

INDIAN NOTICES TO MARINERS



EDITION NO. 04 DATED 16 FEB 2018

(CONTAINS NOTICES 056 TO 063)

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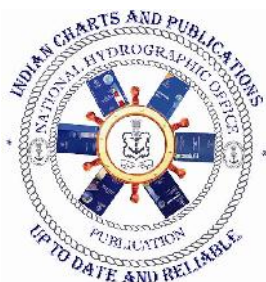
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(PUBLISHED ON NHO WEBSITE ON 1ST & 16TH OF EVERY MONTH)

FEEDBACK: msis-inho@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. SI 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_s 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 & Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
222	31-12-2017	KOLLAM (QUILON) TO KOLACHEL LIMITS 07° 59'.50N; 75° 59'.00E. 08° 53'.00N; 77° 21'.80E.	1,50,000	3	Rs. 1870.00
2042	15-12-2017	APPROACHES TO MALVAN LIMITS 15° 50'.00N; 73° 10'.50E. 16° 07'.00N; 73° 38'.00E.	50,000	3	Rs. 1870.00
4111	31-12-2017	PORT ANSON LIMITS 12° 09'.60N; 92° 36'.50E. 12° 22'.80N; 92° 45'.30E.	25,000	6	Rs. 1870.00

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>
222	15-06-2013	KOLLAM (QUILON) TO KOLACHEL	222	31-12-2017
2042	30-09-2002	APPROACHES TO MALVAN	2042	15-12-2017
4018	15-09-2008	PORT ANSON	4111	31-12-2017

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>
IN3222KK	222	KOLLAM (QUILON) TO KOLACHEL	09-02-2018
IN42042N	2042	APPROACHES TO MALVAN	08-02-2018
IN54111A	4111	PORT ANSON	09-02-2018

4. The new edition Indian Electronic Navigational Chart that is available for mariners in the market is as follows:-

<i>ENC Cell Name</i>	<i>Chart No.</i>	<i>Title</i>	<i>Issue Date</i>
IN2260KC	260	KOCHI (COCHIN) TO CAPE COMORIN	09-02-2018

VI

5. 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>
IN3222QK	222	QUILON TO KOLACHEL	17-06-2013
IN2260KC	260	KOCHI (COCHIN) TO CAPE COMORIN	05-12-2011
IN42042M	2042	APPROACHES TO MALVAN	20-11-2012
IN54018A	4018	PORT ANSON	27-02-2009

6. The forthcoming Indian Charts are as follows:-

<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
220	TANUR NAGARAM TO MANAKKODAM	1,50,000	New Chart
221	ALLEPPEY TO QUILON	1,50,000	New Chart
351 (INT 7419)	PARADIP TO PUSSUR RIVER	3,00,000	New Chart
2043	APPROACHES TO VENGURLA AND REDI	60,000	New Chart
3006 (INT 7423)	HUGLI RIVER;		New Chart
	KUKRAHATI REACH TO ROYAPUR CROSSING	37,500	
	ROYAPUR CROSSING TO CALCUTTA DOCKS	37,500	
	CALCUTTA DOCKS	17,500	
3009 (INT 7407)	KAKINADA PORT	10,000	New Chart
	KAKINADA ANCHORAGE	25,000	
3026	APPROACHES TO VADAREVU AND NIZAMPATNAM BAY	75,000	New Chart
4107	INTERVIEW ISLAND	25000	New Chart
4173	KATCHALL ISLAND (WESTERN PORTION)	25,000	New Chart

Availability of ENCs

The complete folios of Official Indian ENCs are distributed worldwide through JEPPESEN MARINE (formerly C-MAP), UKHO and Norwegian Hydrographic Service. UKHO distributes Indian ENCs 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:

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

SECTION – I

The list of charts affected by the Notices 056 to 063 contained in this edition is as follows:

CHART NUMBER	FOLIO NO.	NOTICE NO.
20	1	060
21	2	058, 059
22 (INT 752)	3	056, 059
31 (INT 756)	5	063(T)
32 (INT 754)	5	063(T)
200	2	058
211	3	059
250	2	058
255 (INT 7334)	3	059
256 (INT 7340)	3	056, 059
289	1	060, 061
291	2	058
292 (INT 7021)	2	059
293 (INT 7022)	3	056, 059
308	5	063(T)
354 (INT 7408)	5	063(T)
391	5	063(T)
404 (INT 7439)	6	062
405 (INT 7440)	6	062
2049	2	058
2061	4	063(T)
3002 (INT 7410)	5	063(T)
3012 (INT 7411)	5	063(T)
7705 (INT 705)	1	058
8004	1	061
8008	1	057

SECTION – II
PERMANENT NOTICES

***056 (04/18) INDIA – WEST COAST – Murud-Janjira Hr to Malvan – Wreck.**

Source: MRCC Mumbai.

Chart 22 (INT 752) [previous update 032/18]

Insert  P4 16° 42′.00N., 72° 23′.00E.

Chart 293 (INT 7022) [previous update 033/18]

Insert  P4 16° 42′.00N., 72° 23′.00E.

Chart 256 (INT 7340) [previous update 089/17]

Insert  P4 16° 41′.95N., 72° 23′.04E.

***057 (04/18) AFRICA – EAST COAST – Cabo Degado to Lamu Bay – Wreck.**

Source: UKHO.

Chart 8008 [previous update 285/12]

Insert  P4 03° 39′.25S., 39° 53′.06E.

058 (04/18) ARABIAN SEA – COAST OF PAKISTAN – Approaches to Karachi – Wreck.

Source: BA Notice No. 5550/17.

Chart 7705 (INT 705) [previous update 149/16]

Insert  24° 31′.70N., 66° 35′.50E.

Chart 21 [previous update 037/18]

Insert  24° 31′.70N., 66° 35′.50E.

Chart 291 [previous update 138/17]

Insert  24° 31′.70N., 66° 35′.50E.

