



INDIAN NOTICES TO MARINERS



EDITION NO. 04 DATED 16 FEB 2011

(CONTAINS NOTICES 066 TO 082)

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

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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 short comings 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**



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 INT 1 (5020).
- (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 most 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, ENCS AND PUBLICATION

1. The new edition 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>
2073	30-11-2010	APPROACHES TO KUNDAPURA (COONDAPOOR) <u>Limits</u> 13° 29'.80N; 74° 28'.70E. 13° 54'.00N; 74° 42'.00E.	37,500	3	Rs. 1527.00
2077	15-12-2010	HARNAI ANCHORAGE <u>Limits</u> 17° 45'.60N; 72° 57'.00E. 17° 53'.30N; 73° 07'.79E.	30,000	3	Rs. 1527.00
		PAVAS ANCHORAGE <u>Limits</u> 16° 50'.00N; 73° 10'.00E. 16° 56'.70N; 73° 19'.00E.	25,000		

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>
2073	31-05-2008	APPROACHES TO KUNDAPURA (COONDAPOOR)	2073	30-11-2010
2077	30-11-2006	HARNAI ANCHORAGE; PAVAS ANCHORAGE	2077	15-12-2010

3. The forthcoming Indian Charts are as follows:-

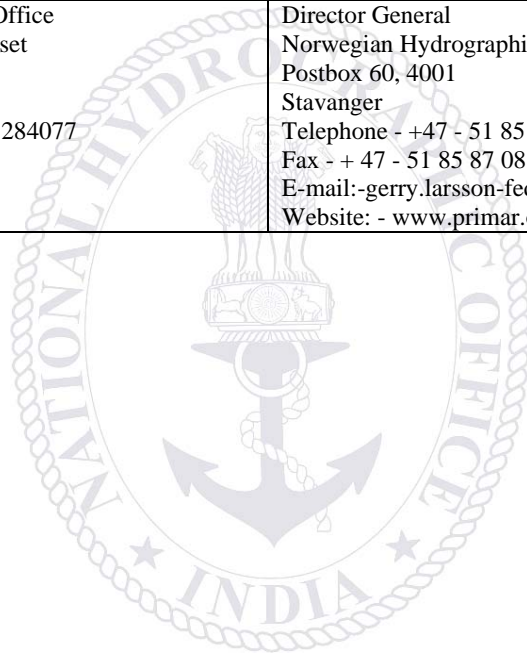
<i>Chart No</i>	<i>Title</i>	<i>Scale</i>	<i>Remarks</i>
261	EIGHT DEGREE CHANNEL TO CAPE COMORIN	3,00,000	New Edition
2004 (INT 7359)	KOCHI HARBOUR	25,000	New Edition
2022 (INT 7345)	APPROACHES TO MORMUGAO	60,000	New Edition
2031	OKHA HARBOUR	37,500	New Edition
2036	MURUD JANJIRA HARBOUR	25,000	New Edition
2038	RAJAPUR BAY AND VIJAYDURG HARBOUR	25,000	New Edition
3002 (INT 7410)	APPROACHES TO VISHAKHAPATNAM	60,000	New Edition
3501	KANKESANTURAI HARBOUR	12,500	New Chart
4042	CHOWRA ISLAND	15,000	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:

<p>The Chief Hydrographer to the Government of India National Hydrographic Office 107-A, Rajpur Road Dehradun- 248001 Uttarakhand, India Tele: +91-135- 2747365, Fax: +91-135-2748373 Email: inho-navy@nic.in msis-inho-navy@nic.in sales-inho-navy@nic.in Website: www.hydrobharat.nic.in</p>	<p>Director, JEPPESEN MARINE Jeppesen India Pvt. Ltd. 505, Raheja Arcade, Sector-11, CBD Belapur, Navi Mumbai 400614 India Ph: 91-22- 65103668 Fax: 91- 22- 67939504 Email: info@c-map.co.in Website: www.c-map.co.in</p>
<p>United Kingdom Hydrographic Office Admiralty Way, Taunton, Somerset TA1 2DN, UK Tel: +44 (0) 1823 337900 Fax: +44 (0) 1823 330561, 1823 284077 Telex: 46274 Email: helpdesk@ukho.gov.uk Web site: www.ukho.gov.uk</p>	<p>Director General Norwegian Hydrographic Service, Postbox 60, 4001 Stavanger Telephone - +47 - 51 85 87 00 Fax - + 47 - 51 85 87 08 E-mail:-gerry.larsson-fedde@statkart.no Website: - www.primar.org</p>



SECTION – I

The list of charts affected by the Notices 066 to 082 contained in this edition are as follows:

CHART NUMBER	FOLIO NO.	NOTICE NO.
20	1	072,073,074,077
21	2	068,069,081(T)
22(INT752)	3	070
202	2	068
203(INT7319)	2	067
208	2	081(T)
216	3	066
217	3	066
251(INT7318)	2	068
252(INT7325)	2	068
254(INT7331)	2	081(T)
256(INT7340)	3	070
271	2	068
288	1	074
289	1	072,073,074,077
291	2	068
292(INT7021)	2	081(T)
293(INT7022)	3	070
433	7	078
473(INT7031)	6	079
2004(INT7359)	3	071,082(P)
2021	2	067,080(P)
2044	2	081(T)
2045(INT7340)	3	071,082(P)
2068	2	067
2079	2	067,080(P)
2089	2	076
8004	1	075

SECTION – II

PERMANENT NOTICES

***066/(04/11) Miscellaneous updates to charts**

Source: NHO Dehradun		
Chart	Previous Updates	Details
216	<i>053/10</i>	Insert Chart No. 2073 and Magenta limit as follows: North: 13° 54'·00N., East: - South: 13° 29'·80N., West: 74° 28'·70E
		Delete Chart No. 2073 and Magenta limit as follows: North: 13° 50'·00N., East: - South: 13° 30'·00N., West: 74° 28'·70E
217	<i>258/10</i>	Insert Chart No. 2073 and Magenta limit as follows: North: - East: 74° 42'·00E South: 13° 29'·80N., West: 74° 28'·70E
		Delete Chart No. 2073 and Magenta limit as follows: North: - East: 74° 42'·00E South: 13° 30'·00N., West: 74° 28'·70E

***067/(04/11) INDIA – WEST COAST – Approaches to Mundra Port – Mundra Port – SPM. Restricted Area. Submarine Pipeline.**

Source: Mundra Port

(HJ/1131/20)

Chart 203(INT7319) [previous update 150/10]




Insert  *Mo(U)15s10M* (a) 22° 40'·88N., 69° 37'·48E.
 *HME L SPM -1*
 Submarine pipeline, , joining: (a) above
 22° 42'·28N., 69° 39'·43E.
 22° 42'·71N., 69° 40'·01E.
 22° 43'·38N., 69° 40'·26E.
 22° 45'·08N., 69° 40'·93E. (LFP)

Chart 2079 [previous update 277/10]







Insert  *Mo(U)15s10M* (a) 22° 40'·92N., 69° 37'·47E.
 *HME L SPM -1*
 circular limit of restricted area, radius 1000 meters,
 centered on: (a) above
 Submarine pipeline, , joining: (a) above
 22° 42'·32N., 69° 39'·42E.
 22° 42'·75N., 69° 40'·00E.
 22° 43'·42N., 69° 40'·25E.
 22° 45'·12N., 69° 40'·92E. (LFP)

Chart 2021 [previous update 031/11]

Submarine pipeline, , joining: 22° 42'·02N., 69° 39'·00E. (W Border)
 22° 42'·32N., 69° 39'·42E.
 22° 42'·75N., 69° 40'·00E.
 22° 43'·42N., 69° 40'·25E.
 22° 45'·12N., 69° 40'·92E. (LFP)

***067/(04/11) INDIA – WEST COAST – Approaches to Mundra Port – Mundra Port – SPM. Restricted Area. Submarine Pipeline. (Continued)**

Chart 2068 [previous update 278/10]

Insert	 <i>Mo(U)15s10M</i> <i>HMELE SPM -1</i>	(a)	22° 40′.88N., 69° 37′.48E.
	circular limit of restricted area, radius 1000 meters, centered on:		(a) above
	Submarine pipeline,  , joining:		(a) above
			22° 42′.28N., 69° 39′.43E.
			22° 42′.71N., 69° 40′.01E.
			22° 43′.38N., 69° 40′.26E.
			22° 45′.08N., 69° 40′.93E. (LFP)

***068/(04/11) INDIA – WEST COAST – Dwarka North – Westwards – Wreck.**

Source: NAVAREA VIII 761/10

(HJ/1030/76)

Wreck of MSV Safina Tul Ashraf

Chart 21 [previous update 047/11]

Insert			22° 26′.16N., 68° 36′.51E.
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Chart 291 [previous update 045/11]

Insert			22° 26′.16N., 68° 36′.51E.
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Chart 251(INT7318) [previous update 045/11]

Insert			22° 26′.16N., 68° 36′.51E.
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Chart 252(INT7325) [previous update 172/10]

Insert			22° 26′.16N., 68° 36′.51E.
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Chart 202 [previous update 045/11]

Insert			22° 26′.16N., 68° 36′.51E.
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Chart 271 [previous update 045/11]

Insert			22° 26′.20N., 68° 36′.50E.
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***069/(04/11) INDIA – WEST COAST – Gulf of Khambat – Off Mumbai – Wreck. Buoys.**

Source: INM 494/04, 154/06 & 622/08

(HJ/1030/88)

Chart 21 [previous update 068/11]

#Insert			18° 36′.00N., 71° 02′.50E.
---------	---	--	----------------------------

Delete	 <i>ODAS SW2</i>  <i>F1(2)5s</i>		18° 35′.00N., 71° 04′.00E.
--------	--	--	----------------------------

			20° 59′.60N., 72° 03′.60E.
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***070/(04/11) INDIA – WEST COAST – Vijaydurg – Westwards – Wreck.**

Source: INS Hansa

(HJ/1030/68)

Chart 22(INT752) [previous update 047/11]

Insert			16° 24′.60N., 71° 53′.26E.
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Chart 293(INT7022) [previous update 047/11]

Insert			16° 24′.60N., 71° 53′.26E.
--------	---	--	----------------------------

Chart 256(INT7340) [previous update 055/11]

Insert			16° 24′.60N., 71° 53′.26E.
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***071/(04/11) INDIA – WEST COAST – Port of Kochi (Cochin) – Buoy.**



Source: Harbour Master, Cochin Port Trust.

