



INDIAN NOTICES TO MARINERS FOR 2008

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

EDITION No. 10 DATED 16 MAY 2008

(CONTAINS NOTICES 286 TO 317)

REACH US 24 HOURS A DAY



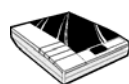
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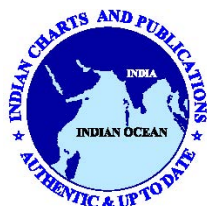
Mariner's Obligation and A Chart Maker's Plea. Observing Changes at sea proactively and reporting them promptly to the concerned charting agency, is an obligation that all mariners owe to the entire maritime community towards SOLAS. Mariners are requested to notify the Chief Hydrographer to the Govt. of India at the above mentioned address/fax number/ E mail ID 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 N to M editions 1, 7, 13 and 19.

**Chief Hydrographer
to the Government of India**

**National Hydrographic Office
Post Box No. 75
Dehradun 248 001
India**

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For the Indian Ocean Area
INSIST ON INDIAN CHARTS AND
PUBLICATIONS
(Original, Authentic and Most Up-to-date)

EXPLANATORY NOTES

Corrections to Charts and Publications. Section I comprises List of Charts (both Indian and BA) affected by the notices contained in this edition. Where as 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 X.

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. These corrections are not inserted on charts before they are issued to the users. 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 can not 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.

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) Where ever 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 & 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.

INDIAN CHARTS AND PUBLICATIONS NOW PUBLISHED AND AVAILABLE

(a) **NEW INDIAN ELECTRONIC NAVIGATIONAL CHART:**

Sl. No.	Cell Name	Chart No.	Title	Publication Date
NIL				

(b) **NEW EDITION ELECTRONIC NAVIGATIONAL CHART:**

Sl. No.	Cell Name	Chart No.	Title	Publication Date
1.	IN52057M	2057	MAHUVA BANDAR	31-10-2007
2.	IN52057S	2057	SIMAR ANCHORAGE	31-10-2007

(c) **ENCs PERMANENTLY WITHDRAWN:**

Sl. No.	Cell Name	Chart No.	Title	Publication Date
1.	IN52057M	2057	MAHUVA BANDAR	30-06-2005
2.	IN52057S	2057	SIMAR ANCHORAGE	30-06-2005

(d) **NEW REPRINT INDIAN CHARTS**

Chart No.	Date of Publication	Title, Limits & Description	Scale	Folio	Price
2015	01-02-2001	PORT OF MUMBAI	20 000	3	Rs. 1360.00

(e) **FORTHCOMING CHARTS AND PUBLICATIONS**

Chart No	Title	Scale	Remarks
2045 (INT 7360)	PORT OF KOCHI (COCHIN)	7 500	New Edition
2083	APPROACHES TO SIKKA RELIANCE TANKER BERTHS	37 500 5 000	New Edition
2075 (INT 7366)	TUTICORIN HARBOUR: APPROACHES TO TUTICORIN	25 000 60 000	New Edition
2017	NAVLAKHI AND APPROACHES	25 000	New Edition

AVAILABILITY OF ENCs:

The complete folios of Official Indian ENCs are distributed worldwide through JEPPESEN MARINE (formerly C-MAP) and UKHO. UKHO distributes Indian ENCs through the world wide net work of their agents and distributors. Details of UKHO agents / distributors may be obtained from UKHO web site www.ukho.gov.uk 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- 248 001 Tele: +91 135 2747365 Fax: +91 135 2748373 Email: in的角度@dataone.in Website: www.hydrobharat.nic.in</p>	<p>Director 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 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>
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SECTION – I
List of charts affected by
The Notices 286 to 317 contained in this Edition

INDIAN H.O. Chart No.	Folio No.	Notice No.	INDIAN H.O. Chart No.	Folio No.	Notice No.
21	2	314(T)	2068	2	288,289
22 (INT 752)	3	294,295,315(T)	2077	3	291
23	4	315(T)	2078(INT 7346)	3	315(T)
31	5	304,314(T),315(T)	2079	2	287,289
32 (INT 754)	5	315(T)	2080	2	289
33	5	314(T),315(T)	2083	2	289
41	6	315(T)	3001(INT 7402)	5	315(T)
203(INT 7319)	2	288,289	3003	5	315(T)
204	2	290	3028	5	316(P)
212	3	291	4006	6	299
213	3	291	7705(INT 705)	1	315(T)
214	3	315(T)	8006	1	300
217	3	315(T)			
218	3	294			
219	3	294,295	ADMIRALTY Chart No.	Folio No.	Notice No.
224	4	315(T)	716(INT 7060)	36	301
256(INT 7340)	3	291	933	46	313
257(INT 7343)	3	315(T)	1002	37	301
258(INT 7348)	3	294,315(T)	1064	37	301
259(INT 7356)	3	294,295	1116	37	301
262	4	315(T)	2056	46	313
268(INT 7353)	4	315(T)	2133(INT 7139)	32	303
271	2	314(T)	2139	45	317(P)
272	4	286,294, 315(T)	2149	46	313
273	4	315(T)	2152	45	317(P)
292(INT 7021)	2	314(T), 315(T)	2155	45	317(P)
293(INT 7022)	3	315(T)	2373(INT 7136)	32	303
301	5	298	2375(INT 7055)	32	302
313	5	315(T)	2403	45	312
319	7	304	2461	37	300
351	5	298	3043(INT 7131)	32	302
356(INT 7400)	5	315(T)	3729	46	313
357(INT 7397)	5	315(T)	3831	45	312
361	7	304	3833	45	312
407	6	315(T)	3868	37	300
471	6	315(T)	3876(INT 7720)	37	301
472(INT 7032)	6	315(T)	3877(INT 7055)	36	301
473(INT 7031)	6	315(T)	4030	45	308
2002(INT 7351)	3	293, 315(T)	4031	45	308
2003	3	294	4032	45	309,311
2008	3	292	4034	45	305,307,311
2010	3	292	4035	45	307,309
2020	3	315(T)	4036	45	309
2021	2	287	4037	45	306,312
2022(INT 7345)	3	315(T)	4039	45	309
2029(INT 7358)	3	296	4040	45	306,307,309,311
2052(INT 7350)	3	293,315(T)	4041	45	306,312
2060	2	289	4044	45	310

SECTION – II: PERMANENT NOTICES
INDIAN HYDROGRAPHIC CHARTS AND PUBLICATIONS

***286/(10/08) Miscellaneous Updates to Charts.**

Source: NHO Dehradun.

Chart	Previous Update	Details
272	597/07	Amend magenta limit of Chart 272, LL-LAT 11° 04' 30"N Instead of 11° 01' 30"N

***287/(10/08) INDIA-WEST COAST – Gulf of Kachchh – Mundra Port – Light.**

Source: Mundra Port & Special Economic Zone Limited.

(HJ/1131/20)

Chart 2079 [previous update 251/08]

Insert	 Fl.G.12m	22° 44'·427N., 69° 42'·879E.
	Front Side	
	 Fl.G.15.5m	22° 44'·439N., 69° 42'·861E.
	Rear Side	

Chart 2021 [previous update 174/08]

Insert	 Fl.G.12m	22° 44'·427N., 69° 42'·879E.
	Front Side	
	 Fl.G.15.5m	22° 44'·439N., 69° 42'·861E.
	Rear Side	

***288/(10/08) INDIA-WEST COAST – Gulf of Kachchh – Deep Water Route – Buoy**

Source: DLL Jamnagar

(HJ/1131/20)

Chart 203 (INT 7319) [previous update 223/08]

Insert	 Paga VQ(3)5s	22° 35'·40N., 69° 14'·40E.
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Chart 2068 [previous update 222/08]

Insert	 Paga VQ(3)5s	22° 35'·40N., 69° 14'·40E.
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***289/(10/08) INDIA-WEST COAST – Gulf of Kachchh – Approaches to Sikka – Racon, Legend.**

Source: Reliance Port & Terminals Limited.

(HJ/1131/20)

Chart 203 (INT 7319) [previous update 288/08]

Insert	Racon 'O' at SPM 3	22° 36'·54N., 69° 49'·94E.
Amend	Racon 'U' at SBM Horn	22° 30'·60N., 69° 42'·10E.

Chart 2068 [previous update 288/08]

Amend	Racon 'U' at SBM Horn	22° 30'·60N., 69° 42'·10E.
-------	-----------------------	----------------------------

Chart 2080 [previous update 223/08]

Insert	Racon 'O' at SPM 3	22° 36'·54N., 69° 49'·94E.
	Legend, SPM Working area ,, centered on	22° 35'·20N., 69° 51'·00E.

***289/(10/08) INDIA-WEST COAST – Gulf of Kachchh – Approaches to Sikka – Racon, Legend.
(Continued)**

Chart 2083 [previous update 223/08]

Insert Racon 'O' at SPM 3 22° 36'·54N., 69° 49'·94E.
Legend, SPM Working area centered on 22° 35'·10N., 69° 50'·50E.