Chart 250 [previous update 144/14]

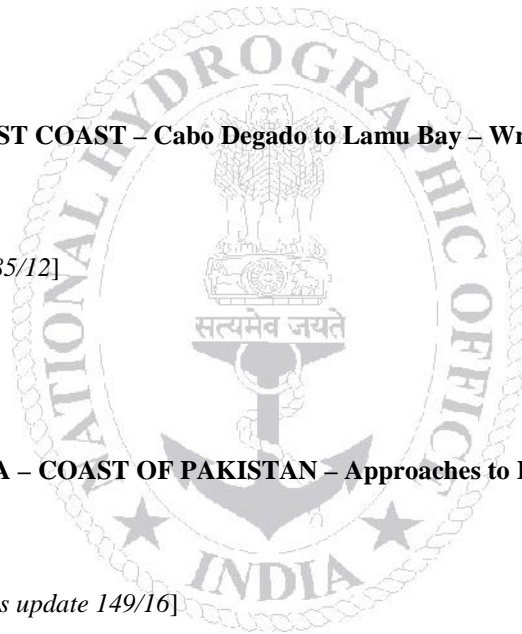
Insert  24° 31′.70N., 66° 35′.50E.

Chart 200 [previous update 094/15]

Insert  24° 31′.67N., 66° 35′.51E.


Chart 2049 [previous update 139/15]

Insert  24° 31′.68N., 66° 35′.49E.


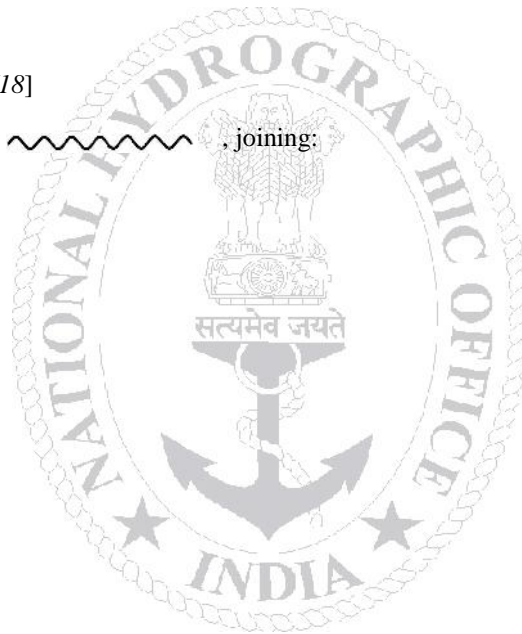


059 (04/18) INDIA – WEST COAST – Satpati to Dighi Harbour – Submarine Cable.


Source: BA Notice No. 5445/17.

Chart 21 [previous update 058/18]Insert submarine cable, , joining:

19° 07′.90N., 72° 48′.70E. (shore)
 19° 05′.90N., 72° 47′.30E.
 19° 01′.90N., 72° 38′.00E.
 19° 00′.90N., 72° 37′.60E.
 18° 58′.20N., 72° 30′.60E.
 18° 54′.20N., 72° 27′.50E.
 18° 52′.80N., 72° 23′.60E.
 18° 50′.20N., 72° 10′.70E.
 18° 37′.20N., 72° 09′.00E.
 17° 46′.90N., 72° 02′.40E.
 17° 30′.00N., 71° 54′.80E (S border).


Chart 22 [previous update 056/18]Insert submarine cable, , joining:

19° 07′.90N., 72° 48′.70E. (shore)
 19° 05′.90N., 72° 47′.30E.
 19° 01′.90N., 72° 38′.00E.
 19° 00′.90N., 72° 37′.60E.
 18° 58′.20N., 72° 30′.60E.
 18° 54′.20N., 72° 27′.50E.
 18° 52′.80N., 72° 23′.60E.
 18° 50′.20N., 72° 10′.70E.
 18° 37′.20N., 72° 09′.00E.
 17° 46′.90N., 72° 02′.40E.
 17° 17′.60N., 71° 48′.90E

Chart 292 (INT 7021) [previous update 032/18]Insert submarine cable, , joining:

19° 07′.90N., 72° 48′.70E. (shore)
 19° 05′.90N., 72° 47′.30E.
 19° 01′.90N., 72° 38′.00E.
 19° 00′.90N., 72° 37′.60E.
 18° 58′.20N., 72° 30′.60E.
 18° 54′.20N., 72° 27′.50E.
 18° 52′.80N., 72° 23′.60E.
 18° 50′.20N., 72° 10′.70E.
 18° 40′.60N., 72° 09′.30E.
 18° 10′.00N., 72° 05′.50E. (S border)

059 (04/18) INDIA – WEST COAST – Satpati to Dighi Harbour – Submarine Cable. (Continued).**Chart 293 (INT 7022)** [previous update 055/18]

Insert submarine cable, , joining:

19° 07′.90N., 72° 48′.70E. (shore)
 19° 05′.90N., 72° 47′.30E.
 19° 01′.90N., 72° 38′.00E.
 19° 00′.90N., 72° 37′.60E.
 18° 58′.20N., 72° 30′.60E.
 18° 54′.20N., 72° 27′.50E.
 18° 52′.80N., 72° 23′.60E.
 18° 50′.20N., 72° 10′.70E.
 18° 40′.60N., 72° 09′.30E.
 17° 46′.90N., 72° 02′.40E.
 17° 17′.60N., 71° 48′.90E.

Chart 255 (INT 7334) [previous update 032/18]

Insert submarine cable, , joining:


19° 07′.90N., 72° 48′.70E. (shore)
 19° 05′.90N., 72° 47′.30E.
 19° 01′.90N., 72° 38′.00E.
 19° 00′.90N., 72° 37′.60E.
 18° 58′.20N., 72° 30′.60E.
 18° 54′.20N., 72° 27′.50E.
 18° 52′.80N., 72° 23′.60E.
 18° 50′.20N., 72° 10′.70E.
 18° 15′.00N., 72° 06′.10E.(S border).

Chart 256 (INT 7340) [previous update 056/18]

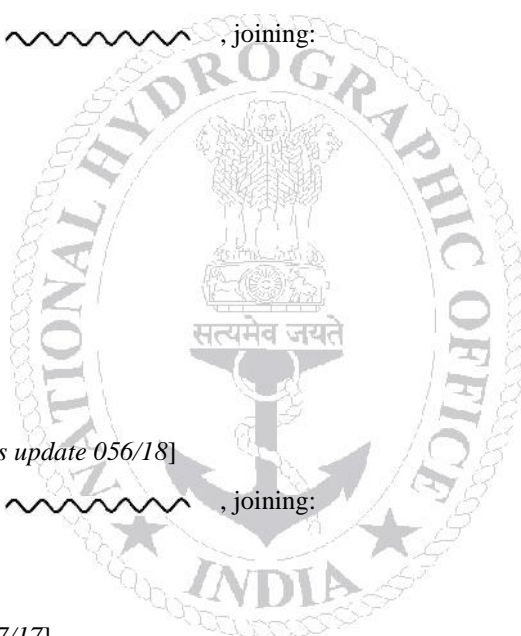
Insert submarine cable, , joining:

