



INDIAN NOTICES TO MARINERS FOR 2008

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

EDITION No. 11 DATED 01 JUN 2008

(CONTAINS NOTICES 318 TO 335)

REACH US 24 HOURS A DAY



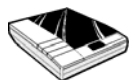
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in角度_navwarnings@dataone.in
in角度_marinesafety@dataone.in
in角度_helpdesk@dataone.in



Write to

National Hydrographic Office +91- 135 - 2748373
107-A, Rajpur Road
Dehradun – 248 001
INDIA



Fax to

+91- 135 - 2748373



Contact Person

Deputy Director of
Hydrography (DDOH)
Maritime Safety Services
+91- 135 - 2747360-65



visit

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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 PUBLICATION**

NIL

(b) **NEW INDIAN CHART**

NIL

(c) **NEW EDITION INDIAN CHART**

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title, Limits & Description</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
2083	31-05-2008	APPROACHES TO SIKKA	37 500	2	Rs. 1360.00
		<u>Limits</u> 22° 23'.00N; 69° 44'.00E. 22° 43'.00N; 69° 58'.80E.			
		RELIANCE TANKER BERTHS	5 000		
		<u>Limits</u> 22° 29'.50N; 69° 49'.75E. 22° 30'.50N; 69° 50'.75E.			

(d) **NEW REPRINT INDIAN CHARTS**

<i>Chart No.</i>	<i>Date of Publication</i>	<i>Title</i>	<i>Scale</i>	<i>Folio</i>	<i>Price</i>
2067	31-12-2003	APPROACHES TO GALLE HARBOUR	25 000	4	Rs. 1360.00
		GALLE HARBOUR	10 000		
2033	29-02-2004	SIKKA CREEK	12 500	2	Rs. 1360.00
		SIKKA CHANNEL	12 500		

(e) **INDIAN CHART PERMANENTLY WITHDRAWN**

<i>Chart to be withdrawn</i>	<i>Date of Publication</i>	<i>Main Title</i>	<i>On Publication of New Chart / Edition</i>	<i>Date of Publication</i>
2083	31-05-2001	APPROACHES TO SIKKA	2083 (NE)	31-05-2008
		RELIANCE TANKER BERTHS		

(f) **FORTHCOMING CHARTS AND PUBLICATIONS**

Chart No	Title	Scale	Remarks
2045 (INT 7360)	PORT OF KOCHI (COCHIN)	7 500	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:

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: inho@dataone.in Website: www.hydrobharat.nic.in	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	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
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SECTION – I
List of charts affected by
The Notices 318 to 335 contained in this Edition

INDIAN H.O. Chart No.	Folio No.	Notice No.	ADMIRALTY Chart No.	Folio No.	Notice No.
21	2	319	1223	40	326, 335(P)
22 (INT 752)	3	319,321	2760	46	327
23	4	331(P), 332(P)	2851	40	325
31	5	332(P)	2895	32	324
32	5	331(P)	2896	32	324, 334(P)
33	5	332(P)	2917	45	327
206	2	318	3476	46	330
225	4	331(P)	3518	40	333(T)
253(INT 7328)	2	318	3735(INT 7259)	40	323
255(INT 7334)	3	319	3737(INT 7255)	40	323
263	4	331(P)	3773	40	326, 335(P)
264	4	331(P)	3831	45	328
268(INT 7353)	4	321	3833	45	328
273	4	321	3937	45	328,329
292(INT 7021)	2	319	4041	45	328
293(INT 7022)	3	319			
301	5	322			
351	5	322			
2055	2	318			
2063	4	331(P)			
3011(INT 7421)	5	322			
3013	5	322			
7070 (INT 70)	1	320			
7071 (INT 71)	1	320			
7072 (INT 72)	1	320			
7073 (INT 73)	1	320			
7702 (INT 702)	1	320,332(P)			
7706 (INT 706)	1	332(P)			
7707 (INT 707)	1	332(P)			

SECTION – II: PERMANENT NOTICES
INDIAN HYDROGRAPHIC CHARTS AND PUBLICATIONS

*** 318/(11/08) INDIA WEST COAST –Muldwarka port - Wreck**

Source: DG COMM CENTRE and NAVAREA VIII Warning 380/07

(HJ/1130/09)

Wreck of MV Ronga

Chart 253 (INT 7328) [previous update 180/08]

Insert  PA 20° 45'·16N., 70° 38'·36E.

Chart 206[previous update 062/08]

Insert  PA 20° 45'·16N., 70° 38'·36E.

Chart 2055 [previous update 491/07] (WGS 84 Datum)

Insert  PA 20° 45'·20N., 70° 38'·34E.

*** 319/(11/08) INDIA-WEST COAST – Approaches to Mumbai – Wreck.**

Source: MRCC Mumbai and NAVAREA VIII Warning 388/07.