(HJ/930/93)

Chart 2004 (INT 7359) [previous update 174/10]Delete  FL.R.3s 09° 58′.34N., 76° 15′.14E.
V4**Chart 2045 (INT 7360)** [previous update 180/10]Delete  FL.R.3s 09° 58′.43N., 76° 15′.09E.
V4**072/(04/11) UNITED ARAB EMIRATES – Sir Abu-Nu’ayr Southwards – Danger line. Works.**

Source: BA Notice – 279/11

(HJ/1132/45)

Chart 20 [previous update 291/10] WGS84 DatumInsert  (a) 24° 59′.35N., 54° 12′.70E.
Legend, Works in Progress(2010), close W of: (a) above**Chart 289** [previous update 037/11] WGS84 DatumInsert  (a) 24° 59′.35N., 54° 12′.70E.
Legend, Works in Progress(2010), close W of: (a) above**073/(04/11) UNITED ARAB EMIRATES – Sharjah (Ash Shariqah) – Az Zorah Oilfield Westwards – Wreck.**

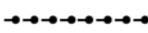
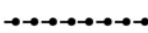
Source: BA Notice – 449/11

(HJ/1132/54)

Chart 20 [previous update 072/11] COMPATIBLE WITH WGS84 DATUMInsert  25° 36′.9N., 55° 01′.8E.**Chart 289** [previous update 072/11] COMPATIBLE WITH WGS84 DATUMInsert  25° 36′.9N., 55° 01′.8E.**074/(04/11) QATAR – Ra’s Laffan North-eastwards – Submarine Pipeline. Legend.**

Source: BA Notice – 450/11

(HJ/1132/45)

Chart 20 [previous update 073/11] COMPATIBLE WITH WGS84 DATUMInsert Submarine pipeline, , joining: 26° 09′.1N., 52° 04′.4E.(□)
(a) 26° 04′.1N., 51° 58′.4E.
(b) 26° 00′.3N., 51° 42′.2E.
26° 00′.3N., 51° 33′.3E.
25° 56′.8N., 51° 31′.2E.(shore)
legend, Gas (see Note), along (a) – (b) above**Chart 288** [previous update 037/11] WGS84 DATUMInsert Submarine pipeline, , joining: 26° 09′.1N., 52° 04′.4E.(□)
(a) 26° 04′.1N., 51° 58′.4E.
(b) 26° 00′.3N., 51° 42′.2E.
26° 00′.4N., 51° 33′.3E.
25° 56′.7N., 51° 31′.2E.(shore)
legend, Gas (see Note), along (a) – (b) above**Chart 289** [previous update 073/11] COMPATIBLE WITH WGS84 DATUMInsert Submarine pipeline, , joining: 26° 09′.1N., 52° 04′.4E.(□)
(a) 26° 04′.1N., 51° 58′.4E.
(b) 26° 00′.3N., 51° 42′.2E.
26° 00′.4N., 51° 33′.3E.
25° 56′.7N., 51° 31′.2E.(shore)
legend, Gas (see Note), along (a) – (b) above

075/(04/11) IRAN – Jazireh-ye Qeshm Westwards. Light.

Source: BA Notice – 451/11

(HJ/1132/64)

Chart 8004 [previous update 062/11] WGS84 DATUM

Delete ★ Fl(2)10s8M 26° 39′.4N., 55° 16′.0E.

076/(04/11) OMAN – Wudam West-north-westwards – As Suwayq – Lights. Jetties.

Source: BA Notice –495/11

(HJ/1132/32)

Chart 2089 [previous update 214/10]

Insert ★ LFl.G.6s (a) 23° 51′.40N., 57° 26′.60E.
 ★ LFl.R.6s (b) 23° 51′.24N., 57° 26′.56E.
 jetty, single firm line, joining: (a) above
 23° 51′.36N., 57° 26′.35E.
 23° 51′.15N., 57° 26′.12E.(shore)
 and
 (b) above
 23° 51′.00N., 57° 26′.56E.(shore)

077/(04/11) UNITED ARAB EMIRATES – Khawr al Bazam Westwards – Marawah, to Ra's al Aysh – Submarine cable.

Source: BA Notice – 595/11

(HJ/1132/46)

Chart 20 [previous update 074/11] WGS84 DATUM

Insert Submarine cable, ~~~~~, joining: 24° 16′.00N., 53° 15′.60E.(shore)
 24° 15′.24N., 53° 14′.79E.
 24° 15′.91N., 53° 09′.47E.
 24° 12′.90N., 53° 06′.26E.
 24° 11′.70N., 53° 06′.46E.
 24° 11′.32N., 53° 08′.12E.
 24° 10′.24N., 53° 08′.36E.(shore)

Chart 289 [previous update 074/11] WGS84 DATUM

Insert Submarine cable, ~~~~~, joining: 24° 16′.00N., 53° 15′.60E.(shore)
 24° 15′.24N., 53° 14′.79E.
 24° 15′.91N., 53° 09′.47E.
 24° 12′.90N., 53° 06′.26E.
 24° 11′.70N., 53° 06′.46E.
 24° 11′.32N., 53° 08′.12E.
 24° 10′.24N., 53° 08′.36E.(shore)

078/(04/11) THAILAND – West Coast – Ao Krabi Southwards – Ko Phiphi Don to Ko Pu – Submarine power cable.

Source: BA Notice – 740/11

(HJ/928/71)

Chart 433 [previous update 076/08] WGS84 DATUM

Insert Submarine power cable, ~~~~~ } ~~~~~, joining: 7° 45′.85N., 98° 46′.39E. (shore)
 7° 49′.27N., 98° 57′.62E. (shore)

***079/(04/11) Miscellaneous Correction**

Source: NHO Dehradun

Refer INM 060/(03/11), Chart 473(INT 7031), Substitute (Ariel Ledge)

for position 10° 49′.50N., 92° 36′.30E, read 10° 54′.70N., 92° 36′.30E.

SECTION – III
TEMPORARY AND PRELIMINARY NOTICES

***080(P)/(04/11) INDIA – WEST COAST – Approaches to Mundra Port – Mundra Port – Construction Work. Dredging Work. Anchorage Area. Buoys. Pilot Boarding Place. Light.**

Source: Mundra Port.

(HJ/1131/20)

1. West terminal Breakwater is under construction joining following coordinates.
22° 46′.81N., 69° 33′.76E.
22° 45′.21N., 69° 32′.99E.
22° 45′.14N., 69° 33′.03E.
22° 44′.79N., 69° 33′.86E.
22° 44′.66N., 69° 34′.01E.
2. South terminal Breakwater is under construction joining following coordinates.
22° 44′.93N., 69° 40′.08E.
22° 44′.18N., 69° 39′.80E.
22° 43′.74N., 69° 41′.00E.
22° 43′.78N., 69° 41′.37E.
22° 43′.84N., 69° 41′.82E.
22° 43′.92N., 69° 42′.29E.
22° 43′.96N., 69° 42′.29E.
- *3. West terminal Breakwater light characteristics Fl(2)R10s5M installed in position 22° 44′.67N., 69° 34′.00E.
4. Construction/dredging work is in progress with in the west & south terminal breakwater boundaries.
5. West Basin buoys are laid in following positions:

Buoy No.	Position	Characteristics	Colour
W1	22° 42′.68N., 69° 33′.45E.	<i>Iso G 4s</i>	Green
W2	22° 42′.83N., 69° 33′.15E.	<i>Iso R 4s</i>	Red
W3	22° 43′.23N., 69° 33′.65E.	<i>Fl G</i>	Green
W4	22° 43′.30N., 69° 33′.47E.	<i>Fl R</i>	Red
W5	22° 43′.93N., 69° 33′.98E.	<i>Oc(2) G 8s</i>	Green
W6	22° 43′.98N., 69° 33′.80E.	<i>Oc(2) R 8s</i>	Red
W7	22° 44′.62N., 69° 34′.33E.	<i>Fl G</i>	Green
W8	22° 44′.75N., 69° 34′.13E.	<i>Fl R</i>	Red
W9	22° 44′.87N., 69° 34′.47E.	<i>Oc(2)G 8s</i>	Green
W11	22° 45′.17N., 69° 34′.37E.	<i>Mo (U)G 10s</i>	Green
6. Area bounded by following coordinates is marked as West Basin Anchorage:
22° 39′.90N., 69° 32′.40E.
22° 39′.00N., 69° 32′.40E.
22° 37′.90N., 69° 36′.05E.
22° 39′.90N., 69° 36′.05E.
7. Pilot Boarding Place for West Basin is marked at 22° 41′.00N., 69° 33′.50E.
8. Mariners are advised to exercise caution and contact local port authorities for more information.

* Indicates new entry.

Charts Affected – 2021 – 2079.

Former INM 267(P)/10 is cancelled.

***081(T)/(04/11) INDIA – WEST COAST – Mithivirdi south-eastwards – Buoy.**

Source: NIO Goa.

(HJ/1130/17)

1. A orange colour, dia 90cm wave rider buoy Fl(5).Y.20s, deployed in position 21°27'.33N., 072°15'.33E for a duration of one year w.e.f. 04 Feb 11.
2. All vessels are advised not to navigate in the vicinity and to keep clear of the buoy at least 500m.
3. Cancel this Notice on 03 Feb 12.

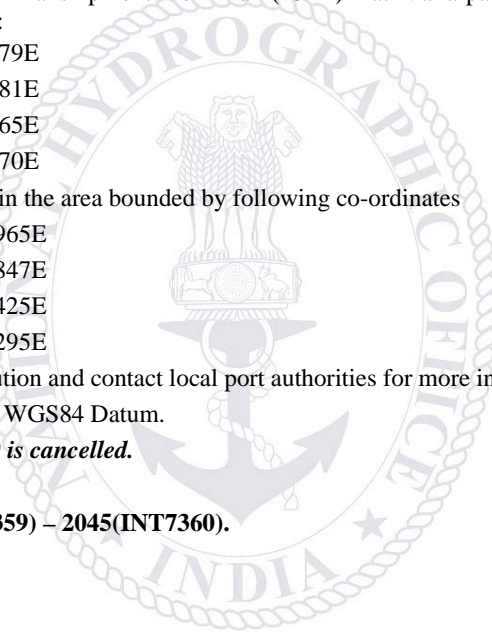
Charts affected – 21 – 292(INT7021) – 254(INT7331) – 208 – 2044.***082(P)/(04/11) INDIA – WEST COAST – Port of Kochi – Kochi Harbour – Dredging.**

Source: Kochi Port.