18° 29′.00N., 72° 07′.94E. (N border)
 17° 46′.85N., 72° 02′.44E.
 17° 23′.40N., 71° 51′.54E.(W border)

Chart 211 [previous update 127/17]

Insert submarine cable, , joining:

19° 07′.90N., 72° 48′.70E. (shore)
 19° 05′.90N., 72° 47′.30E.
 19° 01′.90N., 72° 38′.00E.
 19° 00′.90N., 72° 37′.60E.
 18° 58′.20N., 72° 30′.60E.
 18° 54′.20N., 72° 27′.50E.
 18° 52′.80N., 72° 23′.60E.
 18° 50′.20N., 72° 10′.70E.
 18° 30′.00N., 72° 08′.00E.(W border)



060 (04/18) IRAN, OMAN AND THE UNITED ARAB EMIRATES – Jask to Dubayy and Jazireh-Ye Qeshm – Lights.

Source: BA Notice No. 5502/17.

Chart 20 [previous update 052/18]

Amend Characteristics to Fl.5s18M 26° 17′.60N., 54° 30′.40E.
 Characteristics to Fl.5s12M 26° 06′.90N., 54° 26′.90E.

Chart 289 [previous update 052/18]

Insert ★ Fl.10s12M 26° 30′.10N., 54° 37′.30E.
 Amend Characteristics to Fl.5s18M 26° 17′.60N., 54° 30′.20E.
 Characteristics to Fl.5s12M 26° 07′.00N., 54° 26′.70E.
 Delete ★ Fl.10s10M 26° 30′.60N., 54° 36′.80E.

061 (04/18) IRAN, OMAN AND THE UNITED ARAB EMIRATES – Jask to Dubayy and Jazireh-Ye Qeshm – Submarine Pipelines.

Source: BA Notice No. 5502/17.

Chart 289 [previous update 060/18]

Insert Submarine pipe line —●—●—●— joining (a) 25° 55′.60N., 54° 31′.30E (shore)
 26° 07′.90N., 54° 20′.10E.
 and
 (a) above
 25° 57′.70N., 54° 31′.80E.
 25° 58′.10N., 54° 34′.40E.
 26° 23′.90N., 55° 09′.30E.
 26° 24′.80N., 55° 11′.30E.

Chart 8004 [previous update 052/18]

Insert Submarine pipe line —●—●—●— joining 26° 04′.30N., 54° 43′.00E (W border)
 26° 23′.80N., 55° 09′.24E.
 26° 24′.70N., 55° 11′.24E.

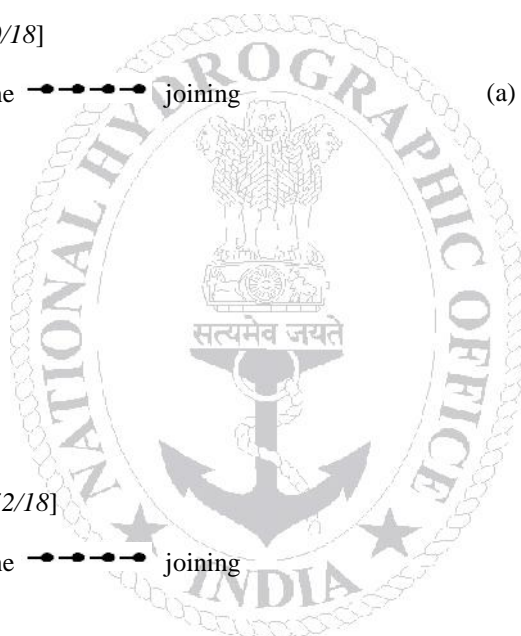


Chart No.	Previous Updates	Details
*062 (04/18)	Miscellaneous updates to charts.	
Source: NHO.		
404 (INT 7439)	<i>NC 15Apr 16</i>	Insert Chart No.4111 and Magenta limit as follows: 12° 09′.60N., 92° 36′.50E. 12° 09′.60N., 92° 45′.30E. 12° 22′.80N., 92° 45′.30E. 12° 22′.80N., 92° 36′.50E. 12° 09′.60N., 92° 36′.50E. Delete Chart No.4018 and Magenta limit as follows: 12° 10′.75N., 92° 38′.60E. 12° 10′.75N., 92° 45′.00E. 12° 19′.45N., 92° 45′.00E. 12° 19′.45N., 92° 38′.60E. 12° 10′.75N., 92° 38′.60E. Read 4115 for 4111 centered on 11° 43′.25N., 92° 25′.74E.

*062 (04/18)	Miscellaneous updates to charts. (Continued).	
405 (INT 7440)	<i>041/17</i>	Read 4115 for 4111 centered on 11° 34′·94N., 92° 25′·80E.
2061	<i>44/15</i>	Read 2598 for 2501 centered on 04° 35′·55N., 73° 46′·14E.



SECTION – III**TEMPORARY AND PRELIMINARY NOTICES**

***063 (T) (04/18) INDIA – EAST COAST – Vishakhapatnam Harbour –Dredging.**

Source: HQENC.

1. Dredging for beach nourishment in progress at area bounded by following co-ordinates :

Sl. No. Position

- (a) 17° 42′.42N., 83° 19′.25E.
- (b) 17° 42′.23N., 83° 19′.43E.
- (c) 17° 42′.07N., 83° 19′.24E.
- (d) 17° 42′.27N., 83° 19′.07E.

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

Charts affected – 31 (INT 756) – 32 (INT 754) – 391 – 354 (INT 7408) – 308 – 3002 (INT 7410) – 3012 (INT 7411).



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 are operating on trial basis:-

INTERNATIONAL NATIONAL NAVTEX FREQUENCY - 518 kHz								
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)	Balasure	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, or 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, 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 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 14 of 2008 (16th July 2008).

(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) Recommended routes have been established along the coast of Gujarat. These are to assist mariners to navigate safely in order to represent the best routes for crossing traffic and to minimize head-on encounters in vicinity of Oilfield Development Areas and regulate coastal traffic. Mariners are advised to keep 1 to 2 miles starboard of the shown routes consistent with Rules of the Road.

(c) 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-Sheva harbour 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.