(HJ/1030/98)

Wreck of MV Clinker

Chart 21 [previous update 180/08]

Insert  PA 19° 02'·10N., 71° 41'·81E.

Chart 22 (INT 752) [previous update 295/08]

Insert  PA 19° 02'·10N., 71° 41'·81E.


Chart 292 (INT 7021) [previous update 180/08]

Insert  PA 19° 02'·10N., 71° 41'·81E.

Chart 293 (INT 7022) [previous update 182/08]

Insert  PA 19° 02'·10N., 71° 41'·81E.

Chart 255 (INT 7334) [previous update 180/08]

Insert  PA 19° 02'·10N., 71° 41'·81E.

* **320/(11/08) INDIAN OCEAN – Chagos Archipelago to Madagascar – Light.**

Indian Light of List Vol. D & E, 2003, D: 6881 , 6881.2

Source: Hydrographic Note INS Investigator

(HJ/732/30)

Chart 7070 (INT 70) [previous update 509/07]

Delete  16° 15′.00S., 59° 35′.40E.

Insert  Ile Raphael 16° 26′.61S., 59° 36′.40E.

Chart 7071 (INT 71) [previous update 509/07]

Delete  16° 15′.00S., 59° 35′.40E.

Insert  Ile Raphael 16° 26′.61S., 59° 36′.40E.

Chart 7072 (INT 72) [previous update 503/06]

Delete  16° 15′.00S., 59° 35′.40E.

Insert  Ile Raphael 16° 26′.61S., 59° 36′.40E.

Chart 7073 (INT 73) [previous update 509/07]

Delete  16° 15′.00S., 59° 35′.40E.

Insert  Ile Raphael 16° 26′.61S., 59° 36′.40E.

Chart 7702 (INT 702) [previous update 463/06]

Delete  16° 15′.00S., 59° 35′.40E.

Insert  Ile Raphael 16° 26′.61S., 59° 36′.40E.

* **321/(11/08) INDIAN OCEAN – Central Lakshadweep – Racon.**

Indian Light of List Vol. F & K, 2003, F: 0755.5 , 0756

Source: INS Jamuna ROS (DN -189)

(HJ/1030/07)

Chart 22 (INT 752) [previous update 319/08]

Insert  Racon(K) 10° 33′.7N., 72° 38′.9E.

Chart 273 [previous update 119/08]

Insert  Racon(K) 10° 33′.7N., 72° 38′.9E.

Amend legend 'Racon (O)' 10° 02′.3N., 72° 17′.0E.

Chart 268 (INT 7353) [previous update 205/08]

Insert  Racon(K) 10° 33′.7N., 72° 38′.9E.

Amend legend 'Racon (O)' 10° 02′.3N., 72° 17′.0E.

* 322(11/08) INDIA East Coast – Hugli River–Haldia to Kukrahati Reach - Buoys.

Source: Kolkata Port Trust

(HJ/1129/11)

Chart 351 [previous update 298/08]


Delete		Fl.(3)15s LWA		21° 41'·5N., 87° 59'·9E.
		Fl.10s SFW		21° 40'·9N., 88° 00'·1E.

Chart 301 [previous update 298/08]











Insert		Fl.G.7s. LEA		21° 44'·13N., 87° 59'·18E.
Move		Fl.(2)R 10s Middleton No. IV	from:-	21° 34'·00N., 88° 05'·12E.
			to:-	21° 33'·90N., 88° 05'·28 E.
		Q.G LM-II	from:-	21° 45'·64N., 88° 01'·48E.
			to:-	21° 45'·63N., 88° 01'·20E
		Fl.(3)15s LWA	from:-	21° 41'·82N., 87° 59'·35E.
			to:-	21° 41'·83N., 87° 59'·11E
		Fl.10s SFW	from:-	21° 40'·90N., 88° 00'·12E.
			to	21° 40'·63N., 88° 00'·08E.

Chart 3011(INT 7421) [previous update 172/08]




Insert		Fl.G.7s. LEA		21° 44'·13N., 87° 59'·18E.
Move		Fl.(2)R 10s Middleton No.IV	from:-	21° 34'·00N., 88° 05'·12E.
			to:-	21° 33'·90N., 88° 05'·28 E.
		Q.Fl.G .7s LM-II	from:-	21° 45'·64N., 88° 01'·48E.
			to:-	21° 45'·63N., 88° 01'·20E
		Q.Fl. USF	from:-	21° 59'·48N., 88° 02'·98E.
			to:-	21° 59'·59N., 88° 03'·14 E.
		Fl.10s SFW	from:-	21° 40'·90N., 88° 00'·12E.
			to	21° 40'·63N., 88° 00'·08E.