(HJ/930/93)

1. Dredging is in progress in outer approach channel of Kochi harbour for deepening and widening of outer channel.
2. Buoys will be shifted and may vary from charted position to coincide with the extension of channel.
- *3. International Container Transhipment Terminal (ICTT) at Vallarpadam in Cochin Port constructed between following co-ordinates:
 09°58'.594N., 076°14'.979E
 09°58'.728N., 076°15'.281E
 09°58'.746N., 076°15'.265E
 09°58'.615N., 076°14'.970E
- *4. Dredging is in progress in the area bounded by following co-ordinates
 09°58'.588N., 076°14'.965E
 09°58'.373N., 076°14'.847E
 09°58'.505N., 076°15'.425E
 09°58'.734N., 076°15'.295E
5. Mariners to exercise caution and contact local port authorities for more information.
6. All positions referred to WGS84 Datum.
7. ***Former INM 284(T)/10 is cancelled.***

* Indicates new entries.

Charts Affected – 2004(INT7359) – 2045(INT7360).

SECTION – IV
MARINE INFORMATION

MUMBAI NAVTEX COAST STATION

MSI Promulgation by Mumbai NAVTEX Coast Station position 19° 05'.00 N, 072° 50'.00 E is closed for maintenance.

(Source - NAVAREA VIII Warning 305/08)

Distribution of Indian Paper Charts and Nautical Publications

Indian Nautical Charts and Publications from National Hydrographic Office, India are now available globally. Details of overseas chart agents are as follows:-

<p>*JEPPESEN MARINE Jeppesen India Pvt. Ltd. 505, Raheja Arcade, Sector-11, CBD Belapur, Navi Mumbai 400 614 Ph: 91 22 65103668 Fax: 91 22 67939504 Email: info@c-map.co.in</p>	<p>*JEPPESEN MARINE Jeppesen Norway AS P.O. 212, N-4379, Egersund, Norway Ph: 0047 51 464700 Fax: 0047 51 464701 Email: info@c-map.no Site: www.c-map.no</p>	<p>C-Map US Commercial 133 Falmouth Road, Building 2, Postal Code: 02649, Mashpee, MA, America Ph: +1 (508) 477 8010 Fax: +1 (508) 539 4381 Email: info@c-map.com</p>
<p>C-Map (UK) Ltd. Systems House Delta Business Park Salterns Lane, Fareham, PO16 0QS, United Kingdom, Ph: +44 (0) 1329 517777 Fax: +44 (0) 1329 517778 Email: info@c-map.co.uk</p>	<p>Mari-Sys Pte Ltd. 20 Ayer Rajah Crescent, 08-21, SE 139964, Republic of Singapore Ph: +65 6776 1898 Email: info@mari-sys.com</p>	<p>Bogerd Martin NV, Oude Leeuwenrui 37 2000 Antwerp, Belgium Ph: +32 (3) 2134170 Fax: +32 (3) 2326167 Email: sales@martin.be Site: www.martin.be</p>
<p>Bogerd Martin Tianjin(China Branch) 2-B101 FTZ Hi-Tech Development Centre 131 Haibin 9 Road 300461 Tianjin China Ph: +86 22 257 62 721 Fax: +86 22 257 62 722 Email: charts-tj@martincn.com</p>	<p>C-Map Holland Paleiskade100 PO Box 7 1781 AR Den Helder, Holland Ph: +31 223 616 700 E Mail: CorMallie cor@chartworx.nl</p>	
<p>* Indicates C Map Norway AS has changed name to Jeppesen Marine Norway AS. Indicates C Map India has changed name to Jeppesen India.</p>		

List of Indian Chart Agents.

M/s OSA Books and Periodicals, R-246, Greater Kailash -I New Delhi - 110 048 Tel/Fax: 011-46557337, Mob: 9910891631, 9810705062 Email: ravipani@indiatimes.com	M/s Sterling Book House, 181, Dr. DN Road Fort, Mumbai – 400 001 Tel: 91-22-22612521, Fax: 91-22-22623551 Email : sbh@vsnl.com
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@bogerdmartin.com, sarmarin@vsnl.com	M/s EW Stevens & Co. (Pvt.) Ltd. Mackinnon Mackenzie Bldg, Ground Floor, 4 Shoorji Vallabhdas Marg, Mumbai-400 038 Tel: 91-22-22618567, Fax: 022-22619146 Email: ewsbom@bom3.vsnl.net.in
M/s C & C Marine Combine 25 Bank Street, 1 st Floor, Mumbai - 400 023 Tel: 91-22- 22660525, 22661937, 22672143 Fax: 91-22-22670896 Email: ccmarine@bom5.vsnl.net.in	M/s Maritime Charts and Publications New No. 221, Old No. 107, Unit No. F9, Hotel Chennai Palace, Angappa Naicken Street Chennai – 600001, Telefax : 044-42165008 Email: maritimeindia@airtelmail.in
M/s SVR Chart Agencies Door No.50-81-35/6, Santhipuram, Seetammapeta, Visakhapatnam-530 016 Tele Fax: 0891-2799471, Cell: 9440132553, 9849120988, 9885308200 Email : mahalakshmitravels@hotmail.com	M/s Jeppesen India Pvt. Ltd 505, Raheja Arcade, Sector 11 CBD, Belapur Navi Mumbai – 400 614 Tel: +91 22 5610 3668, Fax: +91 22 55939504 Mob: +9322238542 Email: raj_chakravorty@yahoo.com, info@c-map.co.in Website: www.c-map.co.in
M/s JM Maritime Services 24/24C Kavarana Building Ground Floor, Wadi Bunder P.D. Mellow Road, Mumbai – 400 009 Tel: +91 22 23736956/6907, Fax: 022 - 23725083 Cell: +91 9820788357 Email : jmms@mtnl.net.in, charts@ mtnl.net.in	M/S Inspire Shipping, 46a, Ashok Chamber, Broach Street, Masjid Bunder (E), Mumbai – 400 009 Fax : 022 – 27713146 Email : info@inspireship.com, pramod@inspireship.com
M/S Lift-O-Marine 20 Bhut Ghat Street (Near No. 3 N. S. Dock) Kolkata – 700043 Tel: +91-33-2439 5731/ 2482, Cell: +91-9331936587, 9830056801 Fax: +91-33-2439 2102, Email: liftomarine@yahoo.co.in	M/s Global Marine Infratech Pvt. Ltd. Siksha Sandan, Ground Floor, ND-7, VIP Area, IRC Village Bhubaneswar – 751015 Tel: +91-674-2550599, Fax: +91-674-2551899 Email: ashiskantha@gmiindia.in; Web: www.gmiindia.in

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 – 2008.
2. Navarea VIII Warnings Inforce as on 15 Feb 11.
2010 SERIES - 380 470 508 520 528 534 629 630 648 746 747 761 771 776 779 804
2011 SERIES – 017 042 048 050 071 072 078 079 081 084 086 087 088 096 097 098
 101 103 105 107 109 110 111 113 114 117 118 120 121 123 124 125 126 127 128
3. NAVAREA VIII Warnings issued during the period from 01 Feb to 15 Feb 11 (both dates inclusive) are as tabulated below:-

085. India West Coast- Off Mormugao. Charts 21 22 256 293 INT 705 INT 706. Firing exercise by naval ships as follows:			
<u>Date and Time</u>	<u>Area</u>		
07 Feb 2011	15-10.0N 071-33.0E		
Between 0100 UTC and 0830 UTC	15-48.0N 071-33.0E		
	15-48.0N 072-17.0E		
	15-10.0N 072-17.0E		
Safe flying height 8000 metres.			
<u>Date and Time</u>	<u>Area</u>		
07 Feb to 08 Feb 2011	17-35.0N 071-27.0E		
Between 2330 UTC and 1300 UTC	17-10.0N 072-46.0E		
	16-05.0N 073-02.0E		
	15-33.0N 071-55.0E		
	15-44.0N 071-25.0E		
	16-50.0N 070-51.0E		
Safe flying height 8500 metres			
<u>Date and Time</u>	<u>Area</u>		
08 Feb 2011	15-23.0N 071-00.0E		
Between 0730 UTC and 1730 UTC	15-23.0N 072-31.0E		
	14-15.0N 072-31.0E		
	14-15.0N 071-00.0E		
Safe flying height 22000 metres.			
2. Cancel this message on 09 Feb 2011.			
086. India West Coast-Gulf of Khambhat. Charts 21 292 254 INT 71 INT 705. Wreck removal of Platinum II is in progress in position 21-06.64N 072-09.11E			
2. Mariners to exercise caution			
087. India West Coast- Off Mithivirdi. Charts 21 292 254 INT 71 INT 705. National Institute of Oceanography will carry out wave, tide and current measurements using directional waverider buoy. Deep orange colour buoy W1 of 0.90 metre dia floating on surface and moored with anchor in position 21-27.33N 0072-15.33E from 04 Feb 2011 for a period of 12 months. Buoy will emit yellow flash (every 20 seconds) when visibility reduces.			
2. Mariners to exercise caution			
3. Cancel this message on 05 Feb 2012			
088. India West Coast- Off Mithivirdi. Charts 21 292 254 INT 71 INT 705. National Institute of Oceanography will carry out wave, tide and current measurements using aandraa current and tide meter. Instruments will be in mooring with 0.20 metre coloured surface floats without flash lights from 04 Feb 2011 for a period of one month.			
Location	Position	Depth(in metre)	
C2, T2	21-25.00N	072-13.91E	15
C3, T3	21-29.55N	072-16.80E	15
C1, T1	21-27.33N	072-15.33E	15
C4	21-27.53N	072-15.00E	10
C5	21-27.10N	072-15.75E	20
2. Mariners to exercise caution.			
3. Cancel this message on 05 Mar 2011.			