List of Indian Chart Agents

<p>OSA Books and Periodicals R-246, Greater Kailash –I, New Delhi - 110 048 Tel/Fax: +91-11-26418643, 46557337, Mob: 9971093992 Email: rpani246@gmail.com</p>	<p>M/s VDO Marine Insrtuments Shanghar Building, PO Bag No – 645, 45/271, Corner of Bristow & Naval Road, Willingdon Island, Kochi – 682 003 Tel: +91 484 2667157 Fax: +91 484 2667121 Email: atmain@md4.vsnl.net.in</p>
<p>M/s Global Charts & Nav. Aids Pvt. Limited 1A, Goa Mansion, Ground Floor, 58, Dr. Sunderlal Bahl Path (Goa Street), Fort, Mumbai - 400 001 Tel: 91-22-22626318, 22626380 Fax: 91-22-22621488 Email: sales@globalcharts.in Web: www.globalcharts.com.sg</p>	<p>E.W.Liner Charts & Publication (India) 2/524, Sandeep Road, Chinna Neelangarai, Chennai - 600041 Tele: +91-44-24490668 Fax: +91-44-24491668 Mob No : +91-9003245348 Email: ewl-india@ewliner.com Web: www.ewliner.com</p>
<p>M/s C & C Marine Combine 25 Bank Street, 1st Floor, Fort Mumbai - 400 023 Tel: 91-22- 22660017/0018/0525/1937 Ext: 32 Tel: 91-22-22672143 Fax: 91-22-22670896 Email: vijay@ccmarine.in , sales@ccmarine.in</p>	<p>M/s Engineering Logistics Executive Multi Services Elems Charts, Door No: 61-4-45-A/4, Prakash Nagar, Malkapuram Visakhapatnam – 530 011 Mob: +91 9133871827 Email: sales@elemscharts.in Web: www.elemscharts.in</p>
<p>M/s SVR Chart Agencies Door No.50-81-48/4, Seetammapeta, Visakhapatnam – 530 016 Tel/ Fax: 0891-2799471, Cell: +91-9849120988, 9885797333 Email : mahalakshmitravels99@gmail.com mahalakshmitravels@hotmail.com</p>	<p>SMS Marine Private Ltd 505, Raheja Arcade, Sector 11, CBD Belapur, Navi Mumbai – 400 614 Tel: +91-22-62233326, Fax: 022-67939504 Mobile: +91 9820 238 542 Email: info@c-map.co.in , raj.chakravorty@smsmap.com Web: www.smsmaps.co.in</p>
<p>M/s JM Maritime Services 24/24C Kavarana Building, Ground Floor, Wadi Bunder, P.D. Mellow Road, Mumbai – 400 009 Tel: +91 22 23736956, Fax: 022 - 23725083 Cell: +91 9820788357 Email : jmms@mtnl.net.in , charts@mtnl.net.in</p>	<p>M/s Global Marine Infratech Pvt. Ltd. Siksha Sandan, Ground Floor, Plot No. ND7, VIP Area, IRC Village, Bhubaneswar – 751015 Tel: +91-674-2550599, Fax: +91-674-2551899 Cell:- +91-9337477799, 7077702499 Email: tusarkantha@gniindia.in Web: www.gniindia.in</p>
<p>M/s Lift o Marine Allen’s Mansion, C6, Nungi Station Road, Bata Nagar, Kolkata – 700 140 Tel: +91 9836972027 Fax: 033 24924283 Email: sankar@liftmarine.org, liftmarine77@gmail.com Web: www.liftmarine.org</p>	<p>L. R. Marine Services 301, 3rd Floor, Biryra House, 265, Perin Nariman Street, Fort, Mumbai - 400 001. Tel: +91-22-2269 1535, Fax: +91-22-66359148 Cell No: +91 8108926880/ +91 98214 60258 Email: lrcharts@gmail.com , lrmarine@live.com</p>
<p>M/s Zenith Surveys (I) Pvt. Ltd. Lakhani’s Plam View, First Floor, Office No. 889, Sector 48, Nerul, Navi Mumbai – 400 706 Tel/ Fax: +91-22- 27708011 Email: zenithsurveys703@gmail.com nyvmane@yahoo.com Web: www.zenithsurvey.com</p>	<p>IIC Technologies Limited 8-2-350/5/B-22, Road No. 3, Banjara Hills, Hyderabad – 500 034, Telangana Tel: +91 40 39144444 Fax: +91 40 39144455 Email: somnath.marthi@iictechnologies.com sanjeev.sharma@iictechnologies.com Web: www.iictechnologies.com</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 – 2012.

2. NAVAREA VIII Warnings in force as on 15 Feb 18:

2016 SERIES – 723

2017 SERIES – 305 345 394 414 486 493 529 635 685 697 710 723 762 814 829 836 866 872 876
909 944

2018 SERIES – 028 047 049 056 057 072 085 089 094 095 101 110 115 117 119 120 121 122 123
124 127 128 129 131 132 133 134 135 136

3. NAVAREA VIII Warnings issued during the period from 16 Jan 18 to 31 Jan 18 (both dates inclusive) are as tabulated below:–

098. Arabian Sea. Chart INT 71. Capsized fishing boat reported adrift 08-13.1N 068-48.3E AT 311415 UTC Jan 18.

2. Cancel this MSG 031415 UTC Feb 18.

099. India East Coast - off Kakinada. Charts 32 355 INT 71. SV Fugro Equator progressing geophysical survey in area bounded by 16-35.29N 082-30.1E, 16-35.28N 082-32.38E, 16-35.24N 082-37.53E, 16-35.23N 082-38.58E, 16-33.99N 082-38.57E, 16-29.6N 082-38.53E, 16-29.66N 082-29.97E, 16-31.7N 082-29.95E, 16-32.8N 082-31.78E, 16-34.06N 082-30.93E. Wide berth requested.