Chart 2079 [previous update 287/08] (WGS 84 Datum)

Insert Racon 'O' at SPM 3 22° 36'·58N., 69° 49'·93E.
Legend, SPM working area centered on 22° 35'·70N., 69° 49'·50E.

Chart 2060 [previous update 147/08]

Amend Racon 'U' at SBM Horn 22° 30'·58N., 69° 42'·07E.

Chart 2060 (Plan Pathfinder Inlet) [previous update 147/08]

Amend Racon 'U' at SBM Horn 22° 30'·58N., 69° 42'·07E.

***290/(10/08) INDIA-WEST COAST – Dwarka to Navibandar –Wreck.**

Source: DG Shipping(MB) and NAVAREA VIII Warning 371/07
(HJ/1131/10)

Wreck of MV Shujaa III

Chart 204 [previous update 177/08]

Insert  PA 21° 44'·59N., 69° 27'·80E.

***291/(10/08) INDIA-WEST COAST – Pavas Anchorage – Light, Buoy, Conspicuous Object - Jetty.**

Source: NHO Dehradun / Hydrographic Note INS Nirdeshak
(HJ/1030/69)

Chart 256 (INT 7340) [previous update 652/07]

Insert  Fl.(2)15s4M 16° 53'·53N., 73° 16'·72E.

Chart 212 [previous update 252/08]

Insert  Fl.(2)15s4M 16° 53'·53N., 73° 16'·72E.

Chart 213 [previous update 253/08]

Insert  Fl.(2)15s4M 16° 53'·53N., 73° 16'·72E.

Chart 2077 [previous update NE 30 Nov 06] (WGS 84 Datum)

Insert  Fl.(2)15s11m4M 16° 53'·58N., 73° 16'·68E.



16° 54'·62N., 73° 17'·77E.



16° 53'·20N., 73° 17'·15E.



16° 53'·30N., 73° 17'·08E.

Legend, Finilox ODC Jetty

16° 53'·52N., 73° 17'·20E.

Amend Height of Chimney to; $\overline{(62)}$

16° 54'·93N., 73° 17'·73E.

Cancel former INM 216(P)/07

***292/(10/08) INDIA-WEST COAST – Karwar Naval Harbour – Light**

Source: COMINKAR

(HJ/1030/45)

Chart 2008 [previous update 226/08](WGS 84 Datum)Insert  Fl.5s

14° 45′.21N., 74° 07′.37E.

Chart 2010 [previous update NE 15 Mar 08] (WGS 84 Datum)Insert  Fl.5s

14° 45′.21N., 74° 07′.37E.

***293/(10/08) INDIA-WEST COAST – Ports of New Mangalore and Mangalore – Wreck.**

Source: MRCC Mumbai & NAVAREA VIII Warning 366/07.

(HJ/1030/25)

Wreck of MV Denden.**Chart 2052 (INT 7350)** [previous update 099/08]Insert  PA

12° 53′.79N., 74° 48′.77E.


Chart 2002 (INT 7351) [previous update 099/08]Insert  PA

12° 53′.79N., 74° 48′.77E.


***294/(10/08) INDIA-WEST COAST – Badagara Anchorage – Wreck.**

Source: MRCC(MB) & Navarea 367/07


(HJ/1030/14)

Wreck of Tug Wimbo and Barge ASL-30**Chart 22 (INT 752)** [previous update 227/08]Insert  PA


11° 49′.55N., 75° 09′.30E.

Chart 272 [previous update 286/08]Insert  PA


11° 49′.55N., 75° 09′.30E.

 PA


11° 33′.00N., 75° 33′.50E.

Chart 258 [previous update 099/08]Insert  PA


11° 49′.55N., 75° 09′.30E.

 PA


11° 33′.00N., 75° 33′.50E.

Chart 259 (INT 7356) [previous update 624/07]Insert  PA


11° 33′.00N., 75° 33′.50E.

Chart 218 [previous update 147/05]Insert  PA

11° 49′.55N., 75° 09′.30E.

Chart 219 [previous update 489/05]Insert  PA

11° 33′.00N., 75° 33′.50E.

Chart 2003 [previous update 136/05]Insert  PA

11° 33′.00N., 75° 33′.50E.

***295/(10/08) INDIA-WEST COAST – Tellicherry to Tanur Nagaram - Wreck**

Source: MRCC(MB) & NAVAREA VIII Warnings 140/08
(HJ/1030/14)

Wreck of MSV Sandheri

Chart 22 (INT 752) [previous update 294/08]

Insert  PA 11° 04' 00N., 75° 45' 00E.

Chart 259 (INT 7356) [previous update 294/08]

Insert  PA 11° 04' 00N., 75° 45' 00E.

Chart 219 [previous update 294/08]

Insert  PA 11° 04' 00N., 75° 45' 00E.

***296/(10/08) INDIA-WEST COAST – Approaches to Kochi (Cochin) – Lightrage Operation – Legend – Restricted Area.**

Source: Cochin Port Trust
(HJ/930/93)

Chart 2029 (INT 7358) [previous update 624/07]

Insert Restricted Area Circular limit of SPM, radius 0.7 NM,
T T T T, Centered on 09° 59' 80N., 76° 02' 50E.
Circular limit of STS operation, radius 0.5 NM,
- - - -, and associated legend, STS Lightrage Area,
centered on 10° 03' 50N., 76° 04' 50E.

***297/(10/08) INDIA – EAST COAST – Vishakhapatnam Harbour – Berth.**

Source: NHO Dehradun
(HJ/1029/76)

Chart 3012 (INT 7411)

1. Construction Work of East Quay berth has been completed. Block Correction published.
2. **Cancel former INM 355(P)/04.**


***298/(10/08) INDIA-EAST COAST – Approaches to Hugli River - Light**

Indian Light of List Vol. F & K, 2003, F: 1018
Source: Hydrographic Note INS Nirupak
(HJ/1129/11)

Chart 351 [previous update 255/08]

Delete  ECLV Eastern Channel 21° 04' 32N., 88° 11' 12E.
Fl.10s
Insert  Racon (O) Eastern Channel 21° 02' 94N., 88° 11' 51E.
Fl.10s12M

Chart 301 [previous update 172/08]







Move  Racon (O) Eastern Channel *from:* 21° 04' 32N., 88° 11' 12E.
Fl.10s12M *to:* 21° 02' 94N., 88° 11' 51E.

***299/(10/08) ANDAMAN SEA - INDIA ANDAMAN ISLANDS – Port Blair – Power cable.**

Source: INS Nirupak

(HJ/1028/17)

Chart 4006 [previous update 152/08]

Delete	Over head power cable		joining	11° 39' .97N., 92° 41' .90E. 11° 39' .85N., 92° 41' .87E.
			(a)	11° 39' .580N., 92° 41' .890E.
			(b)	11° 39' .235N., 92° 42' .025E.
	Submarine power cable		joining	(a) – (b) above
Insert		Pyl	(c)	11° 39' .959N., 92° 41' .905E.
			(d)	11° 39' .845N., 92° 41' .860E.
			(e)	11° 39' .580N., 92° 41' .893E.
			(f)	11° 39' .428N., 92° 41' .945E.
			(g)	11° 39' .308N., 92° 41' .988E.
			(h)	11° 39' .235N., 92° 42' .025E.
	Over head power cable		joining	(c) – (h) above

300/(10/08) INDIAN OCEAN - Moçambique Channel - Ile Juan de Nova - Light.

Indian Light of List Vol. D & E, 2003, D: 7033

Source: BA Notice 2236/08

(HJ/733/27)

Chart 8006 [previous update 599/07]

Amend light to, Fl. R.4s8M 17° 03' .1S., 42° 42' .4E.

BA Chart 2461 (plan, Ile Juan de Nova) [previous update 272/01]

Amend light to, Fl.R.4s92ft8M 17° 03' .1S., 42° 42' .4E.

BA Chart 3868 [previous update 599/07]

Amend light to, Fl.R.4s8M 17° 03' .2S., 42° 42' .4E.

301/(10/08) MADAGASCAR - East Coast - Passe d.Orongéa - C. Andranomody East-south-eastwards - Light.

Indian Light of List Vol. D & E, 2003, D: 6918

Source: BA Notice 2163/08

(HJ/733/70)

BA Chart 716 (INT 7060) [previous update 265/06]

Amend range of Cap Mine light to, 23M 12° 14' .5S., 49° 21' .4E.

BA Chart 1002 [previous update 601/07]

Amend range of light to, 23M 12° 13' .9S., 49° 22' .6E.

BA Chart 1064 (plan, Passe d. Orongéa) [previous update 601/07]

Amend range of light to, 23M 12° 13' .88S., 49° 21' .97E.

