



# INDIAN NOTICES TO MARINERS



EDITION NO. 08 DATED 16 APR 2019

(CONTAINS NOTICES 092 TO 108)

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(PUBLISHED ON NHO WEBSITE ON 1<sup>ST</sup> & 16<sup>TH</sup> OF EVERY MONTH)

**FEEDBACK:** [msis-incho@navy.gov.in](mailto:msis-incho@navy.gov.in)



INSIST ON INDIAN CHARTS AND  
PUBLICATIONS  
Original, Authentic and Up-to-Date



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## II

### MARINER'S OBLIGATION AND A CHART MAKER'S PLEA

Observing changes at sea proactively and reporting them promptly to the concerned charting agency, is an obligation that all mariners owe to the entire maritime community towards SOLAS. Mariners are requested to notify the Chief Hydrographer to the Government of India at the above mentioned address/fax number/ E mail address immediately on discovering new or suspected dangers to navigation, changes/defects pertaining to navigational aids, and shortcomings in Indian charts/publications. The Hydrographic Note [Form IH – 102] is a convenient form to notify such changes. Specimen form is attached at Section IX with this notice. Also visit our website for downloading and filling up instructions for Hydrographic Note.

**Chief Hydrographer  
to the Government of India**

### **WARNING AGAINST USE OF COUNTERFEIT PRODUCTS**

**All mariners are cautioned against the use of counterfeit copies of IN Charts and publications. Navigational Charts produced after 31 Oct 14 carry NHO crest as watermark on the reverse with backslip. Chart Agent's stamp is mandatory on all Charts.**

**Counterfeit products may have errors resulting in potential risks. The same are not approved by inspecting agencies and do not satisfy the carriage requirements of SOLAS chapter V.**

**Mariners are strongly advised not to use or encourage the use of counterfeit charts and publications. Failure to comply with the warning may invite legal action.**

### III

## **EXPLANATORY NOTES**

**Corrections to Charts and Publications.** Section I comprises List of Charts affected by the notices contained in this edition. Whereas sections II and III contain information for correcting the charts and publications. Mariners should insist on corrected charts from their chart distributors/agents.

- (a) Geographical positions given are in the horizontal datum of the current edition of the chart, unless otherwise stated.
- (b) Bearings are true, reckoned clockwise from 000° to 359°. Bearings to lights are from seaward.
- (c) Symbols referred to, are those shown on the chart 5020 (INT 1).
- (d) Alterations to depth contours, deletion of depths to make way for new detail, etc; are not normally mentioned, unless they have some navigational significance.
- (e) Blocks and notes, if any, accompanying the Notices in Sections II and III are placed after Section IX.

**Temporary and Preliminary Notices.** These are indicated by (T) and (P) respectively after the Notice number and are placed in Section III. Sl Nos. of those in force are published quarterly on 01 Jan, 01 Apr, 01 Jul and 01 Oct, and their text is published in Annual Edition of Indian Notices to Mariners. They should be inserted in pencil, by the user, on receipt.

**Source of Information.** A star preceding the number of a Notice indicates that the notice is promulgated by INHO based on original information received.

**Sailing Directions.** Corrections for the Sailing Directions (Pilots) are given in Section VI.

**Lights.** Corrections to Indian List of Lights are given in Section VII, where affected Light List number is quoted.

- (a) These corrections should be incorporated as per instructions given on page XI of the List of Lights.
- (b) Such correction notices to list of lights may be published in either an earlier or a later Edition of N to M than the Edition containing the Notice to the chart correction.
- (c) The range of a light given is its nominal range. Its geographical range is given in parenthesis only if it is less than the nominal range.
- (d) A star indicates that the corresponding field is to be amended and all stars indicate that new light is to be inserted.

**Radio Signals.** The corrections in Section VIII should be cut and pasted in the appropriate volume of the List of Radio Signals.

**Radio Navigational Warnings.**

- (a) These are broadcast as serially numbered NAVAREA warnings by the concerned NAVAREA coordinator through GMDSS and Area Radio Broadcasts.
- (b) They contain important information affecting navigational safety, which cannot await the publication of the next edition of N to M.
- (c) It should be borne in mind that they may be based on reports which cannot always be verified before promulgation.
- (d) It is therefore necessary to be selective, and promulgate only the more important warnings to avoid over loading users; the less important information is included in the forthcoming edition of N to M or the Chart/publication concerned.

## IV

**Laws and Regulations.** While in the interest of the safety of shipping, the Hydrographic Office makes every endeavor to include in its publications details of the laws and regulations of all countries pertaining to navigation, it must be clearly understood: -

- (a) That no liability whatsoever can be accepted for failure to publish details of any particular law or regulation and
- (b) That publication of details of a law or regulation is solely for the safety and convenience of shipping and implies no recognition of the International validity of the law or regulation.

**Correction of Charts and Publications by the Users.** Notices to Mariners contain important information concerning safety of navigation at sea, hence, they should be used to keep the specified charts and publications up-to-date.

**Reliance on Charts and Associated Publications.** While every effort is made by the Hydrographic Office to ensure the accuracy of the information on Charts and Publications before they are published, it should be appreciated that it may not always be complete and up-to-date. The mariner must be the final judge for the reliance he can place on the information available, bearing in mind his particular circumstances, local pilotage guidance and judicious use of available navigational aids.

**Use of Global Positioning System (WGS 84) positions.**

- (a) The positions of hydrographic objects shown on some of the Indian charts and publications are in Everest datum. However, the positions of vessels obtained from Global Positioning System (GPS) are on World Geodetic System 1984 datum. There will always exist a difference in the position values obtained by visual fixing (Everest Datum) and GPS position (WGS 84 datum).
- (b) Wherever these differences have been ascertained, their average values are published as a Cautionary Note on the chart concerned, as shifts in Latitude and Longitude. Whilst plotting GPS positions on charts, the shift values as given on the chart must be applied, before making any assessment of the navigational situation vis-à-vis the other charted information.
- (c) These datum shift values are not uniform, particularly in areas off Andaman and Nicobar and Lakshadweep Islands, as these places are not linked to mainland network (Everest datum). Mariners are advised to use alternate source of position information such as Visual or Radar, particularly when closing the shore or navigating in the vicinity of dangers.

**Source Data on Charts.** All Indian charts contain specific information on their source of hydrographic data. In areas where the source data is very old, incomplete and less reliable, the mariner must use such charts with prudence. Mariner should always use the largest scale charts available for the area. Apart from being the most detailed, the larger scale charts are usually corrected first. Hydrographic information may be sparse on small scale charts. On such charts, a charted shoal may be in error as regards position, least depth and extent. Uncharted dangers may also exist, particularly in areas away from well-established routes. Mariners must exercise due caution.

**Further Guidance.** The Mariner's Hand Book (NP 100) gives full explanation on the use of charts and the type of information contained on charts. In their own interest, all users of charts should refer to it.

## NEWLY PUBLISHED INDIAN CHARTS, ENC<sub>s</sub> AND PUBLICATION

1. The new Indian Charts that are available for mariners in the market are as follows:-

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits &amp; Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
205	28-02-2019	<b>NAVIBANDAR TO VERAVAL LIMIT</b> 20° 49'.00N; 69° 02'.00E. 21° 39'.00N; 75° 25'.00E.	1,50,000	2	Rs. 1950.00
206	28-02-2019	<b>VERAVAL TO DIU HEAD LIMIT</b> 20° 16'.50N; 69° 50'.00E. 21° 06'.75N; 71° 12'.80E.	1,50,000	2	Rs. 1950.00

2. The Indian Charts permanently withdrawn are as follows:-

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title</i>	<i>On Publication of New Chart/ Edition</i>	<i>Date of Publication</i>
205	15-03-2012	NAVIBANDAR TO VERAVAL	205	28-02-2019
206	31-07-2012	VERAVAL TO DIU HEAD	206	28-02-2019

3. The new Indian Electronic Navigational Charts that are available for mariners in the market are as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN3205NR	205	NAVIBANDAR TO VERAVAL	08-04-2019
IN3206VH	206	VERAVAL TO DIU HEAD	08-04-2019

4. The Indian Electronic Navigational Charts that are permanently withdrawn are as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN3205NV	205	NAVIBANDAR TO VERAVAL	03-08-2012
IN3206VT	206	VERAVAL TO DIU HEAD	08-01-2019

5. The forthcoming Indian Chart is as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
7070 (INT 70)	INDIAN OCEAN SOUTHERN PART	1,00,00,000	New Chart

## VI

### Availability of ENC's

The complete folios of Official Indian ENC's are distributed worldwide through JEPPESEN MARINE (formerly C-MAP), UKHO and Norwegian Hydrographic Service. UKHO distributes Indian ENC's through the world wide network of their agents and distributors. Updates are also made available as per the existing policy of the distributor. Mariners and other ENC users may contact the under mentioned for further details:

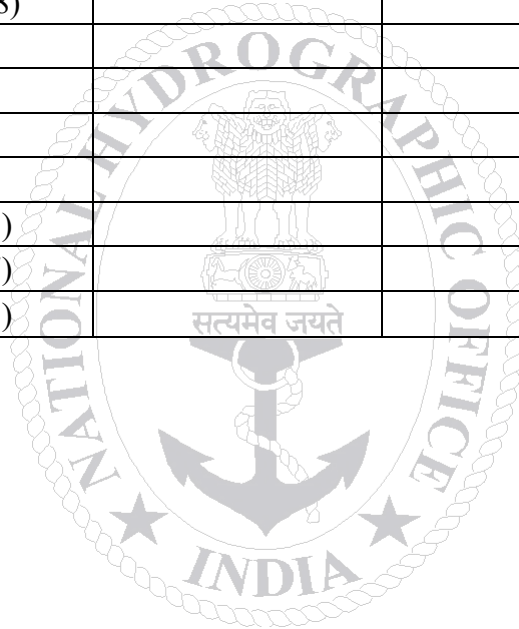
<b>United Kingdom Hydrographic Office</b> Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel: +44 (0) 1823 337900 Fax: +44 (0) 1823 330561, 1823 284077 Web site: <a href="http://www.hydro.gov.uk">www.hydro.gov.uk</a>	<b>C-MAP Norway AS</b> Nyaskaiveien 2, 4379 Egersund, Norway Ph: +47 51 464700, +91 2262233326 Mob: +91 9820238542 Fax: +47 51 464701, +91 2267939504 Email: <a href="mailto:enc@c-map.com">enc@c-map.com</a> , <a href="mailto:info@c-map.co.no">info@c-map.co.no</a> Website: <a href="http://www.c-map.com">www.c-map.com</a>
<b>M/s Primar</b> Norwegian Hydrographic Service, Postbox 60, 4001 Stavanger Norway Telephone - +47 - 51 85 87 00 Fax - + 47 - 51 85 87 08 E-mail: <a href="mailto:data@ecc.no">data@ecc.no</a> Website: - <a href="http://www.primar.org">www.primar.org</a>	<b>M/s IIC Technologies Limited</b> B-2-350/5/B-22, Road No. 3 Banjara Hills Hyderabad - 500 034 Telangana Tel:+91 4039144444 Fax: +91 4039144455 Email: <a href="mailto:somnath.marthi@iictechnologies.com">somnath.marthi@iictechnologies.com</a> Web: <a href="http://www.iictechnologies.com">www.iictechnologies.com</a>