* 322(11/08) **INDIA East Coast – Hugli River–Haldia to Kukrahati Reach - Buoy.(Continued)**

Chart 3011(INT 7421) [previous update 172/08]

Move		Fl(3)15s LWA	from:-	21° 41′.51N., 87° 59′.35E.
			to:-	21° 41′.83N., 87° 59′.11E

Chart 3013 [previous update 474/07]

Move		Q.Fl. USF	from:-	21° 59′.48N., 88° 02′.98E.
			to:-	21° 59′.59N., 88° 03′.14 E.
		KF	from:-	22° 07′.22N., 88° 12′.74E.
			to:	22° 07′.17N., 88° 12′.70E.
		UK	from:-	22° 05′.38N., 88° 13′.11E.
			to:	22° 05′.43N., 88° 13′.12E.

323/(11/08) BAHRAIN - Al Manamah North-westwards - Legends.

Source: BA Notice 2414/08

(HJ/1132/69)

BA Chart 3735 (INT 7259) [previous update 233/07]

Insert	legend, Works in progress (2008), centred on:	26° 15′.15N., 50° 34′.90E.
Amend	legend, Works in progress (2008), centred on:	26° 14′.75N., 50° 34′.20E.

BA Chart 3737 (INT 7255) [previous update 190/08]

Insert	legend, Works in progress (2008), centred on:	26° 15′.20N., 50° 28′.35E.
		26° 15′.00N., 50° 34′.50E.


324/(11/08) OMAN - South-East Coast - Approaches to Port Salalah (Mina -Raysut) - Buoy. Radar beacon. Legend.

INP 31(2), 2007: 76240



Source: BA Notice 2449/08

(HJ/1032/65)

BA Chart 2895 [previous update 126/08]

Move		Mo(A)and associated radar beacon, Racon (Q),	from:	16° 56′.97N., 54° 02′.65E.
			to:	16° 56′.89N., 54° 04′.32E.

BA Chart 2896 [previous update 186/08]

Insert		Mo(A)10s	(a)	16° 56′.89N., 54° 04′.31E.
		radar beacon, Racon (Q), at light-buoy	(a) above	
		legend, See INM 334(P)/08, centred on:		16° 57′.25N., 54° 03′.00E.
Delete	former		Mo(A)10s and associated radar beacon, Racon (Q)	16° 56′.95N., 54° 02′.66E.

325/(11/08) OMAN - Port Sohar - Majis Jetty - Light.

Indian List of Light Vol D & E 2003, D- 7326

Source: BA Notice 2452/08

(HJ/1132/43)

BA Chart 2851 (plan B, Port Sohar) [previous update 040/08]Delete  Fl.R.5M 24° 29'·20N., 56° 38'·64E.**326/(11/08) KUWAIT -Mina - Ash Shuaybah South-eastwards and Mina - Al Ahmadi-North-eastwards - Legends. Buoyage.**

Source: BA Notice 2547/08

(HJ/1133/91)

BA Chart 1223 (plan A, Mina Abd Allah, Mina Ash Shuaybah and Mina-Al Ah, madi) [previous update 130/08]Amend legend to, *See INM 335(P)/08*, centred on: 29° 08'·80N., 48° 12'·60E.

29° 08'·50N., 48° 18'·70E.

29° 05'·80N., 48° 12'·80E.

29° 05'·60N., 48° 19'·80E.

29° 01'·80N., 48° 10'·90E.

Delete  *Fl(3)10s D* 29° 07'·58N., 48° 08'·64E.*Q.Y A*

29° 05'·68N., 48° 11'·50E.

*Q.Y B*

29° 06'·04N., 48° 13'·33E.

*Q.Y C*

29° 06'·48N., 48° 15'·08E.

BA Chart 1223 (plan B, Mina. Ash Shuaybah and Mina - Al Ahmadi) [previous update 130/08]Insert legend to, *See INM 335(P)/08*, centred on: 29° 03'·970N., 48° 10'·150E.Amend legend to, *See INM 335(P)/08*, centred on: 29° 01'·950N., 48° 10'·650E.**BA Chart 3773** [previous update 533/07]Amend legend to, *See INM 335(P)/08*, centred on: 29° 08'·80N., 48° 13'·20E.

29° 06'·20N., 48° 20'·00E.

Delete  *Q.Y* 29° 06'·50N., 48° 15'·10E.

29° 06'·05N., 48° 13'·30E.

29° 05'·68N., 48° 11'·50E.

327/(11/08) INDONESIA - Sumatera - West Coast - Sibolga - Light.

Indian List of Light Vol F & K 2003, F- 1264

Source: BA Notice 2488/08

(HJ/928/11)

BA Chart 2760 [previous update 194/08]

Amend light to, Fl.12M 1° 44'·5N., 98° 46'·3E.