2. Cancel this MSG 111830 UTC Feb 18.

100. India West Coast. Charts 251 254 255 292 INT 71. Rig list:-

ABAN ICE	19-39.99N 071-35.74E
ABAN III	18-16.38N 072-22.82E
ABAN IV	18-43.45N 072-20.32E
ACTINIA	19-19.57N 071-01.61E
CE THORNTON	18-29.86N 072-15.00E
DEEP DRILLER 4	21-03.93N 072-31.62E
DEEP SEA FORTUNE	19-14.25N 072-06.45E
DEEP SEA FOSSIL	19-18.12N 071-30.38E
DYNAMIC VISION	19-11.05N 072-11.21E
FG MCCLINTOCK	18-45.65N 072-19.22E NEW
GALVESTON KEY	20-37.78N 072-04.07E
GREAT DRILL CHAAYA	19-15.20N 072-02.16E
GREAT DRILL CHARU	19-38.24N 071-00.92E
GREAT DRILL CHETNA	19-12.91N 071-01.06E
GREAT DRILL CHITRA	19-42.70N 072-04.25E
JINDAL STAR	18-36.13N 071-01.59E NEW
JINDAL SUPREME	20-16.12N 071-55.14E
NOBLE ED HOLT	20-11.53N 071-52.25E
PARAGON L786	18-34.48N 072-16.77E
PARAGON M 1161	19-31.16N 071-19.85E
PARAMESWARA	20-42.28N 072-12.81E
SAGAR GAURAV	22-49.18N 068-29.11E
SAGAR JYOTI	19-21.09N 071-14.64E
SAGAR KIRAN	18-36.17N 072-01.65E
SAGAR SHAKTI	19-15.49N 072-08.23E
SAGAR UDAY	19-08.42N 070-53.87E
TRIDENT II	19-17.81N 070-56.18E
TRIDENT XII	19-14.45N 070-58.88E NEW
VALIANT DRILLER	19-39.80N 071-17.59E
VIRTUE-I	20-05.60N 071-48.57E
VIVEKANANDA1	19-15.64N 072-06.59E
VIVEKANANDA2	19-29.98N 071-16.28E

2. Wide berth requested.

3. Cancel NAVAREA VIII MSG 033.

101. India West Coast - off Mumbai. Charts 21 253 292 INT 71. RV Samudra Ratnakar will progress survey from 02 Feb 18 in area bounded by 19-50.92N 068-49.88E, 19-50.92N 069-56.43E, 18-59.98N 070-25.98E, 18-59.68N 069-17.32E. Wide berth requested.

2. Cancel this MSG 281830 UTC Feb 18.

102. Cancel NAVAREA VIII MSG 432/16 644 827/17 074/18 and this MSG. INTM 048/18 045/18 Section VII (NTM EDN 03/18) refers.

103. India East Coast - Bay of Bengal. Charts 32 INT 71. SLFV Sudu Duwa-03 reported adrift 12-16N 084-33E at

103. Continued. 010915 UTC Feb 18. 2. Cancel this MSG 040915 UTC Feb 18.
104. Andaman Sea – off Hut Bay. Charts 41 406 472 4010 INT 71. INS Investigator progressing hydrographic survey in area bounded within 10-38.17N to 10-49.7N and 092-38.25E to 092-38.7E. 2. Wide berth of 3 NM from ship and survey boats requested. 3. Cancel this MSG 061830 Feb 18.
105. Cancel NAVAREA VIII MSG 082 and this MSG.
106. India East Coast – off Balasore. Charts 31 351 352 INT 71. Experimental flight trial scheduled from ITR on:- (A) 06 FEB AND 08 FEB 18 FROM 0230 - 0630 UTC IN DANGER ZONE BOUNDED BY 21-22.21N 086-55.72E, 21-08.72N 086-53.64E, 19-24.32N 086-57.84E, 14-55.48N 087-49.41E, 15-20.04N 089-27.01E, 19-27.32N 089-14.37E, 21-21.78N 087-10.85E, 21-22.69N 086-56.35E. (B) 07 FEB 18 FROM 0330 - 0730 UTC IN DANGER ZONE BOUNDED BY 21-22.21N 086-55.72E, 21-08.72N 086-53.64E, 18-49.96N 088-24.68E, 19-27.32N 089-14.37E, 21-21.78N 087-10.85E, 21-22.69N 086-56.35E. 2. Cancel this MSG 080730 UTC Feb 18.
107. India West Coast – Okha. Charts 21 203 2068 INT 71. Firing by Naval Coast Battery scheduled on 08 Feb 18 from 0430-0730 UTC. 2. Danger sector extending upto 12 NM within bearing 300 to 020 from 22-28.04N 069-04.99E. 3. Cancel this MSG 080830 UTC Feb 18.
108. NAVAREA VIII warnings in force as on 02 Feb 18:- 2016 SERIES - 723 2017 SERIES – 305 345 394 414 486 493 529 635 685 697 710 723 762 814 829 836 866 872 876 909 937 944 946 2018 SERIES - 019 022 026 028 029 040 047 049 056 057 062 067 070 072 080 081 085 089 092 094 095 096 098 099 100 101 103 104 106 107 (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 www.hydrobharat.gov.in . 2. Cancel this MSG 091000 UTC Feb 18.
109. NE Indian Ocean. Charts 41 471 INT 71. Submerged blue container reported 05-17.4N 093-40.2E at 040706 UTC Feb 18. 2. Cancel this MSG 071000 UTC Feb 18.
110. Andaman Sea – off Barren I. Charts 41 473 INT 71. Firing practice scheduled daily on 05, 06, 15, 16, 21, 22, 26, 27 Feb 18 from 0430-0930 UTC in danger area bounded within 11-50N to 12-00N and 093-40E to 094-10E. 2. Cancel NAVAREA MSG 096 and this MSG 271030 UTC Feb 18.
111. Cancel NAVAREA VIII MSG 029 and this MSG. INTM 049/18 refers.
112. India East Coast- Vishakhapatnam. Charts 31 308 3002 INT 71. Firing by Naval Coast Battery scheduled on 07 Feb 18 from 0001 - 0130 UTC in danger sector extending upto 17 NM between bearing 070 and 130 from 17-42N 083-18E. 2. Cancel this MSG 070230 UTC Feb 18.
113. India West Coast. Charts 251 254 255 292 INT 71. Rig list:- ABAN ICE 19-39.99N 071-35.74E ABAN III 18-16.38N 072-22.82E ABAN IV 18-43.45N 072-20.32E ACTINIA 19-19.57N 071-01.61E CE THORNTON 18-29.86N 072-15.00E DEEP DRILLER 4 21-03.93N 072-31.62E DEEP SEA FORTUNE 19-14.25N 072-06.45E DEEP SEA FOSSIL 19-18.12N 071-30.38E DYNAMIC VISION 19-11.05N 072-11.21E FG MCCLINTOCK 18-45.65N 072-19.22E GALVESTON KEY 20-37.78N 072-04.07E GREAT DRILL CHAAYA 19-15.20N 072-02.16E GREAT DRILL CHARU 19-38.24N 071-00.92E GREAT DRILL CHETNA 19-12.91N 071-01.06E GREAT DRILL CHITRA 19-42.70N 072-04.25E JINDAL STAR 18-36.13N 071-01.60E NEW JINDAL SUPREME 20-16.12N 071-55.14E NOBLE ED HOLT 20-11.53N 071-52.25E PARAGON L786 18-34.48N 072-16.77E PARAGON M 1161 19-36.62N 071-20.67E NEW PARAMESWARA 20-42.28N 072-12.81E SAGAR GAURAV 22-26.27N 068-34.43E NEW SAGAR JYOTI 19-21.09N 071-14.64E SAGAR KIRAN 19-07.35N 072-06.45E NEW SAGAR SHAKTI 19-15.49N 072-08.23E