**SECTION – I**

The list of charts affected by the Notices 092 to 108 contained in this edition is as follows:-

<b>CHART NUMBER</b>	<b>FOLIO NO.</b>	<b>NOTICE NO.</b>
31 (INT 756)		095, 106(T), 107(T)
41 (INT 757)		096, 108(T)
208		093
2001		094
2013 (INT 7324)		092
2015 (INT 7337)		094
2016 (INT 7336)		094
2031 (INT 7326)		092
2044		093
2047		097
2076 (INT 7338)		094
2529		100
2550		098, 099
2551		098, 099
2552		098
7508 (INT 508)		102, 103
7707 (INT 707)		104
7708 (INT 708)		101



**SECTION – II**  
**PERMANENT NOTICES**

**\*092 (08/19) INDIA – WEST COAST – GULF OF KACHCHH – Port of Okha – Buoys.**

Source: IH-102, ICGS C-136.

**Chart 2031 (INT 7326) [previous update 162/18]**

Delete	buoy No.2	22° 29'·11N., 69° 05'·39E.
	buoy No.3	22° 29'·00N., 69° 05'·33E.

**Chart 2013 (INT 7324) [previous update 035/15]**

Delete	buoy No.2	22° 29'·11N., 69° 05'·39E.
	buoy No.3	22° 29'·00N., 69° 05'·33E.

**Cancel former INTM 066(T)/15.**

**\*093 (08/19) INDIA – WEST COAST – Gulf of Khambhat (Cambay) – Southern Portion – Lesser Depth.**

Source: IH-102, INS Sutlej.

**Chart 2044 [previous update 061/19]**

Insert	legend “Lesser Depth (see Note)”;	centered on:	21° 12'·57N., 72° 19'·90E.
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**Chart 208 [previous update 061/19]**

Insert	legend “Lesser Depth (see Note)”;	centered on:	21° 12'·58N., 72° 19'·87E.
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**\*094 (08/19) INDIA – WEST COAST – Jawaharnal Nehra Port and Trombay – Anchorage area and Buoys.**

Source: JNPT.

**Chart 2016 (INT 7336) [previous update 062/19]**

Insert	circular limit of anchorage area, centered on :	 , radius 350 mtrs,	18° 55'·95N., 72° 54'·24E.
--------	---	--	----------------------------


Move	 N17	from :	18° 55'·85N., 72° 53'·39E.
------	---	--------	----------------------------

	to :	18° 55'·92N., 72° 53'·66E.
--	------	----------------------------

	 N19	from :	18° 56'·20N., 72° 54'·04E.
--	---	--------	----------------------------

	to :	18° 56'·22N., 72° 54'·23E.
--	------	----------------------------

**Chart 2015 (INT 7337) [previous update 160/18]**

Insert	circular limit of anchorage area, centered on :	 , radius 350 mtrs,	18° 55'·95N., 72° 54'·24E.
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Move	 Fl.G.5s N17	from :	18° 55'·85N., 72° 53'·39E.
------	---	--------	----------------------------

	to :	18° 55'·92N., 72° 53'·66E.
--	------	----------------------------




	 Fl.G.5s N19	from :	18° 56'·20N., 72° 54'·04E.
--	---	--------	----------------------------

	to :	18° 56'·22N., 72° 54'·23E.
--	------	----------------------------



**\*094 (08/19) INDIA – WEST COAST – Jawaharnal Nehra Port and Trombay – Anchorage area and Buoys. Continued.**

**Chart 2076 (INT 7338) [previous update 149/18]**

Insert	circular limit of anchorage area, centered on : 	,-----, radius 350 mtrs,	18° 55'·95N., 72° 54'·24E.
Move	 Fl.G.5s N17	from :	18° 55'·85N., 72° 53'·39E.
	to :		18° 55'·92N., 72° 53'·66E.
	 Fl.G.5s N19	from :	18° 56'·20N., 72° 54'·04E.
	to :		18° 56'·22N., 72° 54'·23E.

**Chart 2001 [previous update 155/18]**

Delete	 Fl.G.5s N17		18° 55'·85N., 72° 53'·39E.
--------	---	--	----------------------------

**\*095 (08/19) INDIAN OCEAN – Bay of Bengal – Northern Portion (Krishnapatnam to Bassein River) – Pilot Boarding Area and FSRU.**

Source: Bangladesh NTM 04/19.

**Chart 31 (INT 756) [previous update 066/19]**

Insert			21° 27'·50N., 91° 48'·00E.
	 FSRU		21° 32'·07N., 91° 49'·12E.

**\*096 (08/19) BAY OF BENGAL AND ANDAMAN SEA – Andaman Sea – Wellhead.**

Source: Myanmar NTM 35/18.

**Chart 41 (INT 757) [previous update 140/18]**

Insert	 WP-8		14° 19'·10N., 95° 50'·41E.
	 WP-9		14° 14'·37N., 96° 09'·12E.
	 WP-10		14° 18'·62N., 96° 01'·26E.
	 WP-11		14° 12'·07N., 95° 48'·61E.

**\*097 (08/19) INDIA – Lakshadweep – Chetlat Island – Buoys and Beacon.**

Source: IH-102, INS Jamuna.

**Chart 2047 (Panel C) [previous update 204/16]**

Insert			11° 41'·69N., 72° 42'·57E.
			11° 41'·64N., 72° 42'·17E.
			11° 41'·61N., 72° 42'·18E.
Move	 R	from :	11° 41'·67N., 72° 42'·28E.
	to :		11° 41'·67N., 72° 42'·36E.

**\*098 (08/19) INDIAN OCEAN – SEYCHELLES – Port Victoria – Jetty and Legend.**

Source: IH-102, INS Sarvekshak.

**Chart 2552** [previous update NC 30 Nov 2017]

Insert legend “Ile de Port”, centered on: 04° 36′·89S., 55° 27′·62E.

**Chart 2551** [previous update NC 30 Nov 2017]

Replace pecked line, with, firm line, joining: 04° 37′·070S., 55° 27′·890E.  
 04° 36′·980S., 55° 27′·780E.  
 04° 36′·877S., 55° 27′·789E.  
 04° 36′·878S., 55° 27′·794E.  
 04° 36′·869S., 55° 27′·794E.  
 04° 36′·867S., 55° 27′·771E.

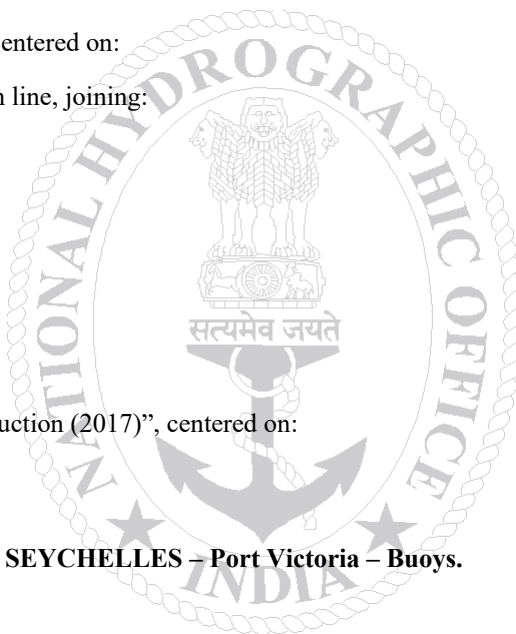
**Chart 2550** [previous update 133/17]

Insert legend “IPHS Jetty”, centered on: 04° 36′·95S., 55° 27′·77E.

legend “Ile de Port”, centered on: 04° 36′·89S., 55° 27′·62E.

Replace pecked line, with, firm line, joining: 04° 37′·070S., 55° 27′·890E.  
 04° 36′·980S., 55° 27′·780E.  
 04° 36′·877S., 55° 27′·789E.  
 04° 36′·878S., 55° 27′·794E.  
 04° 36′·869S., 55° 27′·794E.  
 04° 36′·867S., 55° 27′·771E.

Delete legend “Under Construction (2017)”, centered on: 04° 37′·02S., 55° 27′·82E.

**\*099 (08/19) INDIAN OCEAN – SEYCHELLES – Port Victoria – Buoys.**

Source: IH-102, INS Sarvekshak.

**Chart 2551** [previous update 098/19]Insert  04° 35′·67S., 55° 30′·16E.

04° 36′·11S., 55° 29′·57E.



04° 37′·09S., 55° 27′·91E.

**Chart 2550** [previous update 098/19]Insert  04° 37′·09S., 55° 27′·91E.**\*100 (08/19) INDIAN OCEAN – MAURITIUS – Northern Islets of Mauritius – Wreck.**

Source: Mauritius Hydrographic Service, Mauritius.

**Chart 2529** [previous update NC 31 Dec 2018]Insert  19° 59′·56S., 57° 38′·05E.

**101 (08/19) INDIAN OCEAN – AUSTRALIA – West Coast – Light.**

Source: BA Notice 0286/19.

**Chart 7708 (INT 708)** [previous update 087/19]

Delete



24° 14'·00S., 113° 23'·40E.

**102 (08/19) PACIFIC OCEAN – South China Sea – Wreck.**

Source: BA Notice 1248/19.

