working and Living Conditions: Working Conditions	1	Gangway
101	Safety of Navigation	5	ECDIS, VDR, Passage Plan, Magnetic Compass
131	Propulsion and Auxiliary Machinery	4	Bilge Pumping Arrangements; Auxiliary Engine
141	Pollution Prevention- MARPOL Annex I	1	Oil and Water in Machinery Spaces
151	ISM	4	Shipboard Operations
161	ISPS	1	
184	Labour Conditions: Health Protection, medical care, welfare and social	2	Accommodation and recreational facilities.
171	Others	2	Safety in general

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