113. Continued.	
SAGAR UDAY	19-08.42N 070-53.87E
TRIDENT II	19-17.81N 070-56.18E
TRIDENT XII	19-14.80N 070-59.00E NEW
VALIANT DRILLER	19-39.80N 071-17.59E
VIRTUE-I	19-15.20N 072-02.17E NEW
VIVEKANANDA1	19-15.64N 072-06.59E
VIVEKANANDA2	19-29.98N 071-16.28E
2.	Wide berth requested.
3.	Cancel NAVAREA VIII MSG 100.
114. Cancel NAVAREA VIII MSG 106 and this MSG.	
115. India West Coast - Mormugao Port.	Charts 2020 2078 INT 71. Buoys 4 unlit and 10D removed for wreck removal.
116. Lakshadweep Sea - off Kavaratti.	Charts 268 273 INT 71. Suhelipar Lt (10-02N 072-17E) unlit.
117. India West Coast - off Jakhau.	Charts 21 251 291 INT 71. Fishing Boat Virat reported sunk in vicinity of 22-55.89N 068-04.03E.
118. NE Indian Ocean.	Chart INT 71. Abandoned barge GMS MT 6 reported adrift 04-31N 092-07E at 070530 UTC Feb 18.
2.	Cancel this MSG 110530 UTC Feb 18.
119. India West Coast – off Mormugao.	Charts 22 213 214 215 256 257 293 INT 71. Firing by Naval Ships scheduled from 150430 - 161430 UTC Feb 18 in danger area bounded by 14-57.5N 070-54.5E, 16-09N 072-44.5E, 15-17N 073-21E, 14-42.3N 073-15E, 13-37.5N 073-45E, 12-53N 071-40E.
2.	Cancel this MSG 161530 UTC Feb 18.
120. India West Coast – off Mumbai.	Charts 21 255 292 INT 71. SV Polar Marquis progressing survey from 10 Feb 18 in area bounded by 18-55N 071-33E, 19-12N 071-33E, 19-12N 072-01E, 19-01.2N 072-01E, 19-01.2N 072-19.5E, 18-54.5N 072-19.5E. Vessel towing 12 streamers of 6 KM.
2.	Wide berth from area requested.
3.	Cancel NAVAREA MSG 080 and this MSG 101830 UTC Mar 18.
121. NAVAREA VIII warnings in force as on 09 Feb 18:-	
	2016 SERIES - 723
	2017 SERIES – 305 345 394 414 486 493 529 635 685 697 710 723 762 814 829 836 866
	872 876 909 937 944
	2018 SERIES - 022 028 047 049 056 057 072 085 089 094 095 099 101 110 113 115 116
	117 118 119 120
(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 www.hydrobharat.gov.in
2.	Cancel this MSG 161000 UTC Feb 18.
122. India West Coast - off Mumbai.	Charts 21 211 255 INT 71. Cable ship UMM Al Anber will progress cable repair from 12 Feb 18 along 19-01.76N 072-31.35E, 19-02.31N 072-35.54E, 19-02.93N 072-36.9E, 19-01.22N 072-31.48E, 19-01.85N 072-35.78E, 19-02.51N 072-37.21E.
2.	Cancel this MSG 241830 Feb 18.
123. India West Coast. Charts 251 254 255 292 INT 71. Rig list:-	
ABAN ICE	19-39.99N 071-35.74E
ABAN III	18-16.38N 072-22.82E
ABAN IV	18-43.45N 072-20.32E
ACTINIA	19-19.57N 071-01.61E
CE THORNTON	18-29.86N 072-15.00E
DEEP DRILLER 4	21-03.93N 072-31.62E
DEEP SEA FORTUNE	19-14.25N 072-06.45E
DEEP SEA FOSSIL	19-18.12N 071-30.38E
DYNAMIC VISION	19-11.05N 072-11.21E
FG MCCLINTOCK	18-45.65N 072-19.22E
GALVESTON KEY	20-37.78N 072-04.07E
GREAT DRILL CHAAYA	19-15.20N 072-02.16E
GREAT DRILL CHARU	19-38.24N 071-00.92E
GREAT DRILL CHETNA	19-12.91N 071-01.06E
GREAT DRILL CHITRA	19-22.58N 071-00.85E NEW
JINDAL STAR	18-36.13N 071-01.60E
JINDAL SUPREME	20-16.12N 071-55.14E
NOBLE ED HOLT	20-11.53N 071-52.25E
PARAGON L786	18-34.48N 072-16.77E
PARAGON M 1161	19-36.62N 071-20.67E
PARAMESWARA	20-13.10N 071-49.00E NEW
SAGAR GAURAV	22-26.27N 068-34.43E
SAGAR JYOTI	19-21.09N 071-14.64E
SAGAR KIRAN	19-07.35N 072-06.45E