**Chart 7508 (INT 508)** [previous update 087/19]

Insert



04° 51'·50S., 108° 20'·80E.

**103 (08/19) PACIFIC OCEAN – South China Sea – Wreck.**

Source: BA Notice 1455/19.

**Chart 7508 (INT 508)** [previous update 102/19]

Replace



with



01° 13'·90S., 107° 07'·00E.

**104 (08/19) INDIAN OCEAN – Maldives to Sumatera – Buoy.**

Source: BA Notice 1632/19.

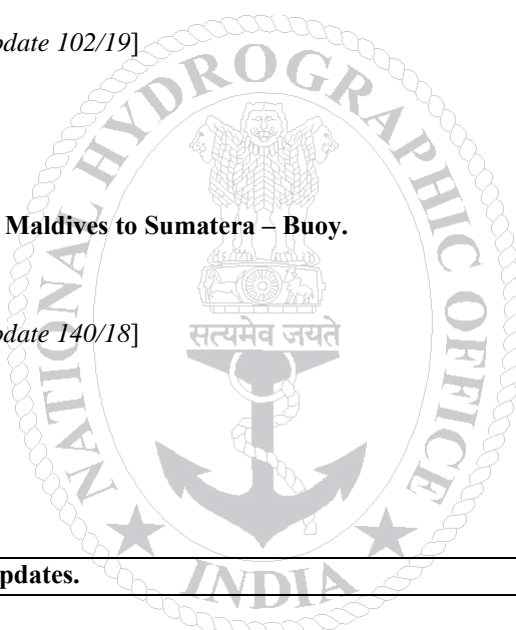
**Chart 7707 (INT 707)** [previous update 140/18]

Insert



Rep (2019)

00° 00'·10S., 85° 02'·20E.




**Cancel former INTM 081(T)/19.**

<b>*105 (08/19)</b>		<b>Miscellaneous updates.</b>		
Source: NHO Dehradun.				
<b>Refer Indian Notices to Mariners Edition 06/2019 dated 16 Mar 2019 Page no 'V' para 3.</b>				
<b>Amend, Read as:</b>				
<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title</i>	<i>On Publication of New Chart/ Edition</i>	<i>Date of Publication</i>
215	31-07-2012	BETUL TO BELEKERI	215	31-01-2019
2020	31-10-2015	MORMUGAO AND PANAJI	2020	31-01-2019
2022 (INT 7345)	31-03-2011	APPROACHES TO MORMUGAO	2022 (INT 7345)	31-01-2019
2078 (INT 7346)	30-04-2015	PORT OF MORMUGAO	2078 (INT 7346)	31-01-2019
7701 (INT 701)	31-07-2006	MAPUTO TO MUQDISHO	7701 (INT 701)	15-02-2019

**SECTION – III****TEMPORARY AND PRELIMINARY NOTICES****\*106(T) (08/19) BAY OF BENGAL – Northern Portion (Krishnapatnam to Bassein River) – Buoys.**

Source: Bangladesh NTM 18(T)/19.

1. Following temporary buoys are deployed :-

Buoy	Position
	21° 52'·78N., 091° 53'·99E.
	21° 52'·91N., 091° 53'·90E.
	21° 53'·02N., 091° 54'·02E.

2. Mariners are advised to navigate with caution in the area and contact local port authority for latest information.

**Charts affected – 31 (INT 756).****\*107(T) (08/19) BAY OF BENGAL – Northern Portion (Krishnapatnam to Bassein River) – Subsea Facilities and Pipeline Inspection.**

Source: Myanmar NTM 33/18.

1. Mya (MNM) Subsea Facilities, Shwe Platforms (SHP) Subsea Facilities and Pipeline Inspection will be carried out by MV Pacific Rapier (call sign: 9V5943) in the following areas till **31 Dec 2019**:

Mya (MNM) Subsea Facilities & Pipeline Inspection		Shwe Platform (SHP) Subsea Facilities & Pipeline Inspection	
Point	Position	Point	Position
Mya (MNM)	19° 34'·79N., 92° 35'·07E.	Shwe Platform (SHP)	19° 40'·43N., 92° 32'·59E.
SP	19° 34'·82N., 92° 35'·07E.	SP	19° 40'·84N., 92° 34'·06E.
CP1	19° 35'·13N., 92° 35'·31E.	CP1	19° 40'·84N., 92° 34'·06E.
IP1	19° 36'·57N., 92° 35'·63E.	IP1	19° 40'·97N., 92° 34'·51E.
TP1	19° 39'·08N., 92° 34'·47E.	TP1	19° 40'·85N., 92° 34'·98E.
CP2	19° 39'·12N., 92° 34'·48E.	CP2	19° 27'·47N., 93° 28'·12E.
IP1	19° 39'·76N., 92° 33'·28E.	IP2	19° 27'·36N., 93° 28'·12E.
TP2	19° 41'·00N., 92° 32'·66E.	TP2	19° 27'·07N., 93° 28'·87E.
EP	19° 40'·41N., 92° 32'·60E.	LFP	19° 27'·07N., 93° 28'·87E.
SHP	19° 40'·43N., 92° 32'·59E.		

2. During the drilling period unauthorized navigation, anchoring, fishing and trawling are prohibited within 5 NM from the above mentioned areas.

3. Mariners are advised to navigate with caution.

**Charts affected – 31 (INT 756).****\*108(T) (08/19) BAY OF BENGAL AND ANDAMAN SEA – Andaman Sea – Drilling Operation.**

Source: Myanmar NTM 34/18.

1. Semi-Submersible drilling will be carried out by vessel Hakurya-5 (call sign: 3FZL6) in position 13° 02'·96N., 96° 52'·13E. till **30 Nov 19**.

2. During the drilling period unauthorized navigation, anchoring, fishing and trawling are prohibited within 5 NM from the above mentioned position.

3. Mariners are advised to navigate with caution.

**Charts affected – 41 (INT 757).**

## SECTION – IV

### MARINE INFORMATION

#### 1. NAVTEX TRANSMISSION

Status of MSI Promulgation by NAVTEX Stations is as follows:-

Mauritius (Cassis) - Operational

Seychelles (Mahe)-Operational

Following new Navtex stations along the Indian coast have commenced operations:-

<b>INTERNATIONAL NATIONAL NAVTEX FREQUENCY - 518 kHz</b>								
Sl.	Station Name	B1	Broad Cast Timings in UTC					
(a)	Veraval	H	0110	0510	0910	1310	1710	2110
(b)	Vengrula Point	J	0130	0530	0930	1330	1730	2130
(c)	Muttam Point	L	0150	0550	0950	1350	1750	2150
(d)	Porto Novo	O	0220	0620	1020	1420	1820	2220
(e)	Vakalpudi	Q	0240	0640	1040	1440	1840	2240
(f)	Balasore	S	0300	0700	1100	1500	1900	2300
(g)	Keating Point	V	0330	0730	1130	1530	1930	2330

#### 2. MISIDENTIFYING FISHING BOATS AS PIRATE SKIFFS

All merchant vessels entering Indian EEZ are advised that dense fishing activity may be encountered off West Coast of India. Fishing is generally carried out by mechanized boats and single hull boats with outboard motors carrying 4-5 crew using long lines upto 50 NM from coast. The vessels traversing the nets are likely to be approached by fishing boats for safeguarding nets and lines and should not be mistaken as skiffs and PAG's. Masters of vessels to report any suspicious activity of fishing vessels immediately to MRCC (Mumbai) on telephone +91-22-24388065, 24316558, Email: - [indsar@vsnl.net](mailto:indsar@vsnl.net), or [icgmrc\\_mumbai@mtnl.net](mailto:icgmrc_mumbai@mtnl.net). Any suspicious activity of skiffs/boats to be photographed if possible. Merchant vessels with armed guards on board are to report presence of guards to Indian Navy/Coast Guard while transiting Indian EEZ.

#### 3. DISPLAY ANOMALIES IN ECDIS

(a) Mariners are advised that the International Hydrographic Organization (IHO) check data set shows that some ECDIS systems fail to display some significant underwater features in the standard display mode. The use of this check data set, issued through ENC service providers and available from the IHO website [www.iho.int](http://www.iho.int), to check the operation of ECDIS is strongly recommended. JRC has confirmed that certain versions of JRC ECDIS fail to display some types of wreck and obstructions, including stranded wrecks, in any display mode.

Where JRC ECDIS is in use, paper charts should be the primary means of navigation until the ECDIS has been proved to operate correctly. See [www.jrc.co.jp/eng/product/marine/whatsnew/20120313/index.html](http://www.jrc.co.jp/eng/product/marine/whatsnew/20120313/index.html) for further information.

(b) Some Electronic Chart Display and Information Systems (ECDIS) may exhibit operating anomalies. The International Maritime Organization's (IMO) circular SN.1/CIRC.312 pages /imodocs.aspx (registration required) lists identified anomalies, Their characteristics and remedial advice. Mariners are reminded that they should access the International Hydrographic Organization (IHO) data presentation and performance check (DPPC) dataset (news links of <http://www.iho.int/srv1>) and ensure that all installed ECDIS units are checked.

#### 4. **SAFETY FAIRWAYS, RECOMMENDED ROUTES, TRAFFIC SEPARATION SCHEME**

The Director General Shipping has established Safety fairways, recommended routes and traffic separation scheme (TSS) in restricted Indian waters including the offshore development area to enhance safety of navigation. The details of coordinates for the above have been published in the fortnightly Indian Notices to Mariners Edition No 07 of 2018(01<sup>st</sup> April 2018).

(a) Safety Fairways: An area within which permits are not granted for the erection of oil or gas related structures. The use of a safety fairway is not usually mandatory, but is recommended. Safety fairways have been promulgated in and round offshore development area in Arabian Sea up to the Exclusive Economic Zone (EEZ) due to increased weather related marine accidents and dense traffic. These are mandatory for all Indian ships and vessels transiting through the ODA and recommendatory for all foreign flag ships and vessels irrespective of size.

(b) Traffic Separation Schemes (TSS). The TSS off Mumbai harbour is mandatory for all Indian and foreign flag ships and vessels entering and leaving Mumbai harbour and Jawaharlal Nehru Port Trust (JNPT)/ Nhava-Shevaharbour irrespective of size.