<p>089. Cancel NAVAREA VIII message 085 of 2011. India West Coast-Off Mormugao. Charts 21 22 256 293 INT 705 INT 706. Firing exercise by naval ships as follows On 07 Feb 2011 between 0100 UTC and 0830 UTC in area bounded by</p> <table> <tr> <td>(a) 15-10.0N 071-33.0E</td> <td>(b) 15-48.0N 071-33.0E</td> </tr> <tr> <td>(c) 15-48.0N 072-17.0E</td> <td>(d) 15-10.0N 072-17.0E</td> </tr> </table> <p>Safe flying height 8000 metres And from 07 Feb to 08 Feb 2011 between 2330 UTC and 1300 UTC in area bounded by</p> <table> <tr> <td>(a) 17-35.0N 071-27.0E</td> <td>(b) 17-10.0N 072-46.0E</td> </tr> <tr> <td>(c) 16-05.0N 073-02.0E</td> <td>(d) 15-33.0N 071-55.0E</td> </tr> <tr> <td>(e) 15-44.0N 071-25.0E</td> <td>(f) 16-50.0N 070-51.0E</td> </tr> </table> <p>Safe flying height 8500 metres. 2. Cancel this message on 09 Feb 2011.</p>	(a) 15-10.0N 071-33.0E	(b) 15-48.0N 071-33.0E	(c) 15-48.0N 072-17.0E	(d) 15-10.0N 072-17.0E	(a) 17-35.0N 071-27.0E	(b) 17-10.0N 072-46.0E	(c) 16-05.0N 073-02.0E	(d) 15-33.0N 071-55.0E	(e) 15-44.0N 071-25.0E	(f) 16-50.0N 070-51.0E
(a) 15-10.0N 071-33.0E	(b) 15-48.0N 071-33.0E									
(c) 15-48.0N 072-17.0E	(d) 15-10.0N 072-17.0E									
(a) 17-35.0N 071-27.0E	(b) 17-10.0N 072-46.0E									
(c) 16-05.0N 073-02.0E	(d) 15-33.0N 071-55.0E									
(e) 15-44.0N 071-25.0E	(f) 16-50.0N 070-51.0E									
<p>090. India West Coast- Off Mormugao. Charts 21 22 256 293 INT 705 INT 706. Firing exercise by naval ships on 08 Feb 2011 between 0730 UTC and 1730 UTC in area bounded by</p> <table> <tr> <td>(a) 15-23.0N 071-00.0E</td> <td>(b) 15-23.0N 072-31.0E</td> </tr> <tr> <td>(c) 14-15.0N 072-31.0E</td> <td>(d) 14-15.0N 071-00.0E</td> </tr> </table> <p>2. Safe flying height 22000 metres 3. Cancel this message on 09 Feb 2011</p>	(a) 15-23.0N 071-00.0E	(b) 15-23.0N 072-31.0E	(c) 14-15.0N 072-31.0E	(d) 14-15.0N 071-00.0E						
(a) 15-23.0N 071-00.0E	(b) 15-23.0N 072-31.0E									
(c) 14-15.0N 072-31.0E	(d) 14-15.0N 071-00.0E									
<p>091. Self Cancelling. Arabean Sea - Western and Southern Part. Charts 22 INT 71 INT 72 INT 73 INT 705. Piracy activities in following positions</p> <table> <tr> <td>(a) 10-56.0N 056-17.0E</td> <td>Pirate Action Group</td> </tr> <tr> <td>(b) 06-44.0N 069-24.0E</td> <td>M/V Attacked</td> </tr> </table> <p>2. Vessels are advised to keep 100 miles clear of this position and to exercise extreme caution</p>	(a) 10-56.0N 056-17.0E	Pirate Action Group	(b) 06-44.0N 069-24.0E	M/V Attacked						
(a) 10-56.0N 056-17.0E	Pirate Action Group									
(b) 06-44.0N 069-24.0E	M/V Attacked									
<p>092. India East Coast – Pondicherry. Charts 32 33 357 INT 73 INT706. Pondicherry DGPS in position 11-54.99N 079-49.85E off air 2. Mariners to exercise caution</p>										
<p>093. India West Coast - Trivandrum. Charts 22 32 222 260 INT 706. RH 200 rocket launch from Thumba equatorial rocket launching station 08-31.98N 076-52.05E between 1230 UTC to 1430 UTC on 08 Feb 2011 2. Danger zones</p> <table> <tr> <td>(a) Sector of radius 05 NM from launcher between azimuth angles 190 degree and 300 degree</td> </tr> <tr> <td>(b) Sector of radii 45 NM and 75 NM from the launcher between azimuth angles 220 degree and 260 degree</td> </tr> </table> <p>3. Cancel this message on 09 Feb 2011</p>	(a) Sector of radius 05 NM from launcher between azimuth angles 190 degree and 300 degree	(b) Sector of radii 45 NM and 75 NM from the launcher between azimuth angles 220 degree and 260 degree								
(a) Sector of radius 05 NM from launcher between azimuth angles 190 degree and 300 degree										
(b) Sector of radii 45 NM and 75 NM from the launcher between azimuth angles 220 degree and 260 degree										
<p>094. Self Cancelling. Cancel NAVAREA VIII message 057 of 2011 issued by INM 03 of 2011.</p>										
<p>095. Cancel NAVAREA VIII message 082 of 2011. India East Coast- Off Visakhapatnam. Charts 31 32 354 INT 706. Experimental rocket launch scheduled between 0430 UTC and 0930 UTC from 09 Feb to 11 Feb 2011. Danger zone bounded by following points</p> <table> <tr> <td>(a) 17-39.26N 083-38.35E</td> <td>(b) 17-38.68N 083-40.68E</td> </tr> <tr> <td>(c) 17-29.56N 084-04.90E</td> <td>(d) 15-13.75N 086-17.43E</td> </tr> <tr> <td>(e) 12-25.05N 088-19.73E</td> <td>(f) 11-35.51N 087-14.10E</td> </tr> <tr> <td>(g) 11-04.73N 085-57.25E</td> <td>(h) 14-12.31N 084-30.81E</td> </tr> <tr> <td>(j) 17-12.16N 083-33.61E</td> <td>(k) 17-37.06N 083-37.75E</td> </tr> </table> <p>2. No Over Flight And Shipping Activity Permissible Within The Above Mentioned Danger Zone. 3. Cancel This Message On 12 Feb 2011</p>	(a) 17-39.26N 083-38.35E	(b) 17-38.68N 083-40.68E	(c) 17-29.56N 084-04.90E	(d) 15-13.75N 086-17.43E	(e) 12-25.05N 088-19.73E	(f) 11-35.51N 087-14.10E	(g) 11-04.73N 085-57.25E	(h) 14-12.31N 084-30.81E	(j) 17-12.16N 083-33.61E	(k) 17-37.06N 083-37.75E
(a) 17-39.26N 083-38.35E	(b) 17-38.68N 083-40.68E									
(c) 17-29.56N 084-04.90E	(d) 15-13.75N 086-17.43E									
(e) 12-25.05N 088-19.73E	(f) 11-35.51N 087-14.10E									
(g) 11-04.73N 085-57.25E	(h) 14-12.31N 084-30.81E									
(j) 17-12.16N 083-33.61E	(k) 17-37.06N 083-37.75E									
<p>096. India East Coast- Bay of Bengal. Charts 32 INT 71 INT 706. Survey vessel Bos Arctic will carry out 3 D seismic survey operations from 04 Feb to 22 Mar 2011 in area bounded by</p> <table> <tr> <td>(a) 17-32.00N 087-06.00E</td> <td>(b) 17-32.00N 087-32.00E</td> </tr> <tr> <td>(c) 16-50.00N 087-32.00E</td> <td>(d) 16-50.00N 087-06.00E</td> </tr> </table> <p>2. The vessel will be towing 06 streamer cables of length 8100 metres. Each end is marked with yellow coloured tail buoy with flashing white light 3. All vessels operating in area to exercise caution and give wide berth at least 07 NM around the vessel 4. Cancel this message on 23 Mar 2011</p>	(a) 17-32.00N 087-06.00E	(b) 17-32.00N 087-32.00E	(c) 16-50.00N 087-32.00E	(d) 16-50.00N 087-06.00E						
(a) 17-32.00N 087-06.00E	(b) 17-32.00N 087-32.00E									
(c) 16-50.00N 087-32.00E	(d) 16-50.00N 087-06.00E									

097. Cancel NAVAREA VIII messages 010 and 044 of 2011. India West Coast - Arabian Sea. Charts 21 22 211 291 292 293 INT 705 INT 706. Present positions of oil rigs / drill ships are as follows
ABAN ICE 21-31.61N 068-27.25E
ABAN III 19-15.18N 072-02.16E
ABAN V 19-16.16N 071-23.43E
ABAN VII 18-26.80N 072-32.50E
BADRINATH 19-11.46N 070-39.56E
CE THROTON 19-01.03N 071-14.45E
DEEP SEA FORTUNE 19-25.65N 071-16.23E
DEEP SEA FOSSIL 22-38.63N 068-23.10E
DISCOVERY 1 19-11.98N 072-11.00E
FG Mc CLINTOK 18-36.20N 072-13.98E
GREATDRILL CHETNA 20-32.30N 072-08.88E
JT ANGEL 18-47.20N 072-19.51E
KEDARNATH 20-48.20N 072-38.68E
NOBLE CHARLIE YESTER 18-38.78N 072-14.93E
NOBLE ED HOLT 18-43.05N 072-19.13E
NOBLE GEORGE McLEOD 19-37.80N 071-17.86E
NOBLE KENNETH DELANEY 19-24.10N 071-23.06E
RON TAPMEYER 18-29.85N 072-15.00E
SAGAR GAURAV 21-05.22N 069-15.13E
SAGAR JYOTI 22-37.26N 068-27.15E
SAGAR KIRAN 19-25.00N 072-13.83E
SAGAR LAXMI 18-36.15N 071-01.63E
SAGAR PRAGATI 19-37.35N 071-21.66E
SAGAR SAMRAT 19-32.13N 071-18.81E
SAGAR SHAKTI 19-35.36N 071-16.76E
SAGAR UDAY 19-33.13N 071-16.35E
TRIDENT - 12 18-44.50N 072-19.61E
TRIDENT - 2 18-39.50N 072-12.85E
VIRTUE 1 20-20.16N 072-01.35E
2. WIDE BERTH REQUESTED.
098. Cancel NAVAREA VIII messages 008, 045, 065 and 073 of 2011. India East Coast - Bay of Bengal. Charts 31 32 354 355 INT 706. Present positions of oil rigs / drill ships are as follows
DISCOVERER SEVEN SEAS 08-41.05N 079-03.85E
DHIRUBHAI DEEPWATER KG-1 14-49.81N 082-02.20E
DEEP SEA MATDRILL 09-23.51N 078-59.45E
ENERGY DRILLER 16-15.23N 082-10.76E
HERCULES 258 16-38.56N 082-24.30E
HERCULES 260 16-21.61N 082-02.18E
SAGAR BHUSHAN 16-31.45N 082-22.65E
SAGAR VIJAY 16-32.63N 082-23.95E
DHIRUBHAI DEEPWATER KG-2 14-47.06N 080-39.48E
DISCOVERER INDIA 18-45.45N 085-49.26E
DEEP DRILLER-1 16-40.30N 082-28.20E
PLATINUM EXPLORER 17-55.93N 084-38.01E
ABAN II 16-25.43N 082-08.31E
2. Wide berth requested.
099. Cancel NAVAREA VIII message 083 of 2011. India East Coast- Bay of Bengal. Charts 31 INT 71 INT 706. Survey vessel Viking II will carry out 3 D seismic survey till 08 Feb 2011 in area bounded by
(a) 15-25N 085-25E (b) 15-55N 085-25E
(c) 15-55N 085-08E (d) 15-25N 085-08E
2. The vessel will be towing 10 marine seismic cables of length 8100 metres. Each end of the cable is marked with yellow coloured tail buoy with flashing light
3. All vessels operating in area to exercise caution and give wide berth at least 06 NM around the vessel
4. Cancel this message on 09 Feb 2011
100. Self Cancelling. NAVAREA VIII-warning inforce
2010 Series - 380 470 508 520 528 534 581 629 630 648 746 747 761 771 776 779 804 817
2011 Series - 017 042 048 050 051 058 060 064 066 067 068 071 072 076 078 079 081 084
086 087 088 089 090 091 092 093 094 095 096 097 098 099