BA Chart 2917(plan C, Sibolga) [previous update 079/08]

Amend range of light to, 12M 1° 44'·480N., 98° 46'·332E.

BA Chart 2917 (plan D, Teluk Tapanuli) [previous update 079/08]






Amend range of light to, 12M 1° 44'·48N., 98° 46'·33E.

328/(11/08) INDONESIA -Sumatera - Pulau Batam - Batuampar - Buoyage.

Source: BA Notice 2596/08

(HJ/927/16)









BA Chart 3831 [previous update 312/08]

Insert		<i>LFl.10s</i>		$1^{\circ} 10' \cdot 19N., 103^{\circ} 58' \cdot 62E.$
		<i>Fl.R.3s No.2</i>		$1^{\circ} 10' \cdot 07N., 103^{\circ} 59' \cdot 43E.$
Substitute		<i>Fl.G.3s No.1for</i>		<i>Fl.G.3s</i> $1^{\circ} 09' \cdot 96N., 103^{\circ} 59' \cdot 31E.$
Delete		<i>Fl.R.3s</i>		$1^{\circ} 10' \cdot 32N., 103^{\circ} 59' \cdot 54E.$














BA Chart 3833 [previous update 312/08]

Insert		<i>LFl.10s</i>		$1^{\circ} 10' \cdot 19N., 103^{\circ} 58' \cdot 62E.$
		<i>Fl.R.3s No.2</i>		$1^{\circ} 10' \cdot 07N., 103^{\circ} 59' \cdot 43E.$
Substitute		<i>Fl.G.3s No.1for</i>		<i>Fl.G.3s</i> $1^{\circ} 09' \cdot 96N., 103^{\circ} 59' \cdot 31E.$
Delete		<i>Fl.R.3s</i>		$1^{\circ} 10' \cdot 32N., 103^{\circ} 59' \cdot 54E.$

BA Chart 3937 (plan B, Batuampar) [previous update 277/08]

Insert		<i>Fl.R.3s No.2</i>		$1^{\circ} 10' \cdot 102N., 103^{\circ} 59' \cdot 311E.$
		<i>Fl.R.No.4</i>		$1^{\circ} 10' \cdot 093N., 103^{\circ} 59' \cdot 619E.$
				$1^{\circ} 09' \cdot 553N., 103^{\circ} 59' \cdot 025E.$
Substitute		<i>Fl.G.3s No.1for</i>		<i>Fl.G.3s</i> $1^{\circ} 09' \cdot 973N., 103^{\circ} 59' \cdot 195E.$
		<i>Fl.G.4s No.3for</i>		<i>Fl.G.3s</i> $1^{\circ} 09' \cdot 943N., 103^{\circ} 59' \cdot 545E.$
Delete		<i>Fl.R.3s</i>		$1^{\circ} 10' \cdot 097N., 103^{\circ} 59' \cdot 494E.$
				$1^{\circ} 10' \cdot 353N., 103^{\circ} 59' \cdot 420E.$


BA Chart 4041 [previous update 312/08]

Insert		<i>LFl.10s</i>		$1^{\circ} 10' \cdot 19N., 103^{\circ} 58' \cdot 62E.$
		<i>Fl.R.3s No.2</i>	(a)	$1^{\circ} 10' \cdot 07N., 103^{\circ} 59' \cdot 43E.$
		<i>Fl.R.No.4</i>		$1^{\circ} 10' \cdot 06N., 103^{\circ} 59' \cdot 73E.$
				$1^{\circ} 09' \cdot 52N., 103^{\circ} 59' \cdot 14E.$
				$1^{\circ} 09' \cdot 35N., 103^{\circ} 59' \cdot 47E.$
				$1^{\circ} 09' \cdot 41N., 103^{\circ} 59' \cdot 11E.$
				$1^{\circ} 09' \cdot 25N., 103^{\circ} 59' \cdot 45E.$
Substitute		<i>Fl.G.3s No.1for</i>		<i>Fl.G.3s</i> $1^{\circ} 09' \cdot 95N., 103^{\circ} 59' \cdot 32E.$
		<i>Fl.G.4s No.3for</i>		<i>Fl.G.3s</i> $1^{\circ} 09' \cdot 92N., 103^{\circ} 59' \cdot 67E.$
Delete		<i>Fl.R.3s, close E of:</i>	(a) above	
		<i>Fl.R.3s</i>		$1^{\circ} 10' \cdot 32N., 103^{\circ} 59' \cdot 54E.$

329/(11/08) INDONESIA - Sumatera - East Coast - Pulau Batam - Approaches to Kabil - Buoy.

Source: BA Notice 2595/08



*(HJ/927/15)***BA Chart 3937(plan D, Tanjunguban and Approaches) [previous update 328/08]**

Move		<i>Fl(2)5s,</i>	<i>from:</i>	1° 03′.76N., 104° 08′.68E.
			<i>to:</i>	1° 03′.79N., 104° 08′.56E.