#### 5. **GAGAN SYSTEM COMMISSIONED FOR OPERATIONS**

The GAGAN System is now commissioned for safety of life, civil aviation, and en- route operations in addition to all other non-aviation applications. The GAGAN signal is being broadcasted through GSAT-8 and GSAT-10 with PRN127& 128 respectively.

All the GPS users are requested to enable SBAS functionality in their receivers, configure it to receive PRN-127& 128 and avail the benefits of GAGAN in terms of increased accuracy and reliability. There may be occasional signal outages due to system up-gradation activities.

#### 6. **USAGE OF THURAYA/ IRRIDUM AND SATELLITE PHONE**

The use of Thuraya, Iridium and other such satellite phone is banned in India under Sec 6 of Indian Wireless Act and Sec 20 of Indian Telegraph Act. It is intimated to all shipping companies/ shipping agents that use of Thuraya/ Iridium and other such satellite phones are banned in Indian waters and seafarers should not use the same.

Satellite phones can be used only after no objections certificate issued by department of telecommunication (DOT) on a case to case basis. The shipping agents should mandatorily intimate the details of person carrying Thuraya and the particulars of Thuraya, Iridium and other such sets in pre arrival notification on security (PANS).

The unauthorized holders of Thuraya/ Iridium and other such Satellite phones can be prosecuted under Sec 6 of Indian Wireless Act and Sec 20 of Indian Telegraph Act.

#### 7. **CAUTIONARY NOTE**

There is a finite amount of lag between publication of large and small scale Indian Nautical Charts. To avoid uncertainty the mariners are advised to use large scale charts for coastal navigation wherever applicable and available. In addition, mariners are to refer large scale charts in conjunction with small scale charts in areas where both overlap during both planning and conduct of passage.

#### 8. **ADVISORY FOR ALL VESSELS NAVIGATING INDIAN WATERS**

(a) All vessels navigating in Indian waters are cautioned to keep a sharp look-out for fishing vessels and small crafts, as there have been several incidents of collisions with such vessels in the past resulting in loss of innocent lives as well as damage to property.

(b) It is further cautioned that all vessels need to exercise extreme care while navigating during hours of darkness as such vessels are generally of primitive built (wood/fibre/etc) due to which it may not be detected on ship's radar, especially during adverse weather conditions. Also, such vessels may not be properly lit, or sometimes, only one vessel may be lit among multiple vessels in a cluster.

(c) The general areas of concern on the west coast of India are the areas of convergence and divergence of traffic, mainly between Mangalore to Kanyakumari (Cape Comorin). Further, in these areas, additional caution needs to be exercised and wide berth be given to all such vessels.

(d) All fishing vessels are also cautioned to avoid fishing in areas having high density traffic. All fishing vessels are also required to always maintain proper lookout by sight, hearing and by all available means and comply with all applicable provisions of Collision Regulations.



### List of Indian Chart Agents

<p><b>OSA Books and Periodicals</b> R-246, Greater Kailash –I, New Delhi - 110 048 Tel/Fax: +91-11-26418643, 46557337, Mob: 9971093992 Email: <a href="mailto:rpani246@gmail.com">rpani246@gmail.com</a></p>	<p><b>M/s VDO Marine Insrtuments</b> Shanghar Building, PO Bag No – 645, 45/271, Corner of Bristow &amp; Naval Road, Willingdon Island, Kochi – 682 003 Tel: +91 484 2667157 Fax: +91 484 2667121 Email: <a href="mailto:atmain@md4.vsnl.net.in">atmain@md4.vsnl.net.in</a></p>
<p><b>M/s Global Charts &amp; Nav. Aids Pvt. Limited</b> 1A, Goa Mansion, Ground Floor, 58, Dr. SunderlalBahl Path (Goa Street), Fort, Mumbai - 400 001 Tel: 91-22-22626318, 22626380 Fax: 91-22-22621488 Email: <a href="mailto:sales@globalcharts.in">sales@globalcharts.in</a> Web: <a href="http://www.globalcharts.com.sg">www.globalcharts.com.sg</a></p>	<p><b>SMS Marine Private Ltd</b> 505, Raheja Arcade, Sector 11, CBD Belapur, Navi Mumbai – 400 614 Tel: +91-22-62233326, Fax: 022-67939504 Mobile: +91 9820 238 542 Email: <a href="mailto:info@c-map.co.in">info@c-map.co.in</a> , <a href="mailto:raj.chakravorty@smsmap.com">raj.chakravorty@smsmap.com</a> Web: <a href="http://www.smsmaps.co.in">www.smsmaps.co.in</a></p>
<p><b>M/s C &amp; C Marine Combine</b> 25 Bank Street, 1<sup>st</sup> Floor, Fort Mumbai - 400 023 Tel: 91-22- 22660017/0018/0525/1937 Ext: 32 Tel: 91-22-22672143 Fax: 91-22-22670896 Email: <a href="mailto:vijay@ccmarine.in">vijay@ccmarine.in</a>, <a href="mailto:sales@ccmarine.in">sales@ccmarine.in</a></p>	<p><b>M/s Global Marine Infratech Pvt. Ltd.</b> SikshaSandan, Ground Floor, Plot No. ND7, VIP Area, IRC Village, Bhubaneswar – 751015 Tel: +91-674-2550599, Fax: +91-674-2551899 Cell:- +91-9337477799, 7077702499 Email: <a href="mailto:tusarkantha@gmiindia.in">tusarkantha@gmiindia.in</a> Web: <a href="http://www.gmiindia.in">www.gmiindia.in</a></p>
<p><b>M/s JM Maritime Services</b> 24/24C Kavarana Building, Ground Floor, WadiBunder, P.D. Mellow Road, Mumbai – 400 009 Tel: +91 22 23736956, Fax: 022 - 23725083 Cell: +91 9820788357 Email : <a href="mailto:jmms@mtnl.net.in">jmms@mtnl.net.in</a> , <a href="mailto:charts@mtnl.net.in">charts@mtnl.net.in</a></p>	<p><b>L. R. Marine Services</b> 301, 3rd Floor, Biry House, 265, PerinNariman Street, Fort, Mumbai - 400 001. Tel: +91-22-2269 1535, Fax: +91-22-66359148 Cell No: +91 8108926880/ +91 98214 60258 Email: <a href="mailto:lrcharts@gmail.com">lrcharts@gmail.com</a>, <a href="mailto:lrmarine@live.com">lrmarine@live.com</a></p>
<p><b>M/s Lift o Marine</b> Allen’s Mansion, C6, Nungi Station Road, Bata Nagar, Kolkata – 700 140 Tel: +91 9836972027 Fax: 033 24924283 Email: <a href="mailto:sankar@liftomarine.org">sankar@liftomarine.org</a>, <a href="mailto:liftomarine77@gmail.com">liftomarine77@gmail.com</a> Web: <a href="http://www.liftomarine.org">www.liftomarine.org</a></p>	<p><b>IIC Technologies Limited</b> 8-2-350/5/B-22, Road No. 3, Banjara Hills, Hyderabad – 500 034, Telangana Tel: +91 40 39144444 Fax: +91 40 39144455 Email: <a href="mailto:somnath.marthi@iictechnologies.com">somnath.marthi@iictechnologies.com</a> <a href="mailto:sanjeev.sharma@iictechnologies.com">sanjeev.sharma@iictechnologies.com</a> Web: <a href="http://www.iictechnologies.com">www.iictechnologies.com</a></p>
<p><b>M/s Zenith Surveys (I) Pvt. Ltd.</b> Lakhani’sPlam View, First Floor, Office No. 889, Sector 48, Nerul, Navi Mumbai – 400 706 Tel/ Fax: +91-22- 27708011 Email: <a href="mailto:zenithsurveys703@gmail.com">zenithsurveys703@gmail.com</a> <a href="mailto:nyvmane@yahoo.com">nyvmane@yahoo.com</a> Web: <a href="http://www.zenithsurvey.com">www.zenithsurvey.com</a></p>	



**SECTION – V****NAVAREA – VIII WARNINGS IN FORCE**

1. For details of NAVAREA limits and organisation/coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2016.

2. NAVAREA VIII Warnings in force as on 15 Apr 19:-

<b>2017 SERIES</b> – 394 685 762 814 866
<b>2018 SERIES</b> – 222 312 375 428 471 567 661 758 818
<b>2019 SERIES</b> – 024 088 115 121 129 169 199 209 220 231 234 250 259 270 271 274 275 282 287 289 302 305 308 310 311 315 316 317 318 322 323 325 328 329 330 331 332 333 334 335

3. NAVAREA VIII Warnings issued during the period from 01 Apr 19 to 15 Apr 19 (both dates inclusive) are as tabulated below:-