123. Continued.	
SAGAR SHAKTI	19-15.49N 072-08.23E
SAGAR UDAY	19-08.42N 070-53.87E
TRIDENT II	19-17.81N 070-56.18E
TRIDENT XII	19-14.80N 070-59.00E
VALIANT DRILLER	19-39.80N 071-17.59E
VIRTUE-I	19-15.20N 072-02.17E
VIVEKANANDA1	19-15.64N 072-06.59E
VIVEKANANDA2	19-29.98N 071-16.28E
2.	Wide berth requested.
3.	Cancel NAVAREA VIII MSG 113.
124. Central Arabian Sea.	Charts 7705 INT 71. Partially sunk Dhow reported adrift 14-06.02N 068-46.03E at 111230 UTC Feb 18.
2.	Cancel this MSG 161000 UTC Feb 18.
125. Centre Bay of Bengal.	Charts 32 INT 71. SLFV Omayya reported adrift 12-28N 083-58E at 111230 UTC Feb 18.
2.	Cancel this MSG 141230 UTC Feb 18.
126. Bay of Bengal and NE Indian Ocean.	Charts 31 308 354 INT 71. Experimental Flight Trial scheduled from ITR on 15,16,17 Feb 18 from 0630-1030 UTC in danger areas bounded by (A) 17-44.53N 083-29.87E, 15-01.92N 082-55.01E, 03-26.95N 086-23.63E, 04-55.56N 090-36.42E, 16-05.59N 085-55.93E, 17-48.20N 083-40.29E (B) 06-42.27S 088-43.91E, 10-41.44S 089-33.12E, 08-08.42S 096-53.65E, 04-30.43S 095-03.75E.
2.	Cancel this MSG 171130 UTC Feb 18.
127. India East Coast – off Gopalpur.	Charts 31 352 353 3005 INT 71. Army Air Defence firing and BPTA flight scheduled daily from 18-24 and 26-28 Feb 18 from 0130-1130 and 1230-1430 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.
2.	Cancel this MSG 281530 UTC Feb 18.
128. India East Coast - off Vadarevu Port.	Charts 31 32 355 INT 71. RV Samudra Kaustubh progressing seismic survey in area bounded by 15-07.46N 080-04.91E, 15-06.98N 080-25.2E, 15-30.48N 080-45.34E, 15-31.12N 080-33.68E, 15-39.43N 080-34.15E, 15-39.43N 080-17.69E, 15-25.36N 080-14.98E, 15-20.57N 080-08.26E, 15-07.94N 080-05.67E. Wide berth requested.
2.	Cancel this MSG 051830 UTC Mar 18.
129. Centre Bay of Bengal.	Charts 32 INT 71. SLFV Omayya reported adrift 11-57N 082-58E at 130425 UTC Feb 18.
2.	Cancel NAVAREA MSG 125 and this msg 160425 UTC Feb 18.
130. Cancel NAVAREA VIII MSG 937/17 022 116 and this MSG.	
131. Andaman Sea – off Car Nicobar I.	Charts 41 407 472 INT 71. INS Investigator progressing hydrographic survey in area bounded within 09-14N to 09-15N and 092-46E to 092-47E.
2.	Wide berth from ship and survey boats requested.
3.	Cancel this MSG 211830 Feb 18.
132. India West Coast – off Netrani I.	Charts 22 216 257 293 2072 INT 71. Firing by Naval Ships scheduled on 17 Feb 18 from 0030 - 0830 UTC in danger area bounded within 13-56.2N to 14-07.2N and 074-13.6E to 074-25.07E.
2.	Cancel this MSG 170930 UTC Feb 18.
133. Bay of Bengal and NE Indian Ocean.	Charts 31 308 354 INT 71. Experimental Flight Trial scheduled from ITR on 16,17 Feb 18 from 0630-1030 UTC in danger areas bounded by (A) 17-44.53N 083-29.87E, 15-01.92N 082-55.01E, 03-26.95N 086-23.63E, 04-55.56N 090-36.42E, 16-05.59N 085-55.93E, 17-48.20N 083-40.29E (B) 06-42.27S 088-43.91E, 10-41.44S 089-33.12E, 08-08.42S 096-53.65E, 04-30.43S 095-03.75E.
2.	Cancel NAVAREA MSG 126 and this MSG 171130 UTC Feb 18.
134. India West Coast – off Tapti ODA.	Charts 21 210 254 292 INT 71. Firing by CG Aircraft scheduled on 18 & 19 Feb 18 from 0330 - 1130 UTC in danger area bounded by 20-13N 071-59E, 20-13N 072-08E, 20-06N 072-07E, 20-06N 071-58E.
2.	Cancel this MSG 191230 UTC Feb 18.
135. India West Coast - Central Lakshadweep Sea.	Charts 22 259 INT 71. Unmanned capsized fishing boat reported adrift 09-48.3N 074-48.2E at 141030 UTC Feb 18.
2.	Cancel this MSG 171030 UTC Feb 18.
136. India East Coast – off Chennai.	Charts 32 INT 71. Firing by CG Aircraft scheduled daily from 19 - 28 Feb 18 from 0130 - 1130 UTC in danger area bounded within 12-00N to 12-20N and 082-20E to 082-45E.
2.	Cancel this MSG 281230 UTC Feb 18.

SECTION – VI
CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

West Coast of India Pilot (INP-1)

Chapter – 4 (Page 212)

(Source: NHO, Dehradun)

Article 5.136, Insert new Para after Para 8.

9 Clear of a dangerous wreck (PA) lays 4 cables ENE of Sacrifice Rock.

Chapter - 9

(Source: Reliance Jamnagar Marine Terminal)

Page 364, Article 9.120, Delete Para 6 and replace by,

6 Maximum size and draught of vessels handled. 120,000 DWT, draught 14.5 m and LOA 252 m for jetty. 400,000 DWT, draught 22.5 m and LOA 345 m for crude SPM. 170,000 DWT, draught 18.5 m and LOA 300 m for product SPM.

Page 364, Article 9.120, Para 7, Delete Sub Para

'For Other Tankers' and replace by,

For Other Tankers:

- (a) 22° 32'.55 N, 69° 44'.80 E
- (b) 22° 32'.00 N, 69° 45'.75 E
- (c) 22° 30'.50 N, 69° 44'.80 E
- (d) 22° 30'.50 N, 69° 45'.75 E

Page 365, Article 9.122, Delete Para 3 and replace by,

3 Five alongside berths (A1, A, B, C and D) are located between Goos and Munde reefs and designed to accommodate vessels of LOA 105-252 m, Max. beam 45 m and 59850-120,000 DWT. Berth 'D', the deepest has a depth alongside of 14.5 m. Berth 'A' handles LPG and chemicals only. Max. permissible displacement for LPG tankers at Berth 'A'- 39900 DWT.

Bay of Bengal Pilot (INP-2)

Chapter -6 (Page 211)

(Source: BA Notice 03/18)

Insert new Article after Article 6.20,

Yadana Gasfield

6.20a

I The Yadana Gasfield (15°07'.49 N 94° 46'.76 E), lies 50 miles SSE of Purian Point (15 ° 50'.15 N 94° 23'.75 E) and is enclosed by a Permanent Marine Exclusion Zone within which unauthorised entry is prohibited. Unauthorised navigation, anchoring, fishing and trawling are prohibited within 5 miles of the exclusion zone.