<p>101. Cancel NAVAREA VIII message 060 of 2011. India West Coast – Off Jakhau. Charts 21 291 INT 71 INT 705. Survey vessel MT Ferrari and MT Time Trader will carry out seabed hazard survey till 30 Apr 2011 in area bounded by</p> <table border="0"> <tr> <td>(a) 23-27.08N</td> <td>068-14.00E</td> <td>(b) 23-27.08N</td> <td>068-23.75E</td> </tr> <tr> <td>(c) 23-10.00N</td> <td>068-35.15E</td> <td>(d) 23-03.00N</td> <td>068-45.00E</td> </tr> <tr> <td>(e) 22-54.47N</td> <td>068-45.00E</td> <td>(f) 22-54.47N</td> <td>068-23.75E</td> </tr> <tr> <td>(g) 22-54.10N</td> <td>068-07.83E</td> <td>(h) 23-00.00N</td> <td>068-10.00E</td> </tr> </table> <p>2. The vessel will be towing side scan sonar tow fish approximately 150 metres behind the vessel at 10 metre height from seabed</p> <p>3. All vessels operating in vicinity to exercise caution and give wide berth of 01 NM around the vessel</p> <p>4. Cancel this message on 01 May 2011</p>	(a) 23-27.08N	068-14.00E	(b) 23-27.08N	068-23.75E	(c) 23-10.00N	068-35.15E	(d) 23-03.00N	068-45.00E	(e) 22-54.47N	068-45.00E	(f) 22-54.47N	068-23.75E	(g) 22-54.10N	068-07.83E	(h) 23-00.00N	068-10.00E
(a) 23-27.08N	068-14.00E	(b) 23-27.08N	068-23.75E													
(c) 23-10.00N	068-35.15E	(d) 23-03.00N	068-45.00E													
(e) 22-54.47N	068-45.00E	(f) 22-54.47N	068-23.75E													
(g) 22-54.10N	068-07.83E	(h) 23-00.00N	068-10.00E													
<p>102. Self Cancelling. Arabian Sea - Western and Southern Part. Charts INT 70 INT 71 INT 72 INT 703 INT 705. Piracy activities in following positions</p> <table border="0"> <tr> <td>(a) 10-29.0N</td> <td>065-57.0E</td> <td>M/V ATTACKED</td> </tr> <tr> <td>(b) 01-42.0S</td> <td>055-02.0E</td> <td>PIRATE MOTHERSHIP ACTIVITY</td> </tr> </table> <p>2. Vessels are advised to keep 100 miles clear of this position and to exercise extreme caution</p>	(a) 10-29.0N	065-57.0E	M/V ATTACKED	(b) 01-42.0S	055-02.0E	PIRATE MOTHERSHIP ACTIVITY										
(a) 10-29.0N	065-57.0E	M/V ATTACKED														
(b) 01-42.0S	055-02.0E	PIRATE MOTHERSHIP ACTIVITY														
<p>103. Cancel NAVAREA VIII message 058 of 2011. India West Coast – Off Jakhau. Charts 21 291 INT 71 INT 705. Survey vessel Geo Natuna will carry out seismic survey till 15 Mar 2011 in area bounded by</p> <table border="0"> <tr> <td>(a) 23-22.80N</td> <td>068-11.20E</td> <td>(b) 22-58.00N</td> <td>068-00.00E</td> </tr> <tr> <td>(c) 22-48.00N</td> <td>068-20.00E</td> <td>(d) 22-48.00N</td> <td>068-49.00E</td> </tr> <tr> <td>(e) 22-55.00N</td> <td>068-55.00E</td> <td>(f) 22-59.00N</td> <td>068-53.00E</td> </tr> </table> <p>2. The vessel will be towing 04 seismic streamers of length 6000 metres. Each trailing end attached to tail buoy with white flashing lights and radar reflector.</p> <p>3. All vessels operating in vicinity to exercise caution and give wide berth of 02 NM abeam, ahead and 05 NM astern of the vessel.</p> <p>4. Cancel this message on 16 Mar 2011.</p>	(a) 23-22.80N	068-11.20E	(b) 22-58.00N	068-00.00E	(c) 22-48.00N	068-20.00E	(d) 22-48.00N	068-49.00E	(e) 22-55.00N	068-55.00E	(f) 22-59.00N	068-53.00E				
(a) 23-22.80N	068-11.20E	(b) 22-58.00N	068-00.00E													
(c) 22-48.00N	068-20.00E	(d) 22-48.00N	068-49.00E													
(e) 22-55.00N	068-55.00E	(f) 22-59.00N	068-53.00E													
<p>104. Self Cancelling. India West Coast – Arabian Sea. Charts 22 INT 702 INT 705 INT 706 INT 71 INT 72 INT 73. Piracy activities in following positions:</p> <table border="0"> <tr> <td>10-04.00N</td> <td>070-54.00E</td> <td>M/V Attacked</td> </tr> <tr> <td>10-36.00N</td> <td>065-26.00E</td> <td>Pirate Action Group</td> </tr> </table> <p>2. Vessels are advised to keep 100 miles clear of this position and to exercise extreme caution.</p>	10-04.00N	070-54.00E	M/V Attacked	10-36.00N	065-26.00E	Pirate Action Group										
10-04.00N	070-54.00E	M/V Attacked														
10-36.00N	065-26.00E	Pirate Action Group														
<p>105. India West Coast – Mormugao. Chart 22 257 INT 705 INT 706. Firing practice by naval aircraft between 0230 UTC to 1230 UTC from 14 Feb to 21 Feb 2011. Danger area bounded by:</p> <table border="0"> <tr> <td>(a) 15-13.00N</td> <td>073-57.00E</td> <td>(b) 15-13.00N</td> <td>073-52.00E</td> </tr> <tr> <td>(c) 15-11.00N</td> <td>073-52.00E</td> <td>(d) 15-11.00N</td> <td>073-57.00E</td> </tr> </table> <p>2. Safe flying height 3500 metres.</p> <p>3. Cancel this message on 22 Feb 2011.</p>	(a) 15-13.00N	073-57.00E	(b) 15-13.00N	073-52.00E	(c) 15-11.00N	073-52.00E	(d) 15-11.00N	073-57.00E								
(a) 15-13.00N	073-57.00E	(b) 15-13.00N	073-52.00E													
(c) 15-11.00N	073-52.00E	(d) 15-11.00N	073-57.00E													
<p>106. Self Cancelling. Cancel NAVAREA VIII messages 092 and 095 of 2011.</p>																
<p>107. India East Coast – Off Ramaypatnam. Charts 31 32 355 356 INT 71 INT 73 INT 706. Survey vessel Geo Hindsagar will carry out 3D seismic survey from 08 Feb to 27 Feb 2011 in area bounded by:</p> <table border="0"> <tr> <td>(a) 14-49.20N</td> <td>080-06.30E</td> <td>(b) 15-04.00N</td> <td>080-04.00E</td> </tr> <tr> <td>(c) 15-18.00N</td> <td>080-07.00E</td> <td>(d) 15-28.00N</td> <td>080-13.80E</td> </tr> <tr> <td>(e) 15-40.00N</td> <td>080-17.00E</td> <td>(f) 15-19.00N</td> <td>080-37.30E</td> </tr> <tr> <td>(g) 15-01.05N</td> <td>080-21.40E</td> <td>(h) 14-44.30N</td> <td>080-15.00E</td> </tr> </table> <p>2. The vessel will be towing one seismic streamer of length 8100 metres. Trailing end attached to yellow coloured tail buoy with white flashing light.</p> <p>3. All vessels operating in vicinity to exercise caution and give wide berth of 07 NM around the vessel.</p> <p>4. Cancel this message on 28 Feb 2011.</p>	(a) 14-49.20N	080-06.30E	(b) 15-04.00N	080-04.00E	(c) 15-18.00N	080-07.00E	(d) 15-28.00N	080-13.80E	(e) 15-40.00N	080-17.00E	(f) 15-19.00N	080-37.30E	(g) 15-01.05N	080-21.40E	(h) 14-44.30N	080-15.00E
(a) 14-49.20N	080-06.30E	(b) 15-04.00N	080-04.00E													
(c) 15-18.00N	080-07.00E	(d) 15-28.00N	080-13.80E													
(e) 15-40.00N	080-17.00E	(f) 15-19.00N	080-37.30E													
(g) 15-01.05N	080-21.40E	(h) 14-44.30N	080-15.00E													
<p>108. Self Cancelling. India West Coast – Arabian Sea. Charts INT71 INT 72 INT 702 INT 705. Vessel attacked in position 12-10.00N 066-00.00E.</p> <p>2. Vessels are advised to keep 100 miles clear of this position and to exercise extreme caution.</p>																
<p>109. India East Coast-Off Kakinada. Charts 31 32 354 355 INT 706. Installation of following tug mooring buoys will be carried out from 09 Feb to 15 Feb 2011 in following positions:</p> <table border="0"> <tr> <td>(a) Buoy No. 1</td> <td>-</td> <td>16-37.70N</td> <td>082-27.00E</td> </tr> <tr> <td>(b) Buoy No. 2</td> <td>-</td> <td>16-38.80N</td> <td>082-31.10E</td> </tr> </table> <p>2. Mariners to exercise caution and give wide berth of 500 metres around each position.</p> <p>3. Cancel this message on 16 Feb 2011.</p>	(a) Buoy No. 1	-	16-37.70N	082-27.00E	(b) Buoy No. 2	-	16-38.80N	082-31.10E								
(a) Buoy No. 1	-	16-37.70N	082-27.00E													
(b) Buoy No. 2	-	16-38.80N	082-31.10E													
<p>110. India West Coast- Gulf of Kachchh. Charts 21 2068 INT 705. Salaya channel marking buoy Dhani in position 22-36.90N 069-27.70E unlit.</p> <p>2. Mariners to exercise caution.</p>																