<b>278. Cancel NAVAREA VIII MSG 255/19 and this MSG.</b>
<b>279. India West Coast – off Ratnagiri.</b> Charts IN 256 293 (INT 7022). Firing by NAVAL ships scheduled on 06 Apr 19 from 0030 to 1030 UTC in danger area bounded by 16-39N 071-35E, 16-05N 071-18E, 16-23N 072-10E, 15-45N 071-52E. 2. Cancel this MSG 061130 UTC Apr 19.
<b>280. India West Coast – Okha.</b> Charts IN 271 2068 INT 7319. Firing by Naval coast battery scheduled on 05 Apr 19 from 0530 to 0730 UTC in danger sector extending upto 12 nm within bearing 300 to 020 from 22-28.75N 069-04.05E. 2. Cancel this MSG 050830 UTC Apr 19.
<b>281. India West Coast – off Daman.</b> Charts IN 254 (INT 7331). SV Polar Marquis progressing seismic survey in area bounded by 20-19.67N 071-52.45E, 20-28.44N 071-52.24E, 20-35.35N 071-59.23E, 20-42.18N 072-13.99E, 20-42.28N 072-20.2E, 20-31.49N 072-14.81E, 20-34.94N 072-24.96E, 20-27.06N 072-26.85E, 20-16.57N 072-26.99E, 20-08.85N 072-05.24E. 2. Vessel towing 10 streamers of 6 km with yellow tail buoy FL 2S. Wide berth of 8 nm ahead and 2 nm astern requested. 3. Cancel this MSG 131830 UTC Apr 19.
<b>282. India West Coast – Off Mumbai.</b> Charts IN 255 (INT 7334). RV Pacific Finder and Neptune Naiad with support vessels progressing seismic survey in area bounded by 18-39.99N 072-07.86E, 18-40.23N 072-28.64E, 18-35.55N 072-23.14E, 18-25.64N 072-23.14E, 18-25.45N 072-07.67. Vessels towing 3 cables of 130 metres with 200 metres spread. Wide berth requested. 2. Cancel This MSG 011830 UTC May 19.
<b>283. India West Coast - off Mormugao.</b> Charts IN 257 293 (INT 7022). Firing by Naval ships scheduled from 061630 to 091830 UTC Apr 19 in danger area bounded by 14-15N 072-52E, 14-20N 071-52E, 15-30N 071-48E, 16-09N 072-44E, 15-17N 073-21E. 2. Cancel this MSG 091930 UTC Apr 19.
<b>284. India West Coast. Charts IN 251 254 255 292 INT 71. Rig list:-</b> ACTINIA 19-26.69N 070-58.52E DEEP SEA MATDRILL 19-39.98N 071-35.75E GREAT DRILL CHAAYA 18-37.24N 072-14.94E GREAT DRILL CHAARU 19-13.97N 072-12.32E GREAT DRILL CHETNA 22-49.35N 068-24.86E GREAT DRILL CHITRA 19-22.58N 071-00.85E DEMOBILISED HARVEY H WARD 18-56.59N 071-38.49E JINDAL STAR 20-14.88N 071-57.76E JINDAL SUPREME 19-14.58N 072-14.66E JT ANGEL 19-14.98N 071-28.43E SAGAR GAURAV 19-35.93N 070-57.18E SAGAR KIRAN 18-47.39N 072-30.66E SAGAR SHAKTI 20-22.31N 072-18.69E SAGAR UDAY 19-08.42N 070-53.87E TRIDENT II 19-19.47N 071-12.06E TRIDENT XII 18-44.96N 072-20.01E VALIANT DRILLER 20-23.60N 071-21.13E VICTORY DRILLER 19-10.61N 070-57.72E VIRTUE-I 19-15.20N 072-02.17E VIVEKANANDA1 20-08.71N 071-44.94E VIVEKANANDA2 19-11.05N 072-11.20E

<b>284. Continued.</b>
2. Wide berth requested.
3. Cancel NAVAREA VIII MSG 277/19.
<b>285. Cancel NAVAREA VIII MSG 203/19 And This MSG. INTM Section VII Of EDN 06/19 refers.</b>
<b>286. India West Coast – Mumbai.</b> Charts IN 211 255 (INT 7334) 2016. Firing by Naval Coast Batteries at middle ground, oyster rock scheduled on 03 and 04 Apr 19 from 0400 to 0830 UTC in danger areas bounded by (A) 18-54.65N 072-50.58E, 18-50N 072-54.5E, 18-54.5N 072-54E, 18-55.17N 072-54.83E (B) 18-54.65N 072-50.58E, 18-50N 072-54.5E, 18-48N 072-52E, 18-54.08N 072- 49.8E. Wide berth from areas advised.
2. Cancel this MSG 040930 UTC Apr 19.
<b>287. Bay Of Bengal - off Myanmar.</b> Chart BA 818 (INT 7433). Buoy (18-21.6N 094-20.6E) missing.
2. Cancel NAVAREA VIII MSG 263/19. INTM section VII of EDN 07/19 refers.
<b>288. India West Coast. Charts IN 251 254 255 292 INT 71. Rig list:-</b>
ACTINIA 19-26.69N 070-58.52E
DEEP SEA MATDRILL 19-39.98N 071-35.75E
GREAT DRILL CHAAYA 18-37.24N 072-14.94E
GREAT DRILL CHAARU 19-13.97N 072-12.32E
GREAT DRILL CHETNA 22-49.35N 068-24.86E
HARVEY H WARD 18-56.59N 071-38.49E
JINDAL STAR 20-14.88N 071-57.76E
JINDAL SUPREME 19-14.58N 072-14.66E
JT ANGEL 19-14.98N 071-28.43E
SAGAR GAURAV 19-35.93N 070-57.18E
SAGAR KIRAN 18-47.39N 072-30.66E
SAGAR RATNA 19-07.35N 072-06.45E NEW
SAGAR SHAKTI 20-22.31N 072-18.69E
SAGAR UDAY 19-08.42N 070-53.87E
TRIDENT II 19-26.84N 071-15.46E NEW
TRIDENT XII 18-44.96N 072-20.01E
VALIANT DRILLER 20-23.60N 071-21.13E
VICTORY DRILLER 19-10.61N 070-57.72E
VIRTUE-I 19-15.20N 072-02.17E
VIVEKANANDA1 20-08.71N 071-44.94E
VIVEKANANDA2 19-11.05N 072-11.20E
2. Wide berth requested.
3. Cancel NAVAREA VIII MSG 284/19.
<b>289. India West Coast.</b> Charts IN 257 (INT 7343) 2046. Vengurla (15-51N 073-37E) NAVTEX transmitter inoperative.
<b>290. India East Coast – off Nagappattinam.</b> Chart IN 358 (INT 7394). SLFV Sudu Puthal reported adrift 10-17N 080-28E at 020630 UTC Apr 19.
2. Cancel THIS MSG 060630 UTC Apr 19.
<b>291. India West Coast - off Trivandrum.</b> Charts IN 222 223 INT 752. Rocket launch from Thumba (08-31.98N 076-52.05E) scheduled on 08 Apr 19 from 1000 to 1200 UTC.
2. Danger sector:- (A) Radius of 05 nm from launcher between azimuth 190 and 300. (B) Radii of 45 and 75 nm from launcher between azimuth 220 and 260.
3. Wide berth from areas advised.
4. Cancel this MSG 081300 UTC Apr 19.
<b>292. India East Coast. Charts IN 355 (INT 7405). Rig list:-</b>
ABAN II 16-39.01N 082-22.73E
DEEP DRILLER8 16-40.09N 082-25.43E
DDKG1 16-09.53N 082-35.82E
ESSAR WILDCAT 16-18.41N 082-12.33E
SSV LOUISIANA 16-19.56N 082-21.06E
OLINDA STAR 16-19.38N 082-16.53E
DSR PLATINUM EXPLORER 16-17.74N 082-22.73E
WEST TELESTO 17-01.00N 082-25.00E DEMOBILISED
2. Wide berth requested.
3. Cancel NAVAREA VIII MSG 246/19.
<b>293. Cancel NAVAREA VIII MSG 262/19 and this MSG.</b>
<b>294. India West Coast. Charts IN 251 254 255 292 INT 71. Rig list:-</b>
ACTINIA 19-26.69N 070-58.52E
DEEP SEA MATDRILL 19-39.98N 071-35.75E
GREAT DRILL CHAAYA 18-37.24N 072-14.94E
GREAT DRILL CHAARU 19-13.97N 072-12.32E

<b>294. Continued.</b>	
GREAT DRILL CHETNA	22-49.35N 068-24.86E
HARVEY H WARD	18-56.59N 071-38.49E
JINDAL STAR	20-14.88N 071-57.76E DEMOBILISED
JINDAL SUPREME	19-14.58N 072-14.66E
JT ANGEL	19-14.98N 071-28.43E
SAGAR GAURAV	19-35.93N 070-57.18E
SAGAR KIRAN	18-47.39N 072-30.66E
SAGAR RATNA	19-07.35N 072-06.45E
SAGAR SHAKTI	20-22.31N 072-18.69E
SAGAR UDAY	19-08.42N 070-53.87E
TRIDENT II	19-26.84N 071-15.46E
TRIDENT XII	18-44.96N 072-20.01E
VALIANT DRILLER	20-23.60N 071-21.13E
VICTORY DRILLER	19-10.61N 070-57.72E
VIRTUE-I	19-15.20N 072-02.17E
VIVEKANANDA1	20-08.71N 071-44.94E
VIVEKANANDA2	19-11.05N 072-11.20E
2.	Wide berth requested.
3.	Cancel NAVAREA VIII MSG 288/19.
<b>295. Cancel NAVAREA VIII MSG 279/19, 283 and this MSG.</b>	
<b>296. India East Coast – Off Nagappattinam.</b> Chart IN 357 (INT 7397). Slfv Sudu Puthal reported adrift 11-04N 080-03E at 030230 UTC Apr 19.	
2.	Cancel NAVAREA VIII MSG 290/19 and this MSG 060230 UTC Apr 19.
<b>297. India West Coast – off Porbandar.</b> Charts IN 204 205 252 (INT 7325). Firing from Kathiawar range scheduled daily from 05 to 08 Apr 19 from 0001 to 2359 UTC in danger area bounded by 22-12N 068-36.33E, 21-15.5N 069-04E, 21-09N 069-40E, 21-15.5N 069-42.5E, 22-05.75N 068-49E.	
2.	Cancel this MSG 090100 UTC Apr 19.
<b>298. India West Coast - Gulf Of Kachchh.</b> Charts IN 203 (INT 7319) 2068. Salaya channel buoys Chandri, Tilburn unlit, fairway buoy (22-30N 069-31E) missing and new North Cardinal buoy (22-34N 069-18E) retrieved.	
2.	Cancel NAVAREA VIII MSG 767/18.
<b>299. Cancel NAVAREA VIII MSG 206/19, 296 and this MSG.</b>	
<b>300. India East Coast. Charts IN 355 (INT 7405). Rig list:-</b>	
ABAN II	16-39.01N 082-22.73E
DEEP DRILLER8	16-40.09N 082-25.43E
DDKG1	16-10.24N 082-34.90E NEW
ESSAR WILDCAT	16-18.41N 082-12.33E
SSV LOUISIANA	16-19.56N 082-21.06E
OLINDA STAR	16-19.38N 082-16.53E
DSR PLATINUM EXPLORER	16-17.74N 082-22.73E
2.	Wide berth requested.
3.	Cancel NAVAREA VIII MSG 292/19.
<b>301. South Bay of Bengal.</b> Charts 33 (INT 755). SLFV Nadeesha reported adrift 06-20N 087-15E at 041250 UTC Apr 19.	
2.	Cancel this MSG 071250 UTC Apr 19.
<b>302. Andaman Sea – off Barren.</b> Charts IN 41 473 (INT 7031). Firing by CG Aircraft scheduled on 11, 12, 17, 18 Apr 19 from 0430 to 0930 UTC in danger area bounded within 11-50N to 12-00N and 093-40E to 094-10E. Wide berth from area advised.	
2.	Cancel this MSG 181030 UTC Apr 19.
<b>303. India East Coast – off Gopalpur.</b> Charts IN 352 353 (INT 7413). Army Air Defence firing and BPTA flight scheduled on 09, 10, 11, 12, Apr 19 from 0130-0830 and 0930-1430 UTC in danger area bounded by (A) 19-14.6N 084-53.7E (B) 19-07.39N 085-35.94E (C) 18-33.61N 084-53.74E and arc of 40 nm radius joining point B and C. Wide berth from area advised.	
2.	Cancel this MSG 121530 UTC Apr 19.
<b>304. India East Coast – Off Chennai.</b> Charts IN 356 (INT 7400). Firing by CG Aircraft scheduled from 09, 10, 11 Apr 19 from 0130 to 1130 UTC in danger area bounded within 12-49N to 12-59N and 080-46E to 081-26E. Wide berth from area advised.	
2.	Cancel this MSG 111230 UTC Apr 19.
<b>305. India East Coast – off Bhimunipatnam.</b> Charts IN 308(INT 7409) 3030. RV Samudra kaustubh progressing survey from 06 Apr 19 in area bounded by 17-48.24N 083-27.55E, 17-52.11N 083-31.55E, 17-49.75N 083-33.98E, 17-45.98N 083-29.95E. Wide berth over 1 nm requested.	
2.	Cancel this MSG 261830 UTC Apr 19.
<b>306. NAVAREA VIII warnings in force as on 05 Apr 2019:-</b>	