BA Chart 1116 [previous update 601/07]

Amend range of light to, 23M 12° 13' .88S., 49° 21' .97E.

BA Chart 3876 (INT 7720) [previous update NE 25 Jul 02]

Amend range of Cap Mine light to, 23M 12° 14' .2S., 49° 22' .0E.

BA Chart 3877 (INT 7055) [previous update 210/08]

Amend range of light to, 23M 12° 14' .2S., 49° 22' .0E.

302/(10/08) EGYPT - Red Sea Coast - Hurghada - Jazirat Abu -Minqa-r Southwards - Depths.

Source: BA Notice 2161/08

*(HJ/1134/76)***BA Chart 2375 (INT 7132)** [*previous update 450/07*]

Insert	depth 3 and extend 5m approximate contour SE to enclose	(a)	27° 12'·02N., 33° 52'·46E.
--------	---	-----	----------------------------

Delete	depth 3 ₅ , adjacent to:	(a)	above
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BA Chart 3043 (INT 7131) (plan B Hurghada (Al Ghardaqaq)) [*previous update 433/07*]

Insert	depth 3 enclosed by 5m contour		27° 12'·02N., 33° 52'·46E.
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Delete	depth 3 enclosed by 5m approximate contour		27° 11'·79N., 33° 52'·26E.
--------	--	--	----------------------------

303/(10/08) EGYPT - Red Sea Coast - Approaches to Suez Bay - Conry Rock Westwards - Depths.

Source: BA Notice 2299/08

*(HJ/1134/76)***BA Chart 2133 (INT 7139)** [*previous update 259/08*]

Insert	depth 20 ₁ and extend 30m contour NW to enclose	(a)	29° 48'·26N., 32° 33'·65E.
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Delete	depth 26, close ESE of:	(a)	above
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BA Chart 2373 (INT 7136) [*previous update 236/07*]

Insert	depth 20 ₁	(a)	29° 48'·26N., 32° 33'·65E.
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Delete	depth 24 ₅ , close S of:	(a)	above
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304/(10/08) BANGLADESH - S. Martin.s I - Light.

Indian Light List Vol. F & K, 2003, F: 1057

Source: BA Notice 2094/08

*(HJ/1128/07)***Chart 31** [*previous update 272/08*]

Amend	light to, Fl.37s20M		20° 37'·5N., 92° 19'·5E.
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Insert	Racon(M), at light		20° 37'·5N., 92° 19'·5E.
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Chart 361 [*previous update 074/08*]

Amend	light to, Fl.37s39m20M		20° 37'·8N., 92° 19'·4E.
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Chart 319 [*previous update 063/07*]

Amend	light to, Fl.37s39m20M		20° 37'·8N., 92° 19'·4E.
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305/(10/08) SINGAPORE -East Jurong Channel - Dredged depths.

Source: BA Notice 2279/08

*(HJ/927/16)***BA Chart 4034** [*previous update 235/08*]

Amend	dredged depth to, 10·5m (2007), centered on:		01° 17'·051N., 103° 43'·797E.
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	dredged depth to, 13·6m (2007), centred on:		01° 17'·685N., 103° 44'·269E.
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	dredged depth to, 11·0m (2007), centred on:		01° 17'·521N., 103° 44'·629E.
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306/(10/08) SINGAPORE - Sisters Fairway - Pulau Sakijang Bendera Westwards - Buoy.

Source: BA Notice 2280/08

*(HJ/927/16)***BA Chart 4037** [*previous update 195/08*]

Insert	 Fl(2)Y.8s TSS6		01° 13'·143N., 103° 50'·722E.
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BA Chart 4040 [*previous update 276/08*]

Insert	 Fl(2)Y.8s TSS6		01° 13'·14N., 103° 50'·72E.
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BA Chart 4041 [*previous update 274/08*]

Insert	 Fl(2)Y.8s TSS6		01° 13'·14N., 103° 50'·72E.
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307/(10/08) SINGAPORE - Pulau Bukom North-eastwards and Pasir Panjang Fairway - Depths. Buoy.

Source: BA Notice 2281/08

(HJ/927/16)

BA Chart 4034 [previous update 305/08]

Insert	depth 14 ₇	(a)	01° 16′.605N., 103° 46′.654E.
Substitute	depth 14 ₅ for depth 14 ₇		01° 16′.215N., 103° 46′.662E.
Delete	depth 15, close NW of:	(a)	above

BA Chart 4035 [previous update 235/08]

Insert	depth 14 ₇	(a)	01° 16′.605N., 103° 46′.654E.
	depth 16 ₇	(b)	01° 14′.308N., 103° 46′.490E.
	 FLY.4s ADCP3		01° 14′.319N., 103° 46′.280E.
Substitute	depth 14 ₅ for depth 14 ₇		01° 16′.215N., 103° 46′.662E.
Delete	depth 15, close NW of:	(a)	above
	depth 17 ₁ , close NW of:	(b)	above

BA Chart 4040 [previous update 306/08]

Insert	depth 16 ₇		01° 14′.31N., 103° 46′.49E.
	 FLY.4s ADCP3		01° 14′.32N., 103° 46′.28E.

308/(10/08) SINGAPORE -Jurong Island - Helios Terminal -Berths.

Source: BA Notice 2282/08

(HJ/927/16)

BA Chart 4030 [previous update 213/08]

Insert	berth number, 1		01° 13′.681N., 103° 40′.394E.
	berth number, 2		01° 13′.628N., 103° 40′.420E.
	berth number, 4	(a)	01° 13′.678N., 103° 40′.336E.
	berth number, 5		01° 13′.630N., 103° 40′.360E.
	berth number, 6		01° 13′.580N., 103° 40′.383E.
Delete	former berth number, 1, close NW of:	(a)	above
	former berth number, 2		01° 13′.730N., 103° 40′.373E.

BA Chart 4031 [previous update 236/08]

Insert	berth number, 1		01° 13′.681N., 103° 40′.394E.
	berth number, 2		01° 13′.628N., 103° 40′.420E.
	berth number, 4	(a)	01° 13′.678N., 103° 40′.336E.
	berth number, 5		01° 13′.630N., 103° 40′.360E.
	berth number, 6		01° 13′.580N., 103° 40′.383E.
Delete	former berth number, 1, close NW of:	(a)	above
	former berth number, 2		01° 13′.730N., 103° 40′.373E.

309/(10/08) SINGAPORE - Pulau Busing Westwards to Pulau Bukom Southwards - Buoyage.

Source: BA Notice 2283/08

(HJ/927/16)

BA Chart 4032 [previous update 236/08]

Insert		<i>Fl.Y.6s ECC2</i>	01° 13'·509N., 103° 45'·675E.
		<i>Fl.Y.8s ECC3</i>	01° 13'·668N., 103° 45'·276E.
		<i>Fl.Y.4s ECC4</i>	01° 13'·460N., 103° 45'·319E.
		<i>Fl.R.2s UF1</i>	01° 13'·980N., 103° 44'·130E.
		<i>Fl.G.4s UF2</i>	01° 13'·900N., 103° 44'·110E.
		<i>Fl.G.8s UF3</i>	01° 13'·820N., 103° 44'·370E.
		<i>Fl.R.4s UF4</i>	01° 13'·846N., 103° 44'·562E.
		<i>Fl.G.6s UF5</i>	01° 13'·733N., 103° 44'·788E.

BA Chart 4035 [previous update 307/08]

Insert		<i>Fl(2)Y.4s ECC1</i>	01° 13'·150N., 103° 46'·726E.
		<i>Fl.Y.6s ECC2</i>	01° 13'·509N., 103° 45'·675E.










BA Chart 4036 [previous update 158/08]

Insert		<i>Fl(2)Y.4s ECC1</i>	01° 13'·150N., 103° 46'·726E.
		<i>Fl.Y.4s ECC4</i>	01° 13'·460N., 103° 45'·319E.

BA Chart 4039 [previous update 237/08]

Insert		<i>Fl(2)Y.4s ECC1</i>	01° 13'·15N., 103° 46'·73E.
		<i>Fl.Y.6s ECC2</i>	01° 13'·51N., 103° 45'·68E.
		<i>Fl.Y.8s ECC3</i>	01° 13'·67N., 103° 45'·28E.
		<i>Fl.Y.4s ECC4</i>	01° 13'·46N., 103° 45'·32E.

BA Chart 4040 [previous update 307/08]

Insert		<i>Fl(2)Y.4s ECC1</i>	01° 13'·15N., 103° 46'·73E.
		<i>Fl.Y.6s ECC2</i>	01° 13'·51N., 103° 45'·68E.
		<i>Fl.Y.8s ECC3</i>	01° 13'·67N., 103° 45'·28E.
		<i>Fl.Y.4s ECC4</i>	01° 13'·46N., 103° 45'·32E.
		<i>Fl.R.2s UF1</i>	01° 13'·98N., 103° 44'·13E.
		<i>Fl.G.4s UF2</i>	01° 13'·90N., 103° 44'·11E.
		<i>Fl.G.8s UF3</i>	01° 13'·82N., 103° 44'·37E.
		<i>Fl.R.4s UF4</i>	01° 13'·85N., 103° 44'·56E.
		<i>Fl.G.6s UF5</i>	01° 13'·73N., 103° 44'·79E.