330/(11/08) INDONESIA - Sumatera - East Coast - Entrance to Sungai Palembang - Buoyage.

Source: BA Notice 2501/08

*(HJ/827/75)***BA Chart 3476 (Panel A) [previous update 245/08]**

Insert		<i>Fl.R.5s</i>	2° 15′.00S., 104° 55′.44E.
		<i>Fl.7s</i>	2° 12′.22S., 104° 55′.41E.
Delete		<i>Fl.R.5s</i>	2° 13′.62S., 104° 55′.68E.

SECTION – III: TEMPORARY AND PRELIMINARY NOTICES

***331(P)/(11/08) SRILANKA – West Coast – Approaches to Colombo – Construction Work.**

Source: Sri Lanka Port Authority & NAVAREA VIII Warning – 209/08.

(HJ/930/60)

1. Reclamation work for Port Expansion is in progress in area bounded by the following co-ordinates:

6° 56′.941N., 79° 50′.642E.

6° 56′.940N., 79° 50′.364E.

6° 56′.789N., 79° 50′.255E.

6° 56′.788N., 79° 49′.660E.

6° 57′.435N., 79° 49′.659E.

6° 57′.978N., 79° 50′.039E.

6° 58′.164N., 79° 49′.857E.

6° 57′.516N., 79° 49′.197E.

6° 56′.292N., 79° 49′.200E.

6° 56′.294N., 79° 50′.236E.

6° 56′.197N., 79° 50′.398E.

2. Mariners to exercise caution.

Charts affected – 23 – 32 – 225 – 263 – 264 – 2063.

332(P)/(11/08) INDIAN OCEAN - Data buoys.

Source: BA Notice 2538(T)/08

(HJ/1029/40)

1. The National Oceanic and Atmospheric Administration (NOAA) maintains an array of buoys called Autonomous Temperature Line Acquisition System (ATLAS) in the Indian Ocean.

2. The ATLAS buoys, orange and white bands, Q(2-3 metre toroid buoy), which make up the array are located in the following positions:

14° 58′.8N., 89° 59′.4E.

11° 55′.8N., 89° 55′.8E.

8° 01′.2N., 89° 00′.6E.

3° 58′.8N., 89° 35′.4E.

1° 34′.2N., 90° 05′.4E.

1° 34′.2N., 80° 33′.6E.

0° 02′.4N., 89° 49′.2E.

0° 01′.2N., 80° 31′.8E.

1° 30′.0S., 80° 32′.4E.

7° 56′.4S., 67° 02′.4E.

3. Mariners are advised to give all mooring positions a 5 nautical mile wide berth.

- 4. Cancel former INM 312(T)/07.**

Charts affected – 23 – 31 – 33 -7702 (INT 702) - 7706 (INT 706) - 7707 (INT 707).

333(T)/(11/08) OMAN - Port Sultan Qa-boos - Depths.

Source: BA Notice 2554(T)/08

(HJ/1132/31)

1. Mariners are advised that depths of 12.3m exist within the Port Sultan Qa-boos 13.0m dredged area (23° 37'·5N., 58° 34'·3E.).

BA Chart affected – 3518.**334(P)/(11/08) OMAN - South-East Coast - Approaches to Port Salalah (Mina -Raysut) - Buoyage. Channel.**

Source: BA Notice 2448(P)/08

(HJ/1032/65)

1. The approach channel to Port Salalah (Mina -Raysut) and associated buoyage has been amended as follows: (All positions are referred to WGS72 Datum)

a) The starboard hand limit of the channel is permanently established and marked by buoys as follows:

<i>Name</i>	<i>Shape and Light</i>	<i>Position</i>
SE corner of container terminal		16° 57'·06N., 54° 01'·17E.
Starboard inner buoy	Green conical buoy, Fl.G.5s	16° 57'·24N., 54° 01'·55E.
B5 buoy	Green conical buoy, LFl.G.6s	16° 57'·40N., 54° 02'·03E.
Starboard mid buoy	Green conical buoy, Q.G	16° 57'·41N., 54° 02'·54E.
Starboard outer buoy	Green conical buoy, Fl(2)G.4s	16° 57'·27N., 54° 03'·47E.

b) The port hand limit of the channel is temporarily established and marked by buoys as follows:

<i>Name</i>	<i>Shape and Light</i>	<i>Position</i>
Port inner buoy	Red can buoy, Fl.R.5s	16° 57'·14N., 54° 01'·68E.
B6 buoy	Red can buoy, LFl.R.6s	16° 57'·26N., 54° 02'·07E.
Port mid buoy	Red can buoy, Q.R	16° 57'·29N., 54° 02'·51E.
Port outer buoy	Red can buoy, Fl(2)R.4s	16° 57'·15N., 54° 03'·44E.