Restricted area

6.20b

I A 5 mile wide restricted area, in which anchoring and trawling are prohibited, surrounds a gas pipeline running ESE for 170 miles from a position on the SE corner of Yadana Gasfield Marine Exclusion Zone, to a position (14 °30'.64 N 97 °47'.25 E) N of the Heinze Islands.

SECTION – VII
CORRECTIONS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. (mts)	Range (miles)	Structure & Height (mts)	Remarks
D7024	WEST COAST. TOLIARA (TULEAR) -Pointe Anosy. Ldg Lts 115°.Front	23 21.36 S 43 38.24 E	Q W	12	5	White round concrete tower	Intens 3° each side of leading line
	*	*	*	*	*	*	*
D7024.1	- - - Rear. 200m from front	23 21.43 S 43 38.39 E	QW	19	5	White square tower, grey lantern 18	
	*	*	*	*	*	*	*
D7114	MATHURIN BAY - Port Mathurin..Dir Lt 165°	19 40.76 S 63 25.34 E	Dir WRG	..	20	..	FG160°- 161° (1°). VQ G161°-163° (2°). FI W 1.5s163°-167° (4°) fl 0.5. VQ R167°-169° (2°). FR169°-170° (1°).
	--	..	<i>By day</i>	..	5		*
D7388.6	UMM AL HOUL MARSA - Inner Harbour	25 03.81 N 51 35.41 E	Dir WRG 2s	F G266.75°- 268.25° (1.5°). Iso G268.25°-268.75° (0.5°). F W 268.75°-269.25° (0.5°) Iso R269.25°-269.75° (0.5°). F R269.75°-271.75° (2°).
	*	*	*	*	*	*	*
D7388.61	- Inner Breakwater	25 03.91 N 51 35.52 E	FI(2)G 5s				
	*						
D7388.62	- Inner Breakwater	25 03.86 N 51 35.66 E	FI(2)G 5s				
	*						
D7388.63	- Inner Breakwater	25 03.77 N 51 36.21 E	FI R 5s				
	*						
D7388.64	- Inner Breakwater	25 03.89 N 51 36.18 E	FI G 5s				
	*						
D7388.65	- S Breakwater	25 03.77 N 51 37.31 E	FI(3)R 10s				
	*						
D7388.66	- N Breakwater	25 03.93 N 51 37.56 E	FI(3)G 10s				
	*						
D7680.3	- Eastward	27 24.15 N 52 38.34 E	FI(2)W 8s	12	12		
	*						
D7751.4	- Pakistan Deep Water Container Port. Ldg Lts 040°.Front	24 47.72 N 67 00.06 E	Oc G 5s	13	..	Grey beacon	
	*						
D7751.6	- Pakistan Deep Water Container Port. Ldg Lts 040°.Rear	24 47.96 N 67 00.28 E	Oc G 5s	31	..	Grey beacon	
	*						
F0758.1	- Minicoy North	08 17.75 N 73 03.94 E	FI(2)W 10s	22	10	White Square masonry tower, black bands 22	fl 1. ec2, fl 1, ec 6
	*						*

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2014

(Last correction: Edition No. 03 dated 01 Feb 2018)

NIL

INP 31(2), 2014

(Last correction: Edition No. 23 dated 01 Dec 2017)

NIL

INP 31(5), 2017

(Last correction: Edition No. 02 dated 16 Jan 2018)

NIL

INP 31(6), 2012

(Last correction: Edition No. 14 dated 16 Jul 2017)

PAGE 117, PAKISTAN, KARACHI, Pilots and Port, PROCEDURE, section(7):
Delete entry and replace by;

(7) **Pilot boards** in position 24°43'41N 66°55'78E (in the vicinity of the Fairway K Lt buoy).

(Source: BA 04/18)

(04/18)

SECTION – X

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.

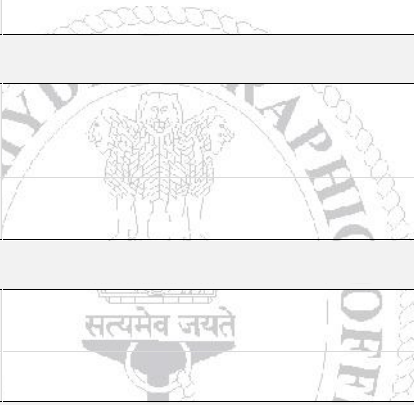
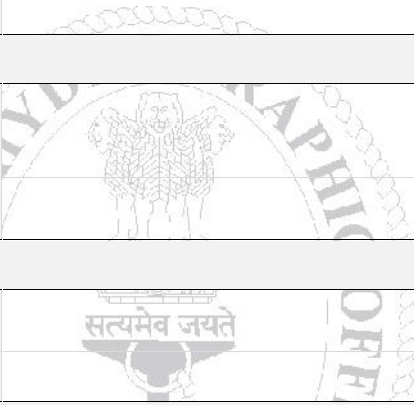
Please Note: - An acknowledgement will be sent by National Hydrographic Office for Hydrographic Notes, on receipt. When a Notice to Mariners is issued, the sender's ship or name is quoted as authority unless the information is also received from other authorities/ foreign Notices to Mariners. Further,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



HYDROGRAPHIC NOTE				IH.102 (Revised 2012)	
For Forwarding information for Indian Charts, ENCs 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					

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

7. TUGS (Continued)	
Requesting authority	
Availability timing / Communication	
Hiring charges	
8. BERTHING AND WHARVES	
Type & Number of berths available	
Length	
Depth alongside	
Facilities available	
Procedure for requesting berth & hiring charges	
9. CARGO HANDLING	
Containers	
Lighters & Ro-Ro etc.	
10. CRANES	
Brief details of Max. lifting capacity, Height of boom at wharf level and Outreach	
Container handling facilities	
11. BRIDGES	
Vertical clearance	
12. REPAIRS	
Hull machinery and underwater	
Ship and Boat yards	
Docking or Slipway facilities (Size/ Dimensions of vessels handled)	
Hards and Ramps	
Divers / Diving assistance	
13. SERVICES	
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	

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



FOR 24 X 7 SAR ASSISTANCE IN INDIAN SRR

Email: indsar@vsnl.net

NATION WIDE SAR TELE: 1554 (LAND LINE)

INMARSAT C (IOR) 441907210 CODE: 43 (TOLL FREE)

AFTN: VABBYXYC