310/(10/08) SINGAPORE - Johor Strait - Eastern Part - Dockyard Reach and Serangoon Harbour - Depths. Wrecks. Foul.

Source: BA Notice 2284/08

(HJ/927/16)

BA Chart 4044 (plan C, Sembawang)[previous update 233/08]

Insert depth 9₂ (a) 01° 28'·125N., 103° 49'·467E.
 Delete depth 9₉, close NE of: (a) above

BA Chart 4044 [previous update 233/08]

Insert  Wk (a) 01° 28'·30N., 103° 48'·72E.
 Foul 01° 24'·20N., 103° 56'·67E.
 Delete  Wk, close W of: (a) above

311/(10/08) SINGAPORE -East Jurong Channel - Terumbu Pandan North-eastwards - Buoy.

Source: BA Notice 2285/08

(HJ/927/16)

BA Chart 4032 [previous update 309/08]

Insert  FL.Y.10s TSS5 01° 15'·632N., 103° 45'·408E.

BA Chart 4034 [previous update 307/08]

Insert  FL.Y.10s TSS5 01° 15'·632N., 103° 45'·408E.

BA Chart 4040 [previous update 309/08]

Insert  FL.Y.10s TSS5 01° 15'·63N., 103° 45'·41E.

312/(10/08) SINGAPORE STRAIT - Traffic Separation Scheme - Cautionary note.

Source: BA Notice 2286/08

(HJ/927/16)

BA Chart 2403 [previous update 195/08]

Substitute the accompanying note, DREDGING AREA, for the existing note, centered on: 01° 48'·70N., 103° 28'·00E.

BA Chart 3831 [previous update 275/08]

Substitute the accompanying note, DREDGING AREA, for the existing note, centered on: 01° 28'·80N., 104° 14'·75E.

BA Chart 3833 [previous update 275/08]

Substitute the accompanying note, DREDGING AREA, for the existing note, centered on: 01° 19'·00N., 103° 53'·40E.

BA Chart 4037 [previous update 306/08]

Substitute the accompanying note, DREDGING AREA, for the existing note, centered on: 01° 16'·150N., 103° 50'·820E.

BA Chart 4041 [previous update 306/08]

Substitute the accompanying note, DREDGING AREA, for the existing note, centered on: 01° 18'·95N., 103° 56'·12E.

313/(10/08) INDONESIA - Jawa - Approaches to Jakarta - Tanjung Pasir Northwards - Submarine cable.

Source: BA Notice 2204/08

*(HJ/827/33)***BA Chart 933** [*previous update 440/07*]Insert Submarine Cable , joining:

- 06° 00'·78S., 106° 40'·51E. (shore)
 (a) 05° 58'·67S., 106° 42'·16E. (shore)
 and
 (a) above
 05° 58'·90S., 106° 41'·44E.
 05° 58'·14S., 106° 39'·42E.
 05° 56'·34S., 106° 35'·58E. (shore)
 and
 05° 55'·54S., 106° 34'·88E. (shore)
 05° 52'·92S., 106° 36'·00E.
 05° 52'·34S., 106° 36'·43E.
 05° 51'·80S., 106° 36'·62E. (shore)

BA Chart 2056 [*previous update 280/08*]Insert Submarine Cable , joining:


- 06° 00'·78S., 106° 40'·51E. (shore)
 (a) 05° 58'·67S., 106° 42'·16E. (shore)
 and
 (a) above
 05° 58'·90S., 106° 41'·44E.
 05° 58'·14S., 106° 39'·42E.
 05° 56'·34S., 106° 35'·58E. (shore)
 and
 05° 55'·54S., 106° 34'·88E. (shore)
 05° 52'·92S., 106° 36'·00E.
 05° 52'·34S., 106° 36'·43E.
 05° 51'·80S., 106° 36'·62E. (shore)

BA Chart 2149 [*previous update 280/08*]Insert Submarine Cable , joining:

- 06° 00'·8S., 106° 40'·5E. (shore)
 (a) 05° 58'·7S., 106° 42'·2E. (shore)
 and
 (a) above
 05° 58'·9S., 106° 41'·4E.
 05° 56'·3S., 106° 35'·6E. (shore)
 and
 05° 55'·5S., 106° 34'·9E. (shore)
 05° 51'·8S., 106° 36'·6E. (shore)

**313/(10/08) INDONESIA - Jawa - Approaches to Jakarta - Tanjung Pasir Northwards - Submarine cable.
(Continued)**

BA Chart 3729 [previous update 280/08]

Insert Submarine Cable  joining:

06° 00'·78S., 106° 40'·51E. (shore)

(a) 05° 58'·67S., 106° 42'·16E. (shore)

and

(a) above

05° 58'·90S., 106° 41'·44E.

05° 58'·14S., 106° 39'·42E.

05° 56'·34S., 106° 35'·58E. (shore)

and

05° 55'·54S., 106° 34'·88E. (shore)

05° 52'·92S., 106° 36'·00E.

05° 52'·34S., 106° 36'·43E.

05° 51'·80S., 106° 36'·62E. (shore)

SECTION – III: TEMPORARY AND PRELIMINARY NOTICES***314(T)/(10/08) INDIA EAST AND WEST COAST– ARABIAN SEA – ANDAMAN SEA – Tsunami Data Buoys.**

Source: NIOT Chennai.

(HJ/1031/50)

1. Following yellow coloured Tsunami data buoys with radar reflector & mast carrying sensor laid in following positions:

SI No	Buoy No.	Position	Size	Characteristics	Chart affected
a)	TB 4M	09° 17′.45N 89° 22′.05E	2.2m dia & 3.5m mast with metrological sensor	Fl(4) 15s4M	33
b)	TB 3	06° 46′.96N 89° 50′.00E	2.2m dia & 3.5m height mast	Fl(4)Y.15s4M	33
c)	TB 4	09° 17′.72N 89° 23′.58E	2.2m dia & 3.5m mast	Fl(4) 15s4M	33
d)	TB 5	12° 25′.53N 88° 59′.92E	2.2m dia & 3.5m height mast	Fl(4) 15s4M	33
e)	TB 6	15° 01′.35N 90° 03′.63E	2.2m dia & 3.5m height mast	Fl(4) 15s4M	31
f)	TB 7	09° 31′.07N 85° 30′.05E	2.2m dia & 3.5m height mast	Fl(4) 15s4M	33
g)	TB 8	12° 31′.20N 85° 30′.55E	2.2m dia & 3.5m height mast with Radar Reflector	Fl(4) 15s4M	33
h)	TB 10	07° 00′.91N 87° 03′.30E	2.2m dia & 3.5m mast with metrological sensor	Fl(4) 15s4M	33
j)	TB 10A	07° 06′.28N 87° 02′.18E	2.2m dia & 3.5m height mast	Fl(4) Y.15s4M	33
* k)	TB 11	21° 33′.40N 66° 27′.70E	2.2m dia & 3.5m height mast	Fl(4)Y 15s4M	21 – 292(INT 7021)-271
* l)	TB 12	21° 00′.58N 66° 00′.40E	2.2m dia & 3.5m height mast	Fl(4)Y.15s4M	21 - 271

2. Mariners are strongly advised not to anchor or trawl in operation circle of 03NM of moored Tsunami buoys.

3. * indicates new or revised entry.