2. Mariners are advised to contact the port authority for the latest information.

BA Charts affected – 2896

335(P)/(11/08) KUWAIT - Mina - Ash Shuaybah South-eastwards and Mina - Al Ahmadi-North-eastwards - Dredging area. Buoyage. Submarine pipelines. Piers. Works.

Source: BA Notice 2546(P)/08

(HJ/1133/91)

1. The Kuwait Oil Company is constructing new crude oil export facilities within the three areas detailed below: (All positions are referred to WGS84 Datum)

a. Area 1 - dredging, pipe laying, diving operations and buoyage within an area bounded by the following positions:

29° 08'·50N., 48° 07'·95E.(shore)

29° 09'·50N., 48° 10'·00E.

29° 09'·00N., 48° 21'·00E.

29° 05'·00N., 48° 21'·00E.

29° 05'·00N., 48° 12'·00E.

29° 04'·20N., 48° 08'·95E.(shore)

b. The following SPMs have been laid within Area 1:

No 23 29° 07'·52N., 48° 15'·76E. Temporary light Mo(U)15s, Fog Horn Mo(U)30s

No 24 29° 08'·45N., 48° 17'·44E. Temporary light Mo(U)15s, Fog Horn Mo(U)30s

c. Pipelines will be laid from these SPMs to the coast and will be marked by yellow spar buoys with topmarks and yellow Mo(U)15s lights.

d. Area 2 - the extension of the Petroleum Products Pier (Berths Nos 34 & 35) within an area bounded by the following positions:

29° 02'·23N., 48° 09'·85E.(pier)

29° 02'·50N., 48° 10'·41E.(pier)

29° 01'·80N., 48° 10'·83E.

29° 01'·80N., 48° 09'·45E.(shore)

*e. Area 3 - the expansion of the New Oil Pier (Berths Nos 5 & 6) within an area bounded by the following positions:

29° 03'·70N., 48° 10'·08E.(pier)

29° 04'·26N., 48° 09'·87E.

29° 04'·43N., 48° 09'·97E.

29° 04'·48N., 48° 10'·11E.

29° 04'·14N., 48° 10'·24E.(pier)

2. Numerous vessels are involved with the construction operations. Mariners are requested to give them a wide berth and to navigate with extreme caution within these areas.

3. Cancel former INM 489(P)/07.

* indicates new or revised entry.

BA Charts affected – BA Charts 1223 – 3773.

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 27 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	139	2005 series: 402. 2007 series: 019 035 050 247 251 279 293 329. 2008 Series: 089 090 099 101 102 108 124 126 132 136 137 138 139.
II	E. Atlantic	160	2008 Series: 017 075 107 112 132 152 156 157 158 159 160.
III	Mediterranean	242	2008 Series: 192 193 201 203 205 211 218 226 227 229 230 231 234 236 237 238 239 241 242.
IV	N.W. Atlantic	185	2007 series: 196. 2008 series: Nil.
V	W. Atlantic	329	2007 series: 1078. 2008 series: Nil.
VI	S.W. Atlantic	128	2008 series: Nil.
VII	S.E. Atlantic	074	2008 series: 031 047 054 055 056 060 064 069 070 073 074.
VIII	Indian Ocean	228	2007 Series – 373 380 388 389 418 440 538 540 574 602 612 624 637 647 652 653 662 675 690 697. 2008 Series- 008 041 047 055 070 113 118 132 133 151 152 156 157 169 170 176 182 186 187 188 192 195 198 200 202 205 209 210 212 214 221 222 223 226 228.

3. NAVAREA Warnings issued during the period from 13 May 08 to 27 May 08 (both dates inclusive) are as tabulated below:-

211. Cancelled.
212. India West Coast – Approaches To Mumbai. Charts 21 22 211 255 292 293 2015 2016 INT 705. Pre-lay engineering survey is in progress by RV Fugro Gauss till 31 May 2008 in area bounded by (a) 18-56.12N 072-47.54E (b) 18-56.61N 071-45.77E (c) 18-16.82N 068-11.03E 2. Vessel towing a submersible sub equipment of length 1000 Meters. 3. All vessels operating in vicinity are to maintain a clearance of 02 NM all around the vessel and exercise caution 4. Cancel this message on 01 Jun 2008.
213. Cancelled.