<p><b>306. Continued.</b>  <b>2017 SERIES</b> – 394 685 762 814 866  <b>2018 SERIES</b> - 222 312 375 428 471 567 661 758 818 826  <b>2019 SERIES</b> – 024 071 088 115 121 129 169 171 199 200 209 220 231 234 239 240 241  250 259 261 270 271 273 274 275 281 282 287 289 291 294 297 298 300 301 302 303  304 305  (A) NAVAREA VIII warnings less than 42 days promulgated via SafetyNet  (B) Text of NAVAREA VIII warnings inforce including those which no longer broadcast available in  <a href="http://www.hydrobharat.gov.in">www.hydrobharat.gov.in</a>.</p> <p>2. Cancel this MSG 121830 UTC Apr 19.</p>																																								
<p><b>307. India West Coast - off Mormugao.</b> Charts IN 22 INT 71. Firing by Naval ships scheduled from 101630 to 131830 UTC Apr 19 in danger area bounded by 16-52N 070-09E, 15-10N 070-27E, 14-54N 068-57E, 16-35N 068-40E. Wide berth from area advised.</p> <p>2. Cancel this MSG 131930 UTC Apr 19.</p>																																								
<p><b>308. India West Coast – off Mumbai.</b> Charts IN 254 255 INT 752. GTV Samudra Sarvekshak progressing soil investigation at 18-17.26N 072-19.49E, 18-16.43N 072-22.76E, 17-56.08N 072-25.3E, 20-22.47N 072-04.5E, 20-10.65N 072-12.43E, 19-34.27N 071-49.96E, 18-58.2N 071-28.52E, 18-53.01N 071-05.7E, 19-17.29N 071-01.93E, 19-34.56N 071-21.81E, 18-39.23N 070-59.68E, 18-40.23N 070-57.51E. Wide berth requested.</p> <p>2. Cancel this MSG 241830 UTC May 19.</p>																																								
<p><b>309. Cancel NAVAREA VIII MSG 273/19 and this MSG.</b></p>																																								
<p><b>310. India West Coast - Gulf of Kachchh.</b> Charts IN 203 (INT 7319) 2068. Salaya channel buoys Chandri, Tilburn unlit, fairway buoy (22-30N 069-31E) missing and new North Cardinal buoy (22-34.1N 069-18.34E) relaid.</p> <p>2. Cancel NAVAREA VIII MSG 298/19.</p>																																								
<p><b>311. India West Coast – Off Mumbai Port.</b> Charts IN 2016 INT 7336. Tug Revti reported sunk 19-01.6N 072-38.79E. Wide berth advised.</p> <p>2. Cancel NAVAREA VIII MSG 240/19.</p>																																								
<p><b>312. India West Coast. Charts IN 251 254 255 292 INT 71. Rig list:-</b></p> <table> <tbody> <tr><td>ACTINIA</td><td>19-26.69N 070-58.52E</td></tr> <tr><td>DEEP SEA MATDRILL</td><td>19-39.98N 071-35.75E</td></tr> <tr><td>GREAT DRILL CHAAYA</td><td>18-37.24N 072-14.94E</td></tr> <tr><td>GREAT DRILL CHAARU</td><td>19-13.97N 072-12.32E</td></tr> <tr><td>GREAT DRILL CHETNA</td><td>22-49.35N 068-24.86E</td></tr> <tr><td>HARVEY H WARD</td><td>18-56.59N 071-38.49E</td></tr> <tr><td>JINDAL SUPREME</td><td>19-14.58N 072-14.66E</td></tr> <tr><td>JT ANGEL</td><td>19-14.98N 071-28.43E</td></tr> <tr><td>SAGAR GAURAV</td><td>19-35.93N 070-57.18E</td></tr> <tr><td>SAGAR KIRAN</td><td>18-47.39N 072-30.66E</td></tr> <tr><td>SAGAR RATNA</td><td>19-07.35N 072-06.45E</td></tr> <tr><td>SAGAR SHAKTI</td><td>20-22.31N 072-18.69E</td></tr> <tr><td>SAGAR UDAY</td><td>19-08.42N 070-53.87E</td></tr> <tr><td>TRIDENT II</td><td>19-26.84N 071-15.46E</td></tr> <tr><td>TRIDENT XII</td><td>18-44.96N 072-20.01E</td></tr> <tr><td>VALIANT DRILLER</td><td>18-44.08N 072-18.48E NEW</td></tr> <tr><td>VICTORY DRILLER</td><td>19-10.61N 070-57.72E</td></tr> <tr><td>VIRTUE-I</td><td>19-15.20N 072-02.17E</td></tr> <tr><td>VIVEKANANDA1</td><td>20-08.71N 071-44.94E</td></tr> <tr><td>VIVEKANANDA2</td><td>19-11.05N 072-11.20E</td></tr> </tbody> </table> <p>2. Wide berth requested.  3. Cancel NAVAREA VIII MSG 294/19.</p>	ACTINIA	19-26.69N 070-58.52E	DEEP SEA MATDRILL	19-39.98N 071-35.75E	GREAT DRILL CHAAYA	18-37.24N 072-14.94E	GREAT DRILL CHAARU	19-13.97N 072-12.32E	GREAT DRILL CHETNA	22-49.35N 068-24.86E	HARVEY H WARD	18-56.59N 071-38.49E	JINDAL SUPREME	19-14.58N 072-14.66E	JT ANGEL	19-14.98N 071-28.43E	SAGAR GAURAV	19-35.93N 070-57.18E	SAGAR KIRAN	18-47.39N 072-30.66E	SAGAR RATNA	19-07.35N 072-06.45E	SAGAR SHAKTI	20-22.31N 072-18.69E	SAGAR UDAY	19-08.42N 070-53.87E	TRIDENT II	19-26.84N 071-15.46E	TRIDENT XII	18-44.96N 072-20.01E	VALIANT DRILLER	18-44.08N 072-18.48E NEW	VICTORY DRILLER	19-10.61N 070-57.72E	VIRTUE-I	19-15.20N 072-02.17E	VIVEKANANDA1	20-08.71N 071-44.94E	VIVEKANANDA2	19-11.05N 072-11.20E
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<p><b>313. India West Coast – off Porbandar.</b> Charts IN 204 205 252 (INT 7325). Firing from Kathiawar range scheduled ON 10 Apr 19 from 0001 to 2359 UTC in danger area bounded by 22-12N 068-36.33E, 21-15.5N 069-04E, 21-09N 069-40E, 21-15.5N 069-42.5E, 22-05.75N 068-49E.</p> <p>2. Cancel this MSG 110100 UTC Apr 19.</p>																																								
<p><b>314. Bay Of Bengal – off Paradip.</b> Charts IN 31(INT 756) 351 352. Experimental flight trial scheduled from ITR on 15 Apr from 0530 to 0830 UTC and 16 Apr 19 from 0630 TO 0930 UTC in danger area bounded by 21-31.27N 087-07.03E, 20-41.97N 088-04.61E, 19-20.74N 086-32.79E, 19-44.06N 086-15.91E, 20-32.21N 087-13.49E, 20-48.59N 087-08.02E, 20-57.36N 086-54.46E, 21-09.76N 086-48.84E, 21-19.69N 086-53.63E. Wide berth from area advised.</p> <p>2. Cancel this MSG 161030 UTC Apr 19.</p>																																								
<p><b>315. Andaman Sea – off Gulf of Martaban.</b> Charts BA 830 INT 757. MV Meo resolution progressing survey along 14-11.46N 096-02.78E to 14-27N 097-54E. Wide berth requested.</p> <p>2. Cancel this MSG 261830 UTC Apr 19.</p>																																								
<p><b>316. South Andaman Sea.</b> Chart IN 33(INT 755). Cable repair vessel Asean Restorer progressing operations in area bounded by 07-04.93N 089-50.25E, 06-55.59N 090-15.5E, 06-45.21N 090-11.69E, 06-44.63N 089-50.15E. Wide berth requested.</p>																																								