4. **Cancel former INM 169(T)/08.**

***315(T)/(10/08) INDIA-EAST AND WEST COAST – Arabian Sea – Andaman Sea – Data Buoys.**

Source: NIOT Chennai& Navarea 193/08

(HJ/1031/50)

1. Following yellow colored data buoys with radar reflector & mast carrying sensor laid in following positions.

SI No	Buoy No.	Position	Size	Characteristics	Chart affected
* a)	DS 1	15° 28′.91N 69° 14′.93E	2.2m dia & 3.5m height mast	Fl(4) Y15s4M	22(INT 752) 7705(INT 705)
b)	DS2	10° 37′.57N 72° 25′.02E	2.2m dia & 3.5m height mast	Fl(5) 20s4M	22(INT 752)- 273- 268 (INT 7353)
c)	DS3	12° 11′.35N 90° 43′.53E	2.2m dia & 3.5m height mast	Fl(4) 15s4M	33
d)	DS4	18° 23′.38N 87° 33′.25E	2.2m dia & 3.5m height mast	Fl(4) 15s4M	31
e)	DS5	14° 00′.71N 83° 15′.91E	2.2m dia & 3.5m height mast	Fl(4) 15s4M	31-32(INT 754)-33
f)	DS7	08° 18′.90N 72° 39′.67E	2.2m dia & 3.5m height mast	Fl 5s4M	23-273
* g)	SP1	13° 06′.90N 80° 43′.23E	1.2m dia & 03m height mast	Fl(4)Y 15s4M	356(INT7400)-313-3001 (INT 7402)

***315(T)/(10/08) INDIA-EAST AND WEST COAST – Arabian Sea – Andaman Sea – Data Buoys (Continued).**

Source: NIOT Chennai & NAVAREA VIII Warning 193/08
(HJ/1031/50)

* h)	SP2	13° 09′.60N 80° 43′.28E	2.2m dia & 3.5m height mast	Fl(4)Y 15s4M	356(INT7400)-313-3001 (INT 7402)
* j)	SP3	13° 10′.08N 80° 33′.38E	1.2m dia & 03m height mast	Fl(4)Y 15s4M	356(INT7400)-313-3001 (INT 7402)
* k)	SW2	17° 21′.71N 70° 41′.87E	2.2m dia & 3.5m height mast	Fl(4)Y 15s4M	22(INT 752)- 293 (INT 7022)
l)	SW3	15° 23′.63N 73° 45′.40E	03m dia & 03m height mast	Fl(5) 20s4M	22(INT 752)-214-257 (INT 7343)-293 (INT 7022) -2022(INT 7345)-2020-2078(INT 7346)
m)	SW4	12° 56′.15N 74° 46′.56E	2.2m dia & 3.5m height mast	Fl(4) 15s4M	22(INT 752)-258(INT 7348)-217-272-293 (INT 7022) 2052(INT 7350)-2002 (INT 7351)
n)	SW7	11° 52′.42N 79° 54′.28E	2.2m dia & 3.5m height mast fitted with radar reflector	Fl. Y5s4M	357(INT 7397)-3003
p)	OB 3	12° 28′.55N 72° 04′.27E	2.2m dia & 3.5m height mast	Fl(4) 15s4M	22(INT 752) – 272
q)	OB 7	08° 15′.93N 78° 36′.45E	2.2m dia & 3.5m height mast	Fl(4) 15s4M	224 - 262
r)	OB 8	11° 30′.80N 81° 28′.15E	2.2m dia & 3.5m height mast	Fl(4) 15s4M	32(INT 754) -33
s)	MB1	20° 01′.50N 67° 32′.87E	03m dia & 3.5m height mast	Fl(5) 20s4M	292(INT 7021)
t)	MB2	11° 59′.52N 67° 50′.33E	2.2m dia & 3.5m height mast	Fl(5) 20s4M	7705(INT 705)
u)	MB9	09° 58′.60N 86° 59′.42E	2.2m dia & 3.5m height mast	Fl(4) 15s4M	33
v)	MB10	12° 37′.10N 85° 06′.70E	2.2m dia & 3.5m height mast	Fl(4) 15s4M	33
w)	MB11	14° 58′.63N 87° 29′.63E	2.2m dia & 3.5m height mast	Fl(4) 15s4M	31
x)	MB 12	18° 09′.18N 90° 04′.73E	2.2m dia & 3.5m height mast	Fl(4) 15s4M	31
y)	AN 2	11° 59′.23N 91° 59′.93E	----	Fl. 5s4M	33 – 41-473(INT 7031)
z)	AN 3	10° 30′.78N 91° 39′.98E	----	Fl. 5s4M	33 – 41- 472(INT 7032)
aa)	AN 4	13° 25′.80N 93° 33′.60E	----	Fl. 5s4M	41 - 473
ab)	AN 5	09° 29′.88N 93° 14′.78E	----	Fl. 5s4M	33 – 41 – 407 - 472
ac)	AN 6	06° 54′.91N 94° 19′.85E	----	Fl. 5s4M	41 – 471 – 472
* ad)	Met Buoy	10° 37′.20N 72° 18′.00E	2.2m dia & 3.5m height mast	Fl(4)Y 15s4M	22(INT752)-273-268 (INT 7353)

2. All vessels operating in vicinity are to maintain a clearance of 1000 meters off the buoys.
3. SW6 Data buoy has been removed.
4. * indicates new or revised entry.
5. **Cancel former INM 110(T)/08.**

***316(P)/(10/08) INDIA – EAST COAST – Ports of Ennore – Jetty. Construction Work.**

Source: Ennore Port Limited
(HJ/1029/39)

1. The following Jetty/Berth are under construction at Ennore port for the purpose of loading/unloading of iron ore, coal and multipurpose liquid cargo such as chemical, carbon black and POL etc.

Sl.	Description	Coordinates	Present Status	Remarks
1.	A Permanent jetty under construction for the purpose of Multi Liquid cargo handling. Length 360m, width 25m	13° 16′.027N., 80° 21′.040E.	Under Construction	Expected to complete in Aug 2008.
		13° 16′.029N., 80° 21′.054E.		
		13° 16′.223N., 80° 21′.036E.		
		13° 16′.222N., 80° 21′.022E.		
		13° 16′.191N., 80° 21′.039E.		
		13° 16′.197N., 80° 21′.108E.		
		13° 16′.188N., 80° 21′.109E.		
		13° 16′.182N., 80° 21′.040E.		
2.	A Temporary barge jetty has been constructed for the purpose of iron ore loading. Head alignment is in direction 015°-195°. Length 7m and width 21m	13° 16′.11N., 80° 20′.51E.	Existence	Will be in place till Mar 2009.
		13° 16′.10N., 80° 20′.65E.		
3.	A Permanent jetty under construction for the purpose of coal handling. Length 360m, width 24m	13° 15′.684N., 80° 20′.560E.	Under Construction	Expected to complete in Aug 2010.
		13° 15′.683N., 80° 20′.346E.		
		13° 15′.696N., 80° 20′.346E.		
		13° 15′.697N., 80° 20′.560E.		
4.	A Permanent jetty under construction for the purpose of iron ore handling. Length 560m, width 32m	13° 15′.702N., 80° 20′.667E.	Under Construction	Expected to complete in Aug 2010.
		13° 15′.701N., 80° 20′.346E.		
		13° 15′.719N., 80° 20′.346E.		
		13° 15′.720N., 80° 20′.667E.		

2. Mariners are advised to navigate with caution in this area.

3. **Cancel former INM 323(T)/04.**

4. **Charts affected: 3028**

317(P)/(10/08) MALACCA STRAIT - Malaysia - Selat Klang Utara - Buoyage. Channels.

Source: BA Notice 2290(P)/08

(HJ/927/38)

- Dredging works have taken place in the northern approaches to Pelabuhan Klang.
- Selat Klang Utara has been dredged to a depth of 13.3m.
- The entrance section of the channel between buoys No 1 and No 3 has been realigned and widened to 360 metres to agree with the width of the inner channel. Buoy No 2 has been moved to position 3° 09′.66N., 101° 14′.80E. and buoy No 4 has been moved to position 3° 09′.67N., 101° 15′.79E.
- The fairway adjacent to the berths at Pelabuhan Utara (North Port) has been dredged to a depth of 15.5m.

BA Charts affected – 2139 – 2152 – 2155

SECTION – IV: MARINE INFORMATION

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>		

Tsunami Notices

52 (T) (01/05) INDIAN OCEAN, BAY OF BENGAL – Changes in bathymetry and Coastline.

Source: NHO, Dehradun

(HJ/NM/Gen)

Major changes likely to have occurred in topography of coastline and bathymetry in Andaman & Nicobar islands, coasts of Andhra Pradesh, Tamilnadu, Kerala, Maldives and Srilanka as a consequence of recent earthquakes followed by Tsunami waves in South Asia. Number of uncharted wrecks/obstructions may also be encountered. Mariners are advised to exercise utmost caution and contact local authorities while approaching these areas.

Charts affected: All Indian charts of Andaman & Nicobar Islands, coast of Andhra Pradesh, Tamilnadu, Kerala, Maldives and Srilanka

***88 (T) (03/05) INDIA – Nicobar Islands – Katchall Island – Approaches to East Bay – Beacon.**

Source: PMB A & N Islands

(HJ/928/76)

1. It is informed that all the three sets of beacons/buoys in East Bay including the jetty and approach has been totally damaged and sunk.
2. Mariners are advised to exercise caution and contact local port authorities for the latest information.
3. Former INM 339 (P)/04 is cancelled.

Charts affected: 4011 - 4017

***135 (T) (05/05) ANDAMAN SEA – INDIA – Little Andaman Islands – Hut Bay – Coast line. Jetty. Light.**

Source: INS Sandhayak

(HJ/1028/07)

1. It is reported that the coastline in the area had undergone drastic changes. The Hut Bay breakwater has been breached at several places. The entire approach road and breakwater light at position 10° 35'.81N., 92° 33'.83E. has been destroyed. The passenger jetty is not safe to approach as the wreck of the fallen crane is a hazard to navigation.
2. Mariners are to exercise caution while navigating through this area.