<p>214. Cancel NAVAREA Eight message 177 of 2008. India West Coast – Arabian Sea. Charts 21 22 202 211 251 253 255 271 291 292 293 INT 705 INT 706. Present position of oil rigs / drill ships as follows</p> <table border="0"> <tr><td>ABAN III</td><td>19-28.40N</td><td>071-12.62E</td></tr> <tr><td>BADRINATH</td><td>20-18.23N</td><td>070-00.03E</td></tr> <tr><td>FRONTIER ICE</td><td>17-21.90N</td><td>072-15.16E</td></tr> <tr><td>HITDRILL - 1</td><td>18-36.16N</td><td>071-01.65E</td></tr> <tr><td>JT ANGEL</td><td>19-15.28N</td><td>071-21.25E</td></tr> <tr><td>KEDARNATH</td><td>19-25.00N</td><td>072-08.90E</td></tr> <tr><td>NOBLE CHARLIE YESTER</td><td>19-28.15N</td><td>071-14.63E</td></tr> <tr><td>NOBLE ED HOLT</td><td>19-29.72N</td><td>071-22.90E</td></tr> <tr><td>PRIDE PENNSYLVANIA</td><td>19-19.45N</td><td>071-14.10E</td></tr> <tr><td>PRIDE HAWAI</td><td>18-31.88N</td><td>072-16.73E</td></tr> <tr><td>RON TAPMEYER</td><td>19-11.99N</td><td>072-11.00E</td></tr> <tr><td>RONDOLF YOST</td><td>18-30.06N</td><td>072-15.95E</td></tr> <tr><td>SAGAR GAURAV</td><td>19-40.42N</td><td>071-19.37E</td></tr> <tr><td>SAGAR LAXMI</td><td>18-36.15N</td><td>071-01.63E</td></tr> <tr><td>SAGAR PRAGATI</td><td>18-41.47N</td><td>072-20.88E</td></tr> <tr><td>SAGER RATNA</td><td>19-40.15N</td><td>072-00.34E</td></tr> <tr><td>SAGAR SAMRAT</td><td>19-32.13N</td><td>071-18.82E</td></tr> <tr><td>SAGAR SHAKTI</td><td>19-17.17N</td><td>071-25.47E</td></tr> <tr><td>SAGAR UDAY</td><td>19-16.25N</td><td>071-29.06E</td></tr> <tr><td>TRIDENT – 2</td><td>19-26.06N</td><td>071-24.26E</td></tr> <tr><td>TRIDENT – 12</td><td>19-25.23N</td><td>071-16.98E</td></tr> <tr><td>ENSCO-50</td><td>19-18.23N</td><td>072-02.75E</td></tr> <tr><td>ENSCO-53</td><td>19-18.78N</td><td>071-56.81E</td></tr> <tr><td>C KIRK RHEIN JR</td><td>19-33.00N</td><td>070-40.00E</td></tr> </table> <p>2. Wide berth requested.</p>			ABAN III	19-28.40N	071-12.62E	BADRINATH	20-18.23N	070-00.03E	FRONTIER ICE	17-21.90N	072-15.16E	HITDRILL - 1	18-36.16N	071-01.65E	JT ANGEL	19-15.28N	071-21.25E	KEDARNATH	19-25.00N	072-08.90E	NOBLE CHARLIE YESTER	19-28.15N	071-14.63E	NOBLE ED HOLT	19-29.72N	071-22.90E	PRIDE PENNSYLVANIA	19-19.45N	071-14.10E	PRIDE HAWAI	18-31.88N	072-16.73E	RON TAPMEYER	19-11.99N	072-11.00E	RONDOLF YOST	18-30.06N	072-15.95E	SAGAR GAURAV	19-40.42N	071-19.37E	SAGAR LAXMI	18-36.15N	071-01.63E	SAGAR PRAGATI	18-41.47N	072-20.88E	SAGER RATNA	19-40.15N	072-00.34E	SAGAR SAMRAT	19-32.13N	071-18.82E	SAGAR SHAKTI	19-17.17N	071-25.47E	SAGAR UDAY	19-16.25N	071-29.06E	TRIDENT – 2	19-26.06N	071-24.26E	TRIDENT – 12	19-25.23N	071-16.98E	ENSCO-50	19-18.23N	072-02.75E	ENSCO-53	19-18.78N	071-56.81E	C KIRK RHEIN JR	19-33.00N	070-40.00E
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<p>215 to 220. Cancelled.</p>																																																																										
<p>221. India West Coast –Mormugao Port. Charts 22 214 215 257 293 2022 2078 INT 705. Orange colour marking buoy 2.5 metre height and 1.5 metre diameter with flashing solar lamp adrift from position 15-18.54N 073-41.51E.</p> <p>2. Mariners To Exercise Caution.</p>																																																																										
<p>222. Cancel NAVAREA Eight Message 155 of 2008. India Andaman Islands – Andaman sea. Charts 33 41 402 403 404 405 472 473 INT 706. Seismic survey is in progress by vessel Geco Topaz till 05 Jun 2008 in area bounded by</p> <table border="0"> <tr><td>(A) 11-13.0N</td><td>093-06.0E</td><td>(B) 11-45.0N</td><td>093-06.0E</td></tr> <tr><td>(C) 11-45.0N</td><td>093-11.0E</td><td>(D) 12-17.0N</td><td>093-11.0E</td></tr> <tr><td>(E) 13-34.0N</td><td>094-27.0E</td><td>(F) 13-45.0N</td><td>095-03.0E</td></tr> <tr><td>(G) 12-54.0N</td><td>095-39.0E</td><td>(H) 11-13.0N</td><td>093-30.0E</td></tr> </table> <p>2. Vessel towing 08 in number 7500 metres long seismic cable marked with a buoy with white flashing light at end of cable.</p> <p>3. All vessels operating in vicinity to give 06 NM clearance and exercise caution.</p> <p>4. Cancel this message on 06 Jun 2008.</p>			(A) 11-13.0N	093-06.0E	(B) 11-45.0N	093-06.0E	(C) 11-45.0N	093-11.0E	(D) 12-17.0N	093-11.0E	(E) 13-34.0N	094-27.0E	(F) 13-45.0N	095-03.0E	(G) 12-54.0N	095-39.0E	(H) 11-13.0N	093-30.0E																																																								
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<p>223. India West Coast – Mormugao . Charts 22 214 215 257 293 2009 INT 705 INT 706. Firing practice by Naval Aircraft between 0230 UTC to 1230 UTC from 01 Jun to 07 Jun and 14 Jun to 21 Jun 2008. Danger area bounded by:</p> <table border="0"> <tr><td>(A) 15-13.0N</td><td>073-57.0E</td><td>(B) 15-13.0N</td><td>073-52.0E</td></tr> <tr><td>(C) 15-11.0N</td><td>073-52.0E</td><td>(D) 15-11.0N</td><td>073-57.0E</td></tr> </table> <p>2. Safe Flying Height 3500 Metres</p> <p>3. Cancel this Message On 22 Jun 2008</p>			(A) 15-13.0N	073-57.0E	(B) 15-13.0N	073-52.0E	(C) 15-11.0N	073-52.0E	(D) 15-11.0N	073-57.0E																																																																
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<p>224 to 225 Cancelled.</p>																																																																										
<p>226. India East Coast- Chennai. Charts 32 33 313 356 357 3001 3004 INT 706. Firing exercise by Naval Coast Battery 13-07.17N., 080-18.70E between 0530 UTC to 0730 UTC on 30 May 2008.</p> <p>2. Danger zone Sector of radius 11 NM from gun position between 045 degree and 075 degree.</p> <p>3. Safe flying height 12800 meters.</p> <p>4. Cancel this message on 31 May 2008.</p>																																																																										