<b>316. Continued.</b>
2. Cancel this MSG 301830 UTC Apr 19.
<b>317. Andaman Sea – off Nicobar.</b> Chart IN 472(INT 7032). Campbell Bay DGPS off from 11 Apr 19.
<b>318. India West Coast – off Malwan.</b> Charts IN 213 INT 7340. FV Shiv Raksha reported sunk in vicinity of 16-10N 073-18E.
2. Wide berth advised.
<b>319. India West Coast– Gulf of Khambhat.</b> Charts IN 207 INT 7331. Narmada Channel buoys 4, 8 relaid, 9 retrieved and 7 shifted to 20-56N 072-09.4E.
2. Cancel NAVAREA VIII MSG 071/19.
<b>320. South Central Bay of Bengal.</b> Chart IN 33(INT 755). SLFV Sandeepani reported adrift 10-08N 086-50E at 110330 UTC Apr 19
2. Cancel this MSG 140330 UTC Apr 19.
<b>321. Cancel NAVAREA VIII MSG 826/18 and this MSG.</b>
<b>322. India West Coast– Okha Port.</b> Charts IN 2013 (INT 7324).
2. Following reported by INS Jamuna:- (A) Channel port buoys 22-30.49N 069-05.42E(FL R 4S), 22-29.49N 069-05.66E(FL R 4S) and stbd buoys 22-29.33N 069-05.37E(FL G 4S), 22-29.12N 069-05.39E(FL G 4S) laid. (B) Pillar LT (22-26.9N 069-04.4E) unlit. (C) Stbd and port buoys-1 missing.
<b>323. India West Coast – off Daman.</b> Charts IN 254 (INT 7331). SV Polar marquis progressing seismic survey in area bounded by 20-19.67N 071-52.45E, 20-28.44N 071-52.24E, 20-35.35N 071-59.23E, 20-42.18N 072-13.99E, 20-42.28N 072-20.2E, 20-31.49N 072-14.81E, 20-34.94N 072-24.96E, 20-27.06N 072-26.85E, 20-16.57N 072-26.99E, 20-08.85N 072-05.24E.
2. Vessel towing 10 streamers of 6 km with yellow tail buoy FL 2S. Wide berth of 8 nm ahead and 2 nm ASTERN requested.
3. Cancel NAVAREA VIII MSG 281/19 and this MSG 241830 UTC Apr 19.
<b>324. Cancel NAVAREA VIII MSG 200/19 and this MSG. INTM 081(T)/19 refers.</b>
<b>325. NAVAREA VIII Warnings In Force As On 05 Apr 2019:-</b> <b>2017 SERIES</b> – 394 685 762 814 866 <b>2018 SERIES</b> - 222 312 375 428 471 567 661 758 818 <b>2019 SERIES</b> – 024 088 115 121 129 169 199 209 220 231 234 239 250 259 270 271 274 275 282 287 289 300 302 305 307 308 310 311 312 314 315 316 317 318 319 320 322 323 324 (A) NAVAREA VIII Warnings Less Than 42 Days Promulgated Via Safetynet. (B) Text Of NAVAREA Viii Warnings Inforce Including Those Which No Longer Broadcast Available In <a href="http://www.Hydrobharat.Gov.In">www.Hydrobharat.Gov.In</a> .
2. Cancel This MSG 191830 UTC Apr 19.
<b>326. South Central Bay of Bengal.</b> Chart IN 33(INT 755). SLFV Sandeepani reported adrift 09-55N 086-37E at 120315 UTC Apr 19.
2. Cancel NAVAREA VIII MSG 320/19 and this MSG 150315 UTC Apr 19.
<b>327. India West Coast– Gulf of Khambhat.</b> Charts IN 207 INT 7331. Narmada Channel buoys 7, 9 retrieved.
2. Cancel NAVAREA VIII MSG 319/19.
<b>328. India West Coast– off Porbandar.</b> Charts IN 205 INT 7325. FV Prabhu Sagar reported sunk 21-11.58N 069-31.65E.
<b>329. Arabian Sea. Chart INT 71.</b> Special buoys AD08 (12-04N 068-37E) ITB12A (18-38.01N 067-10.92E) FL 4 15S 4m with radar reflector and ITB12 (19-53.75N 066-59.83E) FL 4 15S 4m deployed. Wide berth requested.
<b>330. India West Coast– Gulf of Khambhat.</b> Charts IN 207 INT 7331. Narmada channel buoys 6, 7, 9 retrieved.
2. Cancel NAVAREA VIII MSG 327/19.
<b>331. India East Coast. Charts IN 355 (INT 7405). Rig list:-</b> ABAN II 16-39.01N 082-22.73E DEEP DRILLER8 16-40.09N 082-25.43E DDKG1 16-10.24N 082-34.90E ESSAR WILDCAT 16-18.41N 082-12.33E SSV LOUISIANA 16-19.56N 082-21.06E OLINDA STAR 16-19.21N 082-16.33E NEW DSR PLATINUM EXPLORER 16-17.74N 082-22.73E
2. Wide berth requested.
3. Cancel NAVAREA VIII MSG 300/19.
<b>332. India West Coast. Charts IN 251 254 255 292 INT 71. Rig list:-</b> ACTINIA 19-26.69N 070-58.52E DEEP SEA MATDRILL 19-39.98N 071-35.75E GREAT DRILL CHAAYA 18-41.51N 072-21.21E NEW GREAT DRILL CHAARU 19-13.97N 072-12.32E

<b>332.</b>	<b>Continued.</b>	
	GREAT DRILL CHETNA	22-49.35N 068-24.86E
	HARVEY H WARD	18-56.59N 071-38.49E
	JINDAL SUPREME	19-14.58N 072-14.66E
	JT ANGEL	19-14.98N 071-28.43E
	SAGAR GAURAV	19-35.93N 070-57.18E
	SAGAR KIRAN	18-47.39N 072-30.66E
	SAGAR RATNA	19-07.35N 072-06.45E
	SAGAR SHAKTI	20-22.31N 072-18.69E
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	VICTORY DRILLER	19-10.61N 070-57.72E
	VIRTUE-I	19-15.20N 072-02.17E
	VIVEKANANDA1	20-08.71N 071-44.94E
	VIVEKANANDA2	19-11.05N 072-11.20E
2.	Wide berth requested.	
3.	Cancel NAVAREA VIII MSG 312/19.	
<b>333.</b>	<b>Cancel NAVAREA VIII MSG 314/19 and this MSG.</b>	
<b>334.</b>	<b>Bay Of Bengal - off Chittagong.</b> Charts IN 31 (INT 756). Firing by Naval ships scheduled from 162300-170100 UTC Apr 19 in danger area bounded within 20-34N to 20-58N and 089-34E to 089-54E. Wide berth from area advised.	
2.	Cancel this MSG 170200 UTC Apr 19.	
<b>335.</b>	<b>India West Coast- off Jakhau.</b> Charts IN 2005 INT 7318. Barge Velim reported sunk in vicinity of 23-08.5N 068-28.9E on 15 Apr 19. 01 Crew missing.	
2.	Wide berth advised.	

**SECTION – VI**  
**CORRECTIONS TO SAILING DIRECTIONS (PILOTS)**

**West coast of India Pilot (INP-1)**

**Chapter - 7 (Page 290)**

(Source: JNPT)

*Article 7.276, Insert after para 1*

2 Anchorage may be obtained in area centred in position 18°55.95' N, 072°54.24' E with radius of 350m and maintained depth 11.2m.

**SECTION – VII**  
**CORRECTIONS TO LIST OF LIGHTS**

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. (mts)	Range (miles)	Structure & Height (mts)	Remarks
D7088.5	- Ldg Lts 354°. Front (FR) *	21 20.75 S 55 28.64 E	Q W	8	5	White □, black stripes	
D7088.51	- - Rear. 100m from front (FR) *	21 20.70 S 55 28.64 E	Q W	13	5	White tower, black stripes	
D7298.4255	Remove from list; deleted						
BAHRAIN. PORT OF MINA. SALMAN							
D7400.86	- Bahrain. LNG Terminal *	26 13.83 N 50 44.94 E	Mo(U)R	..	10		*
D7400.88	--- *	26 14.08 N 50 44.91 E	Mo(U)R	..	10		*
D7400.89	--- *	26 14.10 N 50 44.91 E	Mo(U)R	..	10		*
D7400.895	--- *	26 14.10 N 50 44.89 E	Mo(U)R	..	10		*
F0715	<b>Anjengo</b> *	08 39.81 N 76 45.86 E	FI(2)W 20s	38	19	White round concrete tower, black bands 36	
F1690.725	- Pulau Semakau. Semakau Beacon. Dir Lt 017° (SHELL) -----	01 12.59 N 103 46.66 E ..	Dir F WRG  <i>By day</i>	15 ..	13 4	On top of Refuse Building	F G016°-016.5°(0.5°). F W016.5°-017.5°(1°). F R017.5°-019°(1.5°). Occas. <b>G016.5°-017.2°(0.7°)</b> , <b>W017.2°-018.1°(0.9°)</b> , <b>R018.1°-019.7°(1.6°) (P) 2019</b> *
F1718.7	- Outer Shoal *	01 15.01 N 103 51.80 E	FI G 5s	8	5	Green buoyant beacon with Δ topmark	<b>TE; Replaced by green lateral light-buoy FI G 5s close NW (T) 2019</b> *



**SECTION – VIII**  
**CORRECTION TO LIST OF RADIO SIGNALS**

**INP 31(1), 2014**

*(Last correction: Edition No. 15 dated 01 Aug 2018)*

NIL

**INP 31(2), 2014**

*(Last correction: Edition No.07 dated 01 Apr 2019)*

NIL

**NP 31(5), 2017**

*( Last correction: Edition No. 23 dated 1 Dec 2018)*

NIL

**INP 31(6), 2012**

*(Last correction: Edition No. 04 dated 16 Feb 2019)*

NIL

## SECTION – IX

### REPORTING OF NAVIGATIONAL DANGERS

#### Appeal to all Mariners

1. Mariners at sea whilst on passage, or whilst entering / leaving ports / harbours and other waterways, are requested to look out for new or suspected dangers to navigation, changes in aids to navigation, or corrections to published charts and Sailing Directions. Whenever any such changes / dangers are observed, mariners are requested to notify the same to the Chief Hydrographer to the Government of India at the following address: -

National Hydrographic Office  
107-A, Rajpur Road,  
Dehradun - 248001  
(UTTARAKHAND), INDIA  
e-mail: - inho@navy.gov.in, msis-inho@navy.gov.in  
Fax No.: +91-135- 2748373  
WEB: www.hydrobharat.gov.in

#### Instructions for filling up IH 102

2. Kindly follow the instructions below in order to help the Hydrographic Office (the recipient) to quickly issue NAVAREA warning / Notice to Mariners for the benefit of all other mariners at sea.