Charts affected: 4010

SECTION – V: RADIO NAVIGATIONAL WARNINGS IN FORCE

1. For details of NAVAREA limits and organization/ coordination, please refer to Notice No. 12 of the Special edition of Indian Notice to Mariners – 2004.
2. **NAVAREA Warnings in force:** - The serial numbers of all the NAVAREA warnings in force as on 12 May 08, covering the entire world are listed below against the respective NAVAREA.

<u>NAVAREA No.</u>	<u>LOCATION</u>	<u>LAST NAVAREA</u>	<u>NAVAREA IN FORCE</u>
I	N.E. Atlantic	121	2005 series: 402. 2007 series: 019 035 050 247 251 279 293 329. 2008 Series: 075 078 089 090 096 099 101 102 108 117118 119 120 121.
II	E. Atlantic	148	2008 Series: 017 066 075 105 107 112 132 136 147 148.
III	Mediterranean	228	2008 Series: 183 186 192 193 201 203 205 208 211 216 218 220 226 227 228.
IV	N.W. Atlantic	164	2007 series: 196. 2008 series: Nil.
V	W. Atlantic	269	2007 series: 1078. 2008 series: Nil.
VI	S.W. Atlantic	111	2008 series: Nil.
VII	S.E. Atlantic	060	2008 series: 005 031 032 037 044 047 053 054 055 056 057 058 060.
VIII	Indian Ocean	210	2007 Series 366 367 371 373 380 388 389 418 440 538 540 574 602 612 624 637 647 652 653 656 662 664 675 690 697 2008 Series- 008 041 047 055 070 113 118 130 132 133 140 151 152 155 156 157 158 169 170 176 177 179 182 186 187 188 192 193 195 196 198 200 202 204 205 206 208 209 210

3. NAVAREA Warnings issued during the period from 25 Apr 08 to 12 May 08 (both dates inclusive) are as tabulated below:-

<p>182. Indian Ocean – Western Part. Charts INT 70 INT 71 INT 72 INT 701 INT 703. Seismic Survey in progress by RV Akademik Aleksandr Karpinsky till 05 Jun 2008 in area bounded by :</p> <p>(a) 01-09.63S 044-37.48E (b) 04-47.93S 044-45.40E (c) 04-43.10S 046-57.43E (d) 01-16.23S 047-48.60E</p> <p>2. Vessel is towing 4450 metres array and all vessels operating in vicinity to maintain 10000 metres and give wide berth.</p> <p>3 Cancel this message on 06 Jun 2008.</p>
<p>183 to 185. Cancelled.</p>
<p>186. India East Coast-Bay Of Bengal. Charts 31 INT 706. Seismic survey is in progress by Northern Explorer in area bounded by</p> <p>(a) 14-30.0N 082-00.0E (b) 14-30.0N 083-30.0E (c) 15-30.0N 083-30.0E (d) 15-30.0N 084-30.0E (e) 14-30.0N 084-30.0E (e) 14-30.0N 085-08.0E (f) 13-30.0N 083-50.0E (g) 13-30.0N 082-00.0E</p> <p>2. Vessel towing 01 in number 8000 metres long streamer cable attached to a yellow coloured tail buoy fitted with white flashing light.</p> <p>3. All vessels operating in vicinity are to maintain a clearance of 06 NM and exercise caution.</p>

<p>187. India East Coast – Off Vishakhapatnam. Charts 31 33 352 353 INT 706. Seismic survey in progress by GGS Atlantic in area bounded by</p> <table> <tr> <td>(a) 19-00.0N</td> <td>086-30.0E</td> <td>(b)</td> <td>17-30.0N</td> <td>086-30.0E</td> </tr> <tr> <td>(c) 19-00.0N</td> <td>089-00.0E</td> <td>(d)</td> <td>17-30.0N</td> <td>089-00.0E</td> </tr> </table> <p>2. Vessel towing one in number 10050 meters long streamer cable attached to a orange tail buoy fitted with white flashing light.</p> <p>3. All vessels operating in vicinity are to keep a safe distance of 08 NM and exercise caution.</p>	(a) 19-00.0N	086-30.0E	(b)	17-30.0N	086-30.0E	(c) 19-00.0N	089-00.0E	(d)	17-30.0N	089-00.0E
(a) 19-00.0N	086-30.0E	(b)	17-30.0N	086-30.0E						
(c) 19-00.0N	089-00.0E	(d)	17-30.0N	089-00.0E						
<p>188. Indian Ocean – Arabian Basin. Charts INT 71 INT 73 INT 702 INT 703 INT 707. Sri Lankan fishing boat length 12 metre colour blue and white with 05 crew drifting since 21 Apr 2008. Last known position 09-09.0N 068-00.0E</p> <p>2. All vessels operating in vicinity to keep sharp lookout and render assistance.</p>										
<p>189 to 191. Cancelled.</p>										
<p>192. India West Coast - Kochi. Charts 22 32 220 259 260 2004 2029 2045 INT 706 . Firing exercise by Naval Coast Battery between 0330 UTC to 1530 UTC on 02 May, 06 May, 09 May, 13 May, 16 May, 20 May, 23 May, 27 May, and 30 May 2008 . Danger area bounded by</p> <table> <tr> <td>(A) 09-57.5N</td> <td>075-59.5E</td> <td>(B) 09-57.7N</td> <td>076-14.2E</td> </tr> <tr> <td>(C) 09-44.0N</td> <td>076-17.5E</td> <td>(D) 09-42.5N</td> <td>076-09.5E</td> </tr> </table> <p>2. Safe flying height 10000 metres.</p> <p>3. Cancel this message on 31 May 2008.</p>	(A) 09-57.5N	075-59.5E	(B) 09-57.7N	076-14.2E	(C) 09-44.0N	076-17.5E	(D) 09-42.5N	076-09.5E		
(A) 09-57.5N	075-59.5E	(B) 09-57.7N	076-14.2E							
(C) 09-44.0N	076-17.5E	(D) 09-42.5N	076-09.5E							
<p>193. Indian Ocean – Central Lakshadweep. Charts 22 268 273 INT 705. Yellow coloured buoy 2.2 meters dia and 3.5 meters mast fitted with Radar Reflector laid in position 10-37.20N 72-18.00E with characteristics fl.y(4)15s (04NM)</p> <p>2. All vessels operating in vicinity are to maintain a clearance and not to anchor of 0.5 NM off the buoy.</p>										
<p>194. Cancelled.</p>										
<p>195. India East Coast - Gopalpur. Charts 31 352 353 3005 INT 706. Firing exercise between 2330 UTC to 1800 UTC from 09 May to 11 May, 14 May to 17 May and 04 Jun to 07 Jun 2008. Danger area bounded by</p> <table> <tr> <td>(A) 19-14.60N</td> <td>084-53.70E</td> <td>(B) 19-37.05N</td> <td>085-27.85E</td> </tr> <tr> <td>(C) 18-46.05N</td> <td>085-22.86E</td> <td></td> <td></td> </tr> </table> <p>And Arc of 42 NM radius joining point (B) and (C)</p> <p>2. Safe flying height 6100 metres.</p> <p>3. Cancel this message on 08 Jun 2008.</p>	(A) 19-14.60N	084-53.70E	(B) 19-37.05N	085-27.85E	(C) 18-46.05N	085-22.86E				
(A) 19-14.60N	084-53.70E	(B) 19-37.05N	085-27.85E							
(C) 18-46.05N	085-22.86E									
<p>196. India East Coast- Visakhapatnam. Charts 31 32 308 354 3002 3012 INT 706. Firing exercise by Naval Coast Battery from 0001 UTC to 0200 UTC and from 1500 UTC to 1630 UTC on 07 May and 21 May 2008. Danger area bounded by</p> <table> <tr> <td>(A) 17-42.0N</td> <td>083-18.0E</td> <td>(B) 17-47.0N</td> <td>083-32.0E</td> </tr> <tr> <td>(C) 17-34.0N</td> <td>083-30.0E</td> <td>(D) 17-28.0N</td> <td>083-18.0E</td> </tr> </table> <p>2. Safe flying height 13000 metres.</p> <p>3. Cancel this message on 22 May 2008.</p>	(A) 17-42.0N	083-18.0E	(B) 17-47.0N	083-32.0E	(C) 17-34.0N	083-30.0E	(D) 17-28.0N	083-18.0E		
(A) 17-42.0N	083-18.0E	(B) 17-47.0N	083-32.0E							
(C) 17-34.0N	083-30.0E	(D) 17-28.0N	083-18.0E							
<p>197. Cancelled.</p>										
<p>198. Bay of Bengal – Off Ramayapatnam. Charts 31 32 INT 73 INT 706. Srilankan fishing vessel Sithumina-02 abandoned in position 14-14.41N., 082-33.71E.</p> <p>2. All vessels operating in vicinity to keep sharp lookout and exercise caution.</p>										
<p>199. Cancelled.</p>										
<p>200. India Andaman Sea – Central Andaman. Charts 41 INT 71 INT 73 INT 707. Black color unmanned empty steel barge 55 Metres length adrift in position 11-05.8N., 095-26.2E.</p> <p>2. Mariners to exercise caution</p>										
<p>201. Cancelled.</p>										