227.	Cancelled.
228.	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 03 Jun, 06 Jun, 10 Jun ,13 Jun ,17 Jun ,20 Jun, 24 Jun and 27 Jun 2008. Danger area bounded by (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 2. Safe flying height 10000 metres 3. Cancel this message on 28 Jun 2008

<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	156	2008 series: 117 126 128 130 131 137 138 143 144 149 150 153 154 155 156.
XI	Malacca Strait, China Sea, N. Pacific	0235	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 0163 0180 0194 0196 0197 0206 0210 0215 0219 0220 0222 0225 0230 0232 0233 0234 0235.
XII	N.E. Pacific	185	2008 series: Nil
XIII	N.W. Pacific	004	2008 series: Nil
XIV	S.W. Pacific	030	2008 Series: 017 027
XV	S.E. Pacific	052	2008 Series: Nil
XVI	E. Pacific	Nil	2008 Series: Nil
Hydropacs	Pacific, Indian Ocean	964	2008 Series: 240.
Hydroplants	Atlantic, Mediterranean	847	2008 Series: 300

SECTION – VI: CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

NIL

SECTION – VII: CORRECTIONS TO LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Characte ristics	Ht. mts	Range miles	Structure & Height (mts)	Remarks
D6881	Ile Raphael	16 26.61 S 59 36.40 E *	F W	..	8	MET Tower *	Occas
D6881.2	Remove from list						
D7026-5	Île Europa	22 19.14 S 40 20.37 E *	Fl R 4s *	22 *	8 *	Round pylon 17 *	<i>fl I</i> *
D7073	- NW side. Meteorological Station (F)	15 53.26 S 54 31.21 E *	Fl R 4s *	16 *	8 *	White pylon on building 10	<i>fl I</i>
D7080	- Entrance Ldg Lts 102.5°. Front	20 56.26 S 55 17.29 E *	Q W	20	8	White □, black stripe, orange border, on white pylon 11 *	Vis 097.8°-106.8°(9°) *
D7080-1	- Entrance Ldg Lts 102.5°. Rear. 80m from front	20 56.27 S 55 17.34 E *	Q W	28	8	White □, black stripe, orange