#### Position Reporting

3. Accurate position or knowledge of position error is of great importance. Latitude and Longitude should only be used to specify position details when they have been fixed by GPS or Astronomical Observations. A full description of the method, equipment, time and datum (WGS 84/ Everest/ Other) used should be given. When position is defined by sextant angles or bearings (true or magnetic to be specified), more than two bearings should be used in order to provide a redundancy check. Distances observed by Radar should be corrected for index errors. Where position is derived after the event, from other observations and/or Dead Reckoning, the methodology of deriving the position should be included.

4. Paper Charts. A copy/tracing of largest scale chart is the best medium for forwarding details, the alterations and additions being shown thereon in red, but adequate details from the chart must be traced in black ink to enable the amendments to be fitted correctly.

5. ENCs. A Screen shot of largest scale usage band ENC with the alterations and additions being shown thereon in red. If it is to report an issue with the display of an ENC, a screen shot of the affected cell should be sent along with details of the ECDIS make and version in use at the time.

#### Depth Reporting

6. When soundings are obtained using echo sounders, the echo sounding trace should be duly annotated with date, times, position, depths, etc., and forwarded with the IH102. It is important to state whether the echo sounder is set to register depths below the surface or below the keel; in the latter case the vessel's draught should be given. Time and date should be given in order that corrections for the height of the tide may be made where necessary. The make, name and type of echo sounder should also be given.

7. For modern echo sounders that use electronic 'range gating', care should be taken that the correct range scale and appropriate gate width are in use. Older electro-mechanical echo sounders frequently record signals from echoes received back after one or more rotations of the stylus have been completed. Thus with a set whose maximum range is 500m, an echo recorded at 50m may be from depths of 50m, 550m or even 1050m. Soundings recorded beyond the set's nominal range can usually be recognised by the following:

- (a) the trace being weaker than normal for the depth recorded;
- (b) the trace passing through the transmission line;
- (c) the feathery nature of the trace.

As a check that apparently shoal soundings are not due to echoes received beyond the set's nominal range, soundings should be continued until reasonable agreement with charted soundings is reached. However, soundings received after one or more rotations of the stylus can still be useful and should be submitted if they show significant differences from the charted depths. Efforts should be made to identify and negate false echoes if any. The Mariners Handbook (NP100) and Notice 15 Special Edition of Notice to Mariners may be consulted.

8. Reports which cannot be confirmed or are lacking in certain details should not be withheld. Shortcomings should be stressed and any firm expectation of being able to check the information on a succeeding voyage should be notified.

9. Reports of **shoal soundings**, uncharted dangers and aids to navigation out of order should, at the mariner's discretion, also be made by radio to the nearest coast radio station. The draught of modern tankers in such that any uncharted depth under 30 meters or 15 fathoms may be of sufficient importance to justify a radio message.

10. Changes to Port information should be forwarded on Form IH.102A together with form IH.102. Form 102A contains the information required for Sailing Directions and should be used as an *aide memoir*. The Mariners Handbook, NP100, Chapter 8 gives general instructions. Where there is insufficient space on the forms an additional sheet should be used.

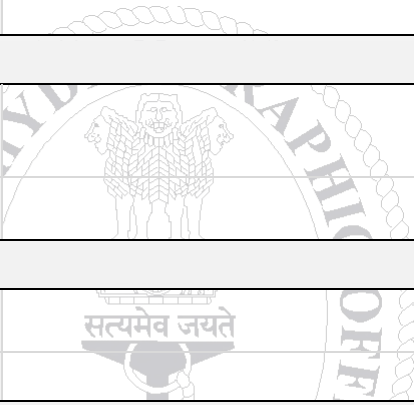

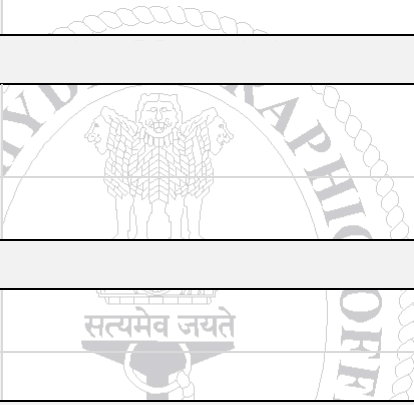
**Please Note:** - An acknowledgement will be sent by National Hydrographic Office for Hydrographic Notes, on receipt. When a Notice to Mariners is issued, the sender's ship or name is quoted as authority unless the information is also received from other authorities/ foreign Notices to Mariners. Further, communication from National Hydrographic Office to the sender of Hydrographic Notes will only be necessary to verify unusual features or abnormal values reported.



<b>HYDROGRAPHIC NOTE</b>				<b>IH.102 (Revised 2012)</b>	
For Forwarding information for Indian Charts, ENC's and Publications and reporting of ENC related issues					
Date		Ref. Number			
Name of the Ship or Sender					
Address					
Tel/FAX/E-mail address					
Observation Date		Time (UTC/IST)			
Object of Changes Observed (Tick appropriate)	<input type="checkbox"/> Bathymetry	<input type="checkbox"/> Nav. Dangers	<input type="checkbox"/> Nav. aids		
	<input type="checkbox"/> Designated Areas	<input type="checkbox"/> Others			
Geographical Position (See Instructions Overleaf)	Latitude		Longitude		
Position Method	<input type="checkbox"/> DGPS	<input type="checkbox"/> GPS	<input type="checkbox"/> Radar	<input type="checkbox"/> Others	
Datum Used	<input type="checkbox"/> WGS84	<input type="checkbox"/> Everest	<input type="checkbox"/> Others		
Charts Affected				Edition	
Latest Edition of Indian Notices to Mariners Held					
Tracing/Plot/Photograph if enclosed					
ENCs Affected					
Latest Update Disk Held					
Publication Affected				Edition	
Page No./Light No. etc					
Details:					
Limitations if any in Reporting the Changes Above					
Details of Documents/Photos attached:					
Signature of the Master/Reporter/Observer					

<b>HYDROGRAPHIC NOTE FOR PORT INFORMATION</b> (To accompany Form IH.102)		<b>IH.102A</b> (Revised 2012)	
Date		Ref. No.	
Name of the Ship or Sender			
Address			
Tel/Fax/E-mail			
<b>1. NAME OF PORT</b>			
Location	Latitude		Longitude
<b>2. GENERAL REMARKS</b>			
Principal activities and trade			
Number of ships and tonnage handled per year			
Maximum size of draught of vessel handled			
Copy of Port handbook (if available)			
<b>3. ANCHORAGES</b>			
Type / Purpose			
Minimum depth at anchorage			
Shelter afforded			
Holding ground			
Recommended pilotage to the anchorage			
<b>4. PILOTAGE</b>			
Authority for request			
Embarkation position			
Regulations			
Documents to be provided			
Recommended pilotage to approach of Harbour and Berths			
Information on VTMS			
<b>5. DIRECTIONS</b>			
Entry and Berthing Information			
Tides (Height)			
Tidal Stream Information			
Wind Speed and Direction			
Navigational Aids (Beacons / Buoys / Lights / Etc.)			
<b>6. POLLUTION CONTROL</b>			
Local regulation in force (If Any)			
<b>7. TUGS</b>			
Number available / Tug type			
Maximum HP / Bollard pull			

<b>7. TUGS (Continued)</b>	
Requesting authority	
Availability timing / Communication	
Hiring charges	
<b>8. BERTHING AND WHARVES</b>	
Type & Number of berths available	
Length	
Depth alongside	
Facilities available	
Procedure for requesting berth & hiring charges	
<b>9. CARGO HANDLING</b>	
Containers	
Lighters & Ro-Ro etc.	
<b>10. CRANES</b>	
Brief details of Max. lifting capacity, Height of boom at wharf level and Outreach	
Container handling facilities	
<b>11. BRIDGES</b>	
Vertical clearance	
<b>12. REPAIRS</b>	
Hull machinery and underwater	
Ship and Boat yards	
Docking or Slipway facilities (Size/ Dimensions of vessels handled)	
Hards and Ramps	
Divers / Diving assistance	
<b>13. SERVICES</b>	
Radio / FAX / Telephone / Internet etc.	
Medical	
Quarantine	
Consul	
Ship chandlery and Stevedores	
Compass adjustment	
Tank cleaning	
Hull painting	
Police / Ambulance / Firefighting (Fixed and Mobile facilities)	
Nav. Warning and Weather bulletin	
Garbage disposal / Waste oil disposal	
Helicopter landing facilities	

<b>14. RESCUE &amp; DISTRESS</b>	
Salvage, Lifeboat, Life guards, etc	
<b>15. SUPPLIES</b>	
Fuel (Type, Quantities & Method of delivery)	
Fresh water (Method of delivery and Rate of supply)	
Provisions	
Chart agents	
<b>16. COMMUNICATIONS</b>	
Road, Rail and Air services available	
Nearest airport or airfield	
Port Radio and Information Service (Frequencies and Operating Hours)	
<b>17. PORT AUTHORITY</b>	
Designation, Address, Telephone, E-mail Address and Website	
<b>18. SECURITY</b>	
Security of ports / International Ship and Port Facility Security (ISPS) compliance	
Custom and Immigration Regulations in force	
<b>19. SMALL CRAFT FACILITIES</b>	
Information and facilities for small craft, yachts visiting the port	
Yacht clubs, berths etc	
<b>20. SHORT LEAVE</b>	
<b>21. CLUBS RECREATION</b>	
Information Kiosk (Location)	
Foreign Exchange firms / Banks (Within / Near Port Area)	
Places of interest near port	
<b>22. VIEWS</b>	
Photographs(Duly annotated) of the approaches, leading marks, the entrance to the harbour etc.	
<b>23. ADDITIONAL DETAILS</b>	
Any other information considered to be useful for the mariners	
<b>SIGNATURE OF THE OBSERVER / REPORTER / MASTER</b>	



**FOR 24 X 7 SAR ASSISTANCE IN INDIAN SRR**

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