<p>111. India West Coast - Kochi. Charts 22 32 220 259 260 2004 2029 2045 INT 706. Firing by naval coast battery on following dates:</p> <table> <tr> <td>Date</td> <td>Time (UTC)</td> </tr> <tr> <td>15, 22 Feb 2011</td> <td>0900 to 1200</td> </tr> <tr> <td>18, 25 Feb 2011</td> <td>0900 to 1200 and 1230 TO 1430</td> </tr> </table> <p>2. Danger area bounded by:</p> <table> <tr> <td>(a) 09-57.50N</td> <td>075-59.50E</td> <td>(b) 09-57.70N</td> <td>076-14.20E</td> </tr> <tr> <td>(c) 09-44.00N</td> <td>076-17.50E</td> <td>(d) 09-42.50N</td> <td>076-09.50E</td> </tr> </table> <p>3. Safe flying height 10000 metres.</p> <p>4. Cancel this message on 26 Feb 2011.</p>	Date	Time (UTC)	15, 22 Feb 2011	0900 to 1200	18, 25 Feb 2011	0900 to 1200 and 1230 TO 1430	(a) 09-57.50N	075-59.50E	(b) 09-57.70N	076-14.20E	(c) 09-44.00N	076-17.50E	(d) 09-42.50N	076-09.50E										
Date	Time (UTC)																							
15, 22 Feb 2011	0900 to 1200																							
18, 25 Feb 2011	0900 to 1200 and 1230 TO 1430																							
(a) 09-57.50N	075-59.50E	(b) 09-57.70N	076-14.20E																					
(c) 09-44.00N	076-17.50E	(d) 09-42.50N	076-09.50E																					
<p>112. Self Cancelling, Indian Ocean – Southern Part. Charts INT 70 INT 71 INT 72 INT 702. One white fishing vessel half submerged adrift. Last known position 21-09.60S 055-10.80E.</p> <p>2. Mariners to exercise caution.</p>																								
<p>113. India West Coast – Trombay Channel. Charts 21 22 211 292 2076 INT 705 INT 706. New Pir Pau jetty in position 18-58.82N 072-55.18E will be closed for critical maintenance work from 15 Feb to 20 Feb 2011.</p> <p>2. Mariners to exercise caution.</p> <p>3. Cancel this message on 21 Feb 2011.</p>																								
<p>114. Refer NAVAREA VIII message 098 of 2011. Andaman Sea – Off Andaman Island. Charts 33 41 403 473 INT 73 INT 706. Rig Dhirubhai deepwater KG1 moved to new position 12-36.08N 093-29.28E.</p> <p>2. Wide berth requested.</p>																								
<p>115. India East Coast- Bay of Bengal. Charts 31 INT 71 INT 706. Survey Vessel Viking II will carry out 3 D seismic survey from 09 Feb to 11 Feb 2011 in area bounded by:</p> <table> <tr> <td>(a) 15-25N</td> <td>085-25E</td> <td>(b) 15-55N</td> <td>085-25E</td> </tr> <tr> <td>(c) 15-55N</td> <td>085-08E</td> <td>(d) 15-25N</td> <td>085-08E</td> </tr> </table> <p>2. The vessel will be towing 10 marine seismic cables of length 8100 metres. Each end of the cable is marked with yellow coloured tail buoy with flashing light.</p> <p>3. All vessels operating in area to exercise caution and give wide berth at least 06 NM around the vessel.</p> <p>4. Cancel this message on 12 Feb 2011.</p>	(a) 15-25N	085-25E	(b) 15-55N	085-25E	(c) 15-55N	085-08E	(d) 15-25N	085-08E																
(a) 15-25N	085-25E	(b) 15-55N	085-25E																					
(c) 15-55N	085-08E	(d) 15-25N	085-08E																					
<p>116. Self Canceling, India West Coast – Arabian Sea. Charts INT 71 INT 72 INT 73 INT 705. M/V attacked in position 13-06.00N 064-09.00E on 08 Feb 2011 at 0918 UTC.</p> <p>2. Vessels are advised to keep 100 miles clear of this position and to exercise extreme caution.</p>																								
<p>117. Refer NAVAREA VIII message 097 of 2011. India West Coast – Arabian Sea. Charts 21 22 211 255 291 292 INT 705 INT 706. Following rigs moved to new position:</p> <table> <tr> <td>(a) CE THORNTON</td> <td>19-12.03N</td> <td>071-13.76E</td> </tr> <tr> <td>(b) GREATDRILL CHETNA</td> <td>19-03.83N</td> <td>071-18.08E</td> </tr> <tr> <td>(c) JT ANGEL</td> <td>19-21.95N</td> <td>071-15.56E</td> </tr> <tr> <td>(d) SAGAR GAURAV</td> <td>22-37.56N</td> <td>068-31.90E</td> </tr> <tr> <td>(e) SAGAR JYOTI</td> <td>18-43.50N</td> <td>072-20.30E</td> </tr> </table> <p>2. WIDE BERTH REQUESTED.</p>	(a) CE THORNTON	19-12.03N	071-13.76E	(b) GREATDRILL CHETNA	19-03.83N	071-18.08E	(c) JT ANGEL	19-21.95N	071-15.56E	(d) SAGAR GAURAV	22-37.56N	068-31.90E	(e) SAGAR JYOTI	18-43.50N	072-20.30E									
(a) CE THORNTON	19-12.03N	071-13.76E																						
(b) GREATDRILL CHETNA	19-03.83N	071-18.08E																						
(c) JT ANGEL	19-21.95N	071-15.56E																						
(d) SAGAR GAURAV	22-37.56N	068-31.90E																						
(e) SAGAR JYOTI	18-43.50N	072-20.30E																						
<p>118. India East Coast – Off Chennai. Charts 32 33 313 356 357 INT 70 INT 73 INT 706. Hydrographic survey will be carried out by hydrographic vessel from 12 Feb to 18 Feb 2011 in area bounded by:</p> <table> <tr> <td>(a) 12-24.00N</td> <td>080-08.00E</td> <td>(b) 12-24.00N</td> <td>080-19.20E</td> </tr> <tr> <td>(c) 12-40.00N</td> <td>080-19.20E</td> <td>(d) 12-40.00N</td> <td>080-08.00E</td> </tr> </table> <p>2. All vessels operating in vicinity to maintain safe distance of 02 NM and exercise caution.</p> <p>3. Cancel this message on 19 Feb 2011.</p>	(a) 12-24.00N	080-08.00E	(b) 12-24.00N	080-19.20E	(c) 12-40.00N	080-19.20E	(d) 12-40.00N	080-08.00E																
(a) 12-24.00N	080-08.00E	(b) 12-24.00N	080-19.20E																					
(c) 12-40.00N	080-19.20E	(d) 12-40.00N	080-08.00E																					
<p>119. India East Coast- Bay of Bengal. Charts 31 301 351 352 3017 3031 INT 71 INT 73 INT 706. Experimental rocket launch scheduled from ITR launch complex between 0330 UTC and 1030 UTC from 19 Feb to 21 Feb 2011</p> <p>Danger zone bounded by following points</p> <table> <tr> <td>(a)</td> <td>20-43.60N</td> <td>087-02.55E</td> <td>(b)</td> <td>20-30.95N</td> <td>087-29.35E</td> </tr> <tr> <td>(c)</td> <td>20-34.70N</td> <td>087-42.43E</td> <td>(d)</td> <td>21-13.70N</td> <td>087-56.98E</td> </tr> <tr> <td>(e)</td> <td>21-32.21N</td> <td>087-38.61E</td> <td>(f)</td> <td>21-22.03N</td> <td>086-56.37E</td> </tr> <tr> <td>(g)</td> <td>21-09.75N</td> <td>086-50.58E</td> <td></td> <td></td> <td></td> </tr> </table> <p>2. No over flight and shipping activity permissible within the above mentioned danger area.</p> <p>3. Cancel this message on 22 Feb 2011.</p>	(a)	20-43.60N	087-02.55E	(b)	20-30.95N	087-29.35E	(c)	20-34.70N	087-42.43E	(d)	21-13.70N	087-56.98E	(e)	21-32.21N	087-38.61E	(f)	21-22.03N	086-56.37E	(g)	21-09.75N	086-50.58E			
(a)	20-43.60N	087-02.55E	(b)	20-30.95N	087-29.35E																			
(c)	20-34.70N	087-42.43E	(d)	21-13.70N	087-56.98E																			
(e)	21-32.21N	087-38.61E	(f)	21-22.03N	086-56.37E																			
(g)	21-09.75N	086-50.58E																						