202.	Cancel NAVAREA Eight Message 149 167 168 173 and 189 of 2008. India East Coast– Bay of Bengal.
	Charts 31 32 33 301 351 352 353 354 355 356 357 3009 INT 706. Present position of oil rigs / drill ships as follows
	Essar Wildcat 16-41.70N 082-31.70E
	Atwood Beacon 16-41.00N 082-26.20E
	Discoverer 534 16-30.20N 082-37.00E
	Deep Water Frontier 16-29.60N 082-32.20E
	Sagar Vijay 16-35.70N 082-27.20E
	Hercules 260 16-25.40N 082-02.70E
	Deep Driller I 16-42.90N 082-28.80E
	Aban II 21-01.00N 088-15.00E
	Actinia 17-41.00N 083-17.00E
	Deep Driller – 4 20-47.50N 087-58.50E
2.	Wide berth requested.
203.	Cancelled.
204.	India East Coast- Off Ramayapatnam. Charts 31 33 INT 706. Hydrographic survey by Naval Hydrographic Vessel Nirupak from 09 May to 19 May 2008 in an area bounded by
	(a) 14-30.0N 080-00.0E (b) 13-52.0N 080-00.0E
	(c) 13-52.0N 080-30.0E (d) 14-30.0N 080-30.0E
2.	All vessels operating in vicinity to keep clearance and exercise caution.
3.	Cancel this message on 20 May 2008.
205.	Cancel NAVAREA Eight Message 163 of 2008. India West Coast – Arabian Sea. Charts 21 22 253 292 293 INT 705. Seismic survey by RV Sagar Sandhani from 09 May to 10 Jun 2008 in area bounded by
	(a) 19-45.0N 070-45.0E (b) 19-45.0N 071-22.0E
	(c) 19-17.0N 071-22.0E (d) 19-17.0N 070-45.0E
2.	Vessel towing two seismic cables of length 5000 metres each with green and yellow buoys with flashing light to mark the tail end of the cables.
3.	All vessels operating in vicinity are to maintain a clearance of 06 NM all around the vessel and exercise caution.
4.	Cancel this message on 11 Jun 2008.
206.	India West Coast - Trivandrum. Charts 22 32 222 260 INT 706. Rocket launching from Thumba Equatorial Rocket Launching Station 08-31.98N., 076-52.05E between 1200 UTC to 1400 UTC on 15 May 2008.
2.	Danger zones
	(a) Sector of radius 05 NM from Launcher between azimuth angles 190 Degree and 300 Degree.
	(b) Sector of radius 45 NM and 75 NM from the Launcher between azimuth angles 220 Degree and 260 Degree.
3.	Cancel this message on 16 May 2008.
207.	Cancelled.
208.	India West Coast- Arabian Sea. Charts 22 293 INT 71 INT 73 INT 704 INT 705. Firing practice by Naval Ships from 0230 UTC to 0830 UTC on 13 May 2008. Danger area bounded by
	(a) 16-10.0N., 069-40.0E (b) 17-10.0N., 069-40.0E
	(c) 17-10.0N., 070-30.0E (d) 16-10.0N., 070-30.0E
2.	Safe flying height 5000 Metres.
3.	Cancel this message on 14 May 2008.
209.	Srilanka West Coast – Approaches to Colombo. Charts 23 32 225 263 264 2063 BA 1655 INT 705 INT 706. Reclamation work for port expansion is in progress in area bounded by following points
	(a) 06-56.94 N., 079-50.64 E (b) 06-56.94 N., 079-50.36 E
	(c) 06-56.79 N., 079-50.25 E (d) 06-56.79 N., 079-49.66 E
	(e) 06-57.43 N., 079-49.66 E (f) 06-57.98 N., 079-50.04 E
	(g) 06-58.16 N., 079-49.86 E (h) 06-57.52 N., 079-49.20 E
	(j) 06-56.29 N., 079-49.20 E (k) 06-56.29 N., 079-50.24 E
	(l) 06-56.20 N., 079-50.40 E
2.	All vessels operating in vicinity to keep clearance and exercise caution
210.	India West Coast- Off Kasargod. Charts 22 217 258 272 INT 706. Cargo vessel MT Feroma Flag ST Kitts with 17 crew adrift in position 12-36.13 N., 074-35.95 E.
2.	All vessels operating in vicinity are to keep a sharp lookout and render assistance.

<u>NAVAREA No.</u>	<u>LOCATION</u>	<u>LAST NAVAREA</u>	<u>NAVAREA IN FORCE</u>
IX	Persian Gulf, Red Sea, NW Arabian Sea	108	2007 series: 022 027 062 092 095 106 155 168 172 200 212 263 264 274 278. 2008 series: 002 006 007 021 022 027 044 045 046 051 061 065 066 069 070 076 077 086 087 088 089 094 095 099 100 101 102 104 105 106 107 108
X	Australia, New Guinea	131	2008 series: 060 064 071 072 081 091 093 097 101 105 113 117 118 124 125 126 128 129 130 131
XI	Malacca Strait, China Sea, N. Pacific	0215	1996 series: 0925. 1998 series: 0655. 1999 series: 0053 0187 0310. 2001 series: 0182 0775. 2003 series: 0106 0304. 2004 series: 0361. 2005 series: 0271 0307. 2006 series: 0005 0250 0303 0561. 2007 series: 0002 0093 0133 0248 0253 0269 0309 0344 0366 0457 0505 0513 0519 0523 0546 0557. 2008 series: 0004 0006 0011 0014 0018 0020 0054 0061 0091 0108 0113 0156 0160 0162 0163 0180 0188 0193 0194 0196 0197 0200 0202 0203 0206 0210 0212 0214 0215.
XII	N.E. Pacific	165	2008 series: Nil
XIII	N.W. Pacific	001	2008 series: Nil
XIV	S.W. Pacific	027	2008 Series: 017 027
XV	S.E. Pacific	039	2008 Series: Nil
XVI	E. Pacific	Nil	2008 Series: Nil
Hydropacs	Pacific, Indian Ocean	830	2008 Series: 240.
Hydroplants	Atlantic, Mediterranean	741	2008 Series: 300

SECTION – VI: CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

INP 1 West Coast of India Pilot (Second Edition 2003) – INDIA WEST COAST – Jamnagar - Reliance Jamnagar Marine Terminal.

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Article 9.125

Delete Para 1,4 ,5, 7, 8, 9 &14 and insert respectively.

1 **Position.** Reliance Marine Terminal, which is part of Sikka Port comprises of five SPMs in the vicinity of 22°35'.08N., 069°49'.13E bounded by 22° 34'.00N to the South, 22° 37'.00N to North and 069° 52'.00E to East and 069° 47'.00E to West. Out of five SPMs three cater to crude import and two for product evacuation.

Reliance terminal also operates one jetty with four berths situated in the channel between Goos and Munde reefs, 3.75 miles North of Sikka village (22° 29'.08N, 069° 50'.30E).

4 **Controlling Depths.** The least depth at the crude SPMs is 30m, at the product SPMs 27m and at the berths: 13.4m. The least depth in the channel is 13.9m and the minimum under keel clearance is 1.4m.

5 **Maximum size of vessels handled.** 350,000 DWT and LOA – 345m for crude SPMs; 120,000 DWT and LOA – 252m at berth D & 150,000 DWT and LOA – 300m at product SPMs.

7 **Anchorage.** The anchorage is situated between following coordinates:

For VLCCs:

- (a) 22° 39'.0 N, 69° 53'.5 E
- (b) 22° 41'.8 N, 69° 58'.3 E
- (c) 22° 40'.0 N, 69° 58'.3 E
- (d) 22° 37'.3 N, 69° 53'.5 E

For Product Tankers:

- (a) 22° 37'.3 N, 69° 53'.5 E
- (b) 22° 40'.0 N, 69° 58'.3 E
- (c) 22° 39'.0 N, 69° 58'.3 E
- (d) 22° 36'.2 N, 69° 53'.5 E

8 **Prohibited anchorage:** The area surrounding the 5 SPMs is designated as SPM working area. Anchoring and fishing are strictly prohibited in these areas.

Submarine oil pipelines are laid between SPMs and from SPMs to the jetty. Anchoring and fishing are prohibited in the vicinity of these pipelines. The area bounded by a. 22° 31'.8N, 69° 46'.2E; b. 22° 30'.0N, 69° 46'.2E; c. 22° 27'.8N, 69° 48'.2E and the existing prohibited area contains several new pipelines carrying crude or petroleum products to and from SPMs. All vessels are to take precautions.

9 **Pilots** for the SPMs board at position (22° 34'.5N, 069° 45'.5E) and is compulsory.

Tugs (09 Nos.) are available and are compulsory.

14 **Port Authority:** Gujrat Maritime Board, GMB Complex, Suru Section Road, Jamnagar – 361 008.

SECTION – VII: CORRECTIONS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characteristics	Ht. mts.	Range miles	Structure & Height (mts)	Remarks
D7033	- W side	17 03.07 S 42 42.37 E *	Fl R 4s *	28	8	Grey Pylon 18 *	Partially obscured by vegetation *
D7326	Remove from list						
F0715	Anjengo	8 40.4 N 76 45.5 E	Fl(2)W 20s	38	19	White round concrete tower, black bands 36	*
F0754	Kiltan Island. S end	11 28.22 N 73 00.48 E	Fl W 10s	41	18	White round stone tower, red bands 41	<i>fl 0-5</i>
	--	..	Racon	..	..	..	ALRS Vol 2 Station 79055
*	*	*	*	*	*	*	*
F0754-2	Kadmat Island	11 15.43 N 72 47.44 E	Fl(4)W 20s	34	8	White frame work tower 30	<i>(fl 0-5, ec 1) x 3, fl 0-5, ec 15</i>
	-	..	Racon	..	..	..	ALRS Vol 2 Station 79057
*	*	*	*	*	*	*	*
F0754-7	Agatti Island	10 52.50 N 72 12.30 E	Fl(3)W 30s	35	10	White frame work tower 30	<i>(fl 1, ec 3) x 2, fl 1, ec 21</i>
	-	..	Racon	..	..	..	ALRS Vol 2 Station 79065
*	*	*	*	*	*	*	*
F1018	<i>-EASTERN CHANNEL Lt V</i>	21 02.94N 88 11.51E *	Fl W 10s	..	12	Red hull	Liable to be moved.
F1772-25	- Pelabuhan Kabil. Sarana Citranusa	1 06.59 N 104 08.99 E *	Fl W 2s *	10 *	* *	* *	* *

K1073-21	- (I)	6 06-37 S 106 51-82 E *	F1 R 3s *	6	5-3 *	Red □ on red beacon *	*
K1073-3	- Ldg Lts. Front (I)	6 05-83 S 106 52-85 E *	Iso W 2s	27	12	White △ on metal frame work beacon 25	*
K1073-31	- Ldg Lts. Rear. 0-59M from front (I)	6 06-43 S 106 52-84 E *	Oc WRG 4s	43	12	White ▽ on metal frame work beacon 41	<i>ec 1</i> *
K1086-62	- OWB (I)	6 13-40 S 108 22-05 E	Q W *	..	10 *	Platform	

SECTION – VIII: CORRECTION TO LIST OF RADIO SIGNALS**INP 31(1), 2005***(Last correction: Edition No. 02 dated 16 Jan 2008)***NIL****INP 31(2), 2007***(Last correction: Edition No. 09 dated 01 May 2008)***PAGE 24, OMAN section.****76240 Port Salalah Fairway Lt Buoy.**

Delete position and replace by: 16°56'.89N 54°04'.31E

BA 18/08**10/08****PAGE 32, INDIA section.**

Insert:

Kiltan Island South Lt Racon	11°28'.17N 73°00'.50E	79055
O		

Kadmat Island Lt Racon	11°15'.20N 72°47'.42E	79057
G		

Agatti Island Lt Racon	10°52'.51N 72°12'.43E	79065
B		

DLL Cochin**10/08****BA, VOLUME 3 Part 1, NP 283(1), 2006/07***(Last correction: Edition No. 15 dated 01Aug 2006)***NIL****INP 31(5), 1997***(Last correction: Edition No. 02 dated 16 Jan 2008)***PAGE 186, SRI LANKA**

Delete entry and replace by:

SRI LANKA

National SAR Agency: Sri Lanka Navy			
Address: Naval Head Quarters, Colombo, Sri Lanka			
Tel: +94 11 2421151			
Fax: +94 11 2542530			
Maritime Search and Rescue operations are co-ordinated by the Sri Lanka Navy. MRCC Colombo is manned 24 hours by a duty staff officer of the Sri Lanka Navy. Colombo Radio (4PB) maintains a continuous listening watch on 2182 kHz and VHF Ch 16 for distress calls. Galle (4PG), a remote controlled station operated from Colombo Radio maintains a continuous listening watch on VHF Ch 16 for distress calls.			
	Telephone +94	Fax +94	Others
MRCC COLOMBO	11 2445368 11 4632153 11 4632154	11 2441454 11 2449718	E--mail nhqdno@navy.lk nhqssoo@navy.lk
COLOMBO RADIO (4PB)	11 2423644 11 2350790	11 2424249	Telex +803 23277 CLORDO CE

BA 18/08**10/08****INP 31(6), 2005***(Last correction: Edition No. 08 dated 16 Apr 2008)***NIL**

SECTION – IX: REPORTING OF NAVIGATIONAL DANGERS

Instructions for raising Hydrographic Note (Form IH 102) [Enclosed with editions 1,7,13 & 19 of N to M]

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,
Post Box No. 75, Dehradun - 248 001
(UTTARAKHAND), INDIA
e-mail: - incho@dataone.in; incho_marinesafety@dataone.in
incho_navwarnings@dataone.in; incho_helpdesk@dataone.in
Fax No.: (0135) 2748373
WEB: www.hydrobharat.nic.in

Instructions for filling up Form IH 102 (Enclosed with editions 1,7,13 & 19 of N to M)

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.

To accompany Indian Notice to Mariners 312/08

BA Chart 2403

DREDGING AREA

Dredging operations will be carried out in the westbound lane of the Traffic Separation Scheme until December 2011. Navigational warning broadcasts will be made by the Vessel Traffic Service of Singapore (VTIS) to inform vessels of the dredging operation. Mariners are advised to navigate with caution, proceed at a safe speed when approaching the area and keep well clear of the working vessels. For further details see Singaporean Notice to Mariners No. 67P/2008 at [www.mpa.gov.sg/Circulars & Notices](http://www.mpa.gov.sg/Circulars%20&%20Notices) > Singaporean NTM.

To accompany Indian Notice to Mariners 312/08

BA Chart 3831

DREDGING AREA

Dredging operations will be carried out in the westbound lane of the Traffic Separation Scheme until December 2011. Navigational warning broadcasts will be made by the Vessel Traffic Service of Singapore (VTIS) to inform vessels of the dredging operation. Mariners are advised to navigate with caution, proceed at a safe speed when approaching the area and keep well clear of the working vessels. For further details see Singaporean Notice to Mariners No. 67P/2008 at [www.mpa.gov.sg/Circulars & Notices](http://www.mpa.gov.sg/Circulars%20&%20Notices) > Singaporean NTM.

To accompany Indian Notice to Mariners 312/08

BA Chart 3833

DREDGING AREA

Dredging operations will be carried out in the westbound lane of the Traffic Separation Scheme until December 2011. Navigational warning broadcasts will be made by the Vessel Traffic Service of Singapore (VTIS) to inform vessels of the dredging operation. Mariners are advised to navigate with caution, proceed at a safe speed when approaching the area and keep well clear of the working vessels. For further details see Singaporean Notice to Mariners No. 67P/2008 at [www.mpa.gov.sg/Circulars & Notices](http://www.mpa.gov.sg/Circulars%20&%20Notices) > Singaporean NTM.

To accompany Indian Notice to Mariners 312/08

BA Chart 4037

DREDGING AREA

Dredging operations will be carried out in the westbound lane of the Traffic Separation Scheme until December 2011. Navigational warning broadcasts will be made by the Vessel Traffic Service of Singapore (VTIS) to inform vessels of the dredging operation. Mariners are advised to navigate with caution, proceed at a safe speed when approaching the area and keep well clear of the working vessels. For further details see Singaporean Notice to Mariners No. 67P/2008 at www.mpa.gov.sg/>Circulars & Notices > Singaporean NTM.

To accompany Indian Notice to Mariners 312/08

BA Chart 4041

DREDGING AREA

Dredging operations will be carried out in the westbound lane of the Traffic Separation Scheme until December 2011. Navigational warning broadcasts will be made by the Vessel Traffic Service of Singapore (VTIS) to inform vessels of the dredging operation. Mariners are advised to navigate with caution, proceed at a safe speed when approaching the area and keep well clear of the working vessels. For further details see Singaporean Notice to Mariners No. 67P/2008 at www.mpa.gov.sg/>Circulars & Notices > Singaporean NTM.