<p>120. India East Coast- Bay of Bengal. Charts 31 INT 71 INT 706. Survey vessel Viking II will carry out 3D seismic survey from 12 Feb to 26 Feb 2011 in area bounded by</p> <p>(a) 16-00N 085-16E (b) 16-40N 085-16E (c) 16-40N 085-22E (d) 16-00N 085-22E</p> <p>2. The vessel will be towing 10 marine seismic cables of length 8100 metres. Each end of the cable is marked with yellow coloured tail buoy with flashing light.</p> <p>3. All vessels operating in area to exercise caution and give wide berth at least 06 NM around the vessel.</p> <p>4. Cancel this message on 27 Feb 2011.</p>
<p>121. Cancel NAVAREA VIII message 068 of 2011. India West Coast- Arabian Sea. Charts 21 22 292 INT 71 INT 705. Survey vessel Bos angler will carry out seismic survey from 14 Feb to 15 Mar 2011 in area bounded by</p> <p>(a) 18-40.00N 069-43.47E (b) 18-34.86N 069-49.00E (c) 18-59.62N 070-08.27E (d) 18-54.21N 070-13.56E</p> <p>2. The vessel will be towing four seismic streamers of length 6000 metres. Each trailing ends are attached to tail buoy with radar reflectors and flashing white lights</p> <p>3. All vessels operating in the area to exercise caution and give wide berth of 01 NM on either side, 02 NM ahead and 05 NM astern of the vessel</p> <p>4. Cancel this message on 16 Mar 2011.</p>
<p>122. Self Cancelling. NAVAREA VIII-warning in force 2010 Series - 380 470 508 520 528 534 581 629 630 648 746 747 761 771 776 779 804 2011 Series - 017 042 048 050 064 066 071 072 078 079 081 084 086 087 088 096 097 098 101 103 105 107 109 110 111 113 114 115 116 117 118 119 120 121</p>
<p>123. Cancel NAVAREA VIII message 581 of 2010. India West Coast – Arabian Sea. Charts 21 292 INT 705 INT 706. Seismic survey will be carried out by survey vessel Sagar Sandhani from 14 Feb 2011 to 31 Mar 2011 in area bounded by</p> <p>(a) 18-47.00N 069-39.00E (b) 19-04.00N 070-00.50E (c) 18-59.00N 070-06.00E (d) 18-41.00N 069-44.25E</p> <p>2. The vessel will be towing two streamers of length 5000 metres and each of the trailing ends are attached to tail buoys with radar reflectors and flashing red and green lights.</p> <p>3. All vessels operating in vicinity to exercise caution and give wide berth of 1.5 NM on either side, 2.5 NM ahead and 5.5 NM astern of the vessel.</p> <p>4. Cancel this message on 01 Apr 2011.</p>
<p>124. Self Cancelling. Cancel NAVAREA VIII message 119 of 2011.</p>
<p>125. India East Coast-Bay of Bengal. Charts 31 32 INT 71 INT 706. Survey vessel Geowave champion will carry out 3D seismic survey from 16 Feb to 30 Apr 2011 in area bounded by</p> <p>(a) 15-00.00N 083-59.50E (b) 15-00.00N 084-30.50E (c) 14-07.00N 084-30.50E (d) 14-07.00N 083.59.50E</p> <p>2. The vessel will be towing ten marine seismic cable of length 8100 metres. The cable will be submerged 08 metre below the water surface and will also be on the surface at times. Yellow tail buoy with a flashing light attached at the end of cable.</p> <p>3. All vessels operating in the area to exercise caution and give wide berth of 06 NM around the vessel.</p> <p>4. Cancel this message on 01 May 2011.</p>
<p>126. India East Coast- Bay of Bengal. Charts 32 INT 71 INT 706. Survey vessel Viking vision will carry out 3 D seismic survey as follows</p> <p>From 16 Feb to 17 Feb 2011 in area bounded by</p> <p>(a) 12-15.38N 083-27.52E (b) 12-34.46N 083-28.03E (c) 12-34.54N 083-12.04E (d) 12-15.46N 083-11.54E</p> <p>and from 18 Feb to 31 Mar 2011 in area bounded by</p> <p>(e) 13-04.01N 083-04.05E (f) 13-21.20N 083-04.60E (g) 13-21.00N 083-19.80E (h) 13-30.00N 083-19.90E (j) 13-30.00N 083-39.95E (k) 13-09.00N 083-39.75E (l) 13-09.20N 083-17.15E (m) 13-04.00N 083-17.10E</p> <p>2. The vessel will be towing 10 streamer cables of length 8100 metres. Each cable end is marked with yellow tail buoy and white flashing light</p> <p>3. All vessels operating in the area to exercise caution and give wide berth of 07 NM around the vessel.</p> <p>4. Cancel this message on 01 Apr 2011.</p>
<p>127. India East Coast – Off Visakhapatnam. Charts 31 32 354 INT 706. Hydrographic survey will be carried out by hydrographic vessel from 20 Feb to 24 Feb 2011 in area bounded by</p> <p>(a) 17-00.50N 083-13.50E (b) 17-08.00N 083-27.00E (c) 17-17.00N 083-21.50E (d) 17-09.50N 083-07.50E</p> <p>2. All Vessels Operating In Vicinity To Maintain Safe Distance Of 02 NM And Exercise Caution.</p> <p>3. Cancel this message on 25 Feb 2011.</p>

128. India West Coast – Gulf of Khambhat . Charts 21 207 208 254 INT 705 INT 706. Narmada channel marking buoy no 1 unlit and buoy no 9 is retrieved for maintenance
2. Mariners to exercise caution.



SECTION – VI

CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

(Note: For hard copy in colour, kindly download from www.hydrobharat.nic.in Indian Notices to Mariners section)

West Coast of India Pilot (INP-1)

Chapter -2 (Page – 90)

[Source: INS Nirupak ROS O(N)-175]

Article 2.262

Insert new paras after para 5

6 **Reclamation** Velifaru a small reclaimed island lies 1 NM south west of Gaafaru. Thumbafhushi, a reclaimed island with some industrial units lies 3 NM south of Helengeli.

7 **Resorts** The Island of Eriyadu, Helengeli and Kagi have resorts with jetties. Seaplanes operated by Island Aviation Services Ltd and Maldivian Air Taxi operates to and from the resorts.

8 **Protected Area** Makunudhoo Kandu is declared a protected place by Maldivian Government.

Chapter -7 (Page – 229 to 235)

(Source: Mumbai Port Trust)

Delete article 7.191 and replace by

7.191

The port of Mumbai is a multi-purpose port with facilities for handling petroleum products, chemicals, containers, dry bulk and break bulk cargo. It has more than 50 berths; it also has number of anchor berths. Mumbai is one of the major commercial as well as industrial centres of India.

Article 7.196

Delete para 1 and replace by

1 The port is equipped to operate general cargo vessels, container ships and tankers. Number of ships and tonnage handled per year.

Sl No	Financial year	No of ships	Tonnage (In million tons)
1	2006-07	2284	52.36
2	2007-07	2179	57.04
3	2008-09	2137	51.88
4	2009-10 (Upto Feb 10)	2143	50.24

Article 7.197

Delete para 1 and replace by

The port is administered by the Mumbai Port Trust, Port House, Shoorji Vallabhdas Marg, Ballard Estate, Mumbai-400001.

Ph: 091 22 66565656

Harbour Master: 091 22 66564022

Fax: 091 22 22611011

Email: Mbpt@vsnl.com

Website: <http://www.mumbaiport.gov.in>

Article 7.203, para 1, line 2

Delete text “9.1m” and replace by “10m”

Article 7.206

Delete para 1 and replace by

1 12 VHF frequencies for Port, Dock, Safety and Security operations are in use for 24 hours in 156-162 MHz band.

2 2 UHF frequencies for Radio Tide Gauge and DGPS corrections are used in 400 MHz band for 24 hours.

3 3 Radar frequencies in 9 MHz band for VTMS are in use for 24 hours/365 days.

4 6 microwave frequencies in 8 MHz for communication links for VTMS System are in use for 24 hours/365 days. For details see relevant *List of Radio Signals*.

Article 7.209

Delete para 2 and replace by

2 **Tugs.** 4 harbour tugs, 4 dredging tugs and 8 dock tugs are available 24 hours. The maximum bollard pull is 2481BHP. Communication with tugs is on VHF, Non-Marine channels exclusively for MbPT use.

Insert new article 7.209a after 7.209

VTMS

7.209a

1 All vessels bound for both Mumbai and JNPT to contact Mumbai VTMS at a range of 24NM from Prongs Lt. For further details, see *Indian List of Radio Signal Volume 6*.

Article 7.225

Para 1 line 1-2

Delete text “The harbour provides types of vessels.” and replace by

“The harbour provides more than 60 anchorages berths with varying radius 1500 ft to 600 ft depths 3.9m to 10m at chart datum for various types of vessels.”

Article 7.238

Para 1 insert after line 2

“There are 29 berths in Indira Dock.”

*Article 7.249**Delete para 1 and replace by***Services****2.149**

1 The port can undertake all kinds of repair activities. Following services are available.

Sl	Services	Remarks
(a)	Cargo Handling	The container Terminal consists of a dedicated Container Berth alongwith a Container Yard at Ballard Pier Station (BPS) berth (i) Berth Length: 244m Designed draft: 10m Facilities: Berth provided with two ship to shore gantry cranes with capacity upto 35.5MT. (ii) Container Yard Capacity: 516 ground slots of 20' Capacity in TEUs: 180 TEUs Equipments: 3 rubber tyred gantries capable of stacking container upto ground plus three level. Apart from above there are four Reach Stackers for handling container in storage yard.
(b)	Roll on/Roll off	RORO vessels are accommodated at BPX, 11D, 12B ID and 18 ID berths.
(c)	Cranes	3 Ton: 15 5/6 Ton: 4 6Ton: 8 10Ton: 8 13Ton: 4 16Ton: 3 Max lifting capacity, height of boom at wharf level and outreach is 16 Tons.
(d)	Docking/ slipway	Dry Docks: 2 Slipway as BPT Work Shop: 6Nos
(e)	Hards and ramps	1 no Ramps at 1 ID
(f)	Salvage, lifeboats, life guards etc.	Salvage Section undertakes diving operations for underwater inspection/survey, retrieval of articles etc.
(g)	Ship chandlery and stevedores	Available
(h)	Security	ISPS Compliance with effect from 24 Jun 2004.

*Delete article 7.252**And replace by***Supplies****7.252**

1 **Fuel** Diesel/Petrol.

2 **Fresh Water** The Port supplies fresh water to the vessels berthed at Docks, Jawahar Dweep and Pir Pau. Also other license agencies are supply fresh water to vessels.

Chapter -9 (Page – 267-273)**[Source: INS Investigator ROS A(N)-253]***Delete article 9.9**Article 9.16, para 3**Insert text after line 2*

“Tidal streams set 100° while inbound and 280° while outbound. These currents remain strong until one hour after peak of tide.”

*Article 9.59**Insert new para 4 and 5 after para 3*

4 **Rescue and Distress** Coast Guard Station at Okha Port
5 **Fire** Fire brigade available with Tata Co. Mithapur.

Bay of Bengal Pilot (INP-2)**Chapter -8 (Page – 277)****(Source: INS Nirupak ROS M-180)***Article 8.18, para 1, line 7**Delete text “SW” and replaced by “S”.**Article 8.18**Insert new para 9 after para 8*

9 Vessels entering Temple Sound for recommended anchorage to exercise caution.

Chapter -8 (Page – 284-292)**(Source: Harbour Master, PBPT)***Article 8.40**Insert new para 3 after para 2*

3 **Sea Planes** will operate during day time hours between Port Blair and Port Cornwallis harbour. All vessels are to exercise caution. Port control tower will inform about flying operation on CH 16 to all vessels.

*Article 8.65**Insert new para 6.1 after para 6*

6.1 **Sea Planes** will operate during day time hours between Port Blair and Lacam harbour. All vessels are to exercise caution. Port control tower will inform about flying operation on CH 16 to all vessels.

SECTION – VIII
CORRECTION TO LIST OF RADIO SIGNALS

INP 31(1), 2005

(Last correction: Edition No. 07 dated 01 Apr 2009)

NIL

INP 31(2), 2007

(Last correction: Edition No. 24 dated 16 Dec 10)

NIL

INP 31(5), 1997

(Last correction: Edition No. 07 dated 01 Apr 09)

NIL

INP 31(6), 2005

(Last correction: Edition No. 02 dated 16 Jan 11)

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@nic.in, msis-inho-navy@nic.in
Fax No.: +91-135- 2748373
WEB: www.hydrobharat.nic.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. When a position is defined by bearings (true or magnetic to be specified) more than two bearings should be used in order to provide a check. Distances observed by Radar should be corrected for index errors. Latitude and Longitude obtained from GPS / DGPS should specify the datum (WGS 84 or other). A copy / tracing from the largest scale chart may be used for forwarding details, with the corrections and additions being shown thereon in red.

Depth Reporting

4. When soundings are obtained using Echo Sounders, the echo-gram should be duly annotated with date, time, position and depth, etc., before enclosing it with the Form IH 102. It is important to state whether 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 applied where necessary. The make, name and type of echo sounder should also be given. Care should be taken to set the echo sounder to the largest scale / phase, so as to obtain maximum details of echo of the feature. Efforts should be made to identify and negate false echoes if any.

5. Reports, which cannot be confirmed or are lacking in certain details should not be withheld. Limitations or shortcomings should be duly notified in the form.

6. Reports on shoal soundings, uncharted dangers and navigational aids out of order should be reported through fastest available means at the mariner's discretion, and also be made by radio to the nearest coast radio station. The draught of modern tankers is such that any uncharted depth under 50 metres should be of sufficient importance to justify a radio message.

7. Port information should be forwarded on form IH 102a together with IH 102. Form 102a contains the information required for Sailing Direction and should be used as an *aide memoir*. Where there is insufficient space on the form, additional sheet should be used.

Please Note: - The receipt of all Hydrographic Notes will be duly acknowledged by the Hydrographic Office. Normally, the sender's ship or name is quoted as the source when the Notices to Mariners reporting the change is issued, unless the information is received through a foreign Notices to Mariners. Further communication from the Hydrographic Office to the sender of the hydrographic note will only be necessary to verify unusual features or abnormal values reported.

I.H. 102**HYDROGRAPHIC NOTE****(For Reporting Navigational Dangers/ Changes observed at Sea by Mariners)**

1. Name of ship or sender	
2. Address of sender	
(i) E-mail	
(ii) Fax No.	
(iii) Tel. No.	
3. General Locality	
4. Chart / Publication Affected:	
(i) Chart published by INHO / UKHO / other (Specify).	
(ii) Chart No.	
(iii) Edition Date.	
(iv) Latest Edition of Indian N to M held	
5. Details of Changes / Dangers Observed.	
Object of Change.	
(i) Date/Time of observation	
(ii) Charted Observed	
(iii) Position/Area	
(a) Bathymetry:	
(i) Depth	
(ii) Depth Contour	
(iii) Channel Depth	
(b) Navigational Dangers:	
(i) New Shoals	
(ii) New Rocks	
(iii) New Reefs	
(iv) New Wrecks	
(v) New Nav-aid (Specify)	
(c) Casualties to existing Nav-Aids:	
(i) Buoys	
(ii) Lights	
(iii) Fog signals	
(iv) Racons	
(v) Transit Marks	
(vi) Leading Lines	
(vii) Clearance bearings	
(d) Designated Areas:	
(i) Exercise Areas	
(ii) Prohibited Areas	
(iii) Pilot Station	
(iv) Anchorage	
(v) Foul Ground	

(e) Port Information:	
(i) Berthing	
(ii) Cranage	
(iii) Tugs	
(iv) Dry Docks	
(v) Repair Facilities	
(vi) Pilotage	
(vii) Fuel	
(viii) Water	
(ix) Any other (Specify)	
(f) Environmental Data	
(i) Met information	
(ii) Tides and Tidal Stream	
(iii) Pollutants	
(iv) Effluents	
(v) Marine Life / Habitats	
(g) Other changes, if any, with Details:	
6. Information on the Positions of Danger / Changes Reported above:	
(a) Positioning System used	
(b) Datum [WGS/Everest/ Local (Specify)]	
(c) Accompanying plots / photographs if any	
7. Information on the Soundings / Depths Reported above:	
(a) Echo Sounder (Type) used	
(b) Draught of Vessel set on Echo Sounder	
(c) Observed water depth vis-à-vis charted depth	
(d) Echo-gram accompanying this report: Yes / No	
(e) Whether voltage drop existed in equipment at observation time	
(f) Data and Time of depth observation	
8. Limitations if any in Reporting the changes above	

Filled By
(Name & Designation)

Checked by
(Name & Designation)

Place
Date

I.H. 102a**HYDROGRAPHIC NOTE FOR PORT INFORMATION****(For Reporting Changes to Port Information)**

1 Name and Address of the Port.	
(a) Name	
(b) Address	
(c) Phone No's	
(d) Web Site	
(e) E Mail	
2 General Remarks	
(a) Principal activities and trade	
(b) Number of ships and tonnage handled per year	
(c) Maximum size of draught of vessel handled	
(d) Soft copy of port handbook	
3 Anchorages	
(a) Type/Purpose	
(b) Minimum depth	
(c) Shelter afforded	
(d) Holding Ground	
(e) Recommended Pilotage to the anchorages	
(f) Request Pilots appreciation to the approach of anchorage area	
4 Pilotage	
(a) Authority for request	
(b) Embarkation Position	
(c) Regulations	
(d) Documents to be provided	
(e) Request Pilots appreciation to the approach of inner harbour and berths.	
(f) Information on Vessel Traffic Management System (VTMS).	
(g) Navigational aid	
(i) List of beacons	
(ii) Buoys	
(iii) Lighthouses	
(iv) Any other information	
5 Directions	
(a) Entry and berthing information	
(b) Tides (Range of the tides)	
(c) Tidal stream information in the area	
(d) Type of season (max/min temperature, rain fall, wind speed and direction)	
6 Pollution Control	
Local regulation in force (if any)	

7 Tugs	
(a) Number available/Type	
(b) Maximum HP/Bollard Pull	
(c) Requesting authority	
(d) Availability times	
(e) Communication with tugs	
(f) Hiring charges	
8 Berthing and wharves	
(a) Type & number of berths available	
(b) Length	
(c) Depth alongside	
(d) Facilities available	
(e) Procedure for requesting berth and hiring charges.	
9 Cargo Handling	
(a) Containers	
(b) Lighters	
(c) Roll on / Roll off etc.	
10 Cranes	
(a) Brief details max lifting capacity, height of boom at warf level and outreach	
(b) Container handling facilities.	
11 Bridges	
Vertical clearance	
12 Repairs	
(a) Hull machinery and underwater	
(b) Ship and boat yards	
(c) Docking or slipway facilities (size or dimensions of vessels handled)	
(d) Hards and ramps	
(e) Divers/Diving Assistance	
13 Rescue and distress	
(a) Salvage, lifeboats, life guards etc	
14 Supplies	
(a) Fuel (type and quantities available)	
(b) Fresh water and rate of supply	
(c) Provisions	
(d) Chart agents	
15 Services	
(a) Radio/telegram/fax /telephone	
(b) Internet	
(c) Medical	
(d) Quarantine	
(e) counsel	
(f) Ship chandlery and stevedores	
(g) Compass adjustment	
(h) Tank cleaning	
(j) Hull painting	
(k) Police	

(l) Ambulance	
(m) Fire fighting (fixed and mobile facilities)	
(n) Navigational warning and weather bulletin	
(p) garbage disposal	
(q) Waste oil disposal	
(r) Helicopter landing facilities	
16 Communications	
(a) Road, rail and air services available	
(b) Nearest airport or airfield	
(c) Port radio and information service (Frequencies and operating hours)	
17 Port Authority	
Designation, address and phone number	
18 Security	
(a) Security of ports/ International Ship and Port Facility (ISPS) competence	
(b) Container Security Initiative (CSI)	
(c) Custom and Immigration regulation in ports	
19 Small craft facilities	
(a) Information and facilities for small craft yachts visiting the port	
(b) Yacht clubs, berths etc	
20 Shore leave	
21 Clubs recreation	
(a) information kiosk (location)	
(b) Foreign exchange firms/banks (within/near port area)	
(c) Places of interest near port	
(d) Hotels/ restaurants (Type of food served e.g Chinese, continental etc)	
22 Views (duly annotated), photographs of the approaches, leading marks, the entrance to the harbour etc.	
23 Any other information considered to be useful for the mariners	

Filled By
(Name & Designation)

Checked by
(Name & Designation)

Place
Date



FOR 24 X 7 SAR ASSISTANCE IN INDIAN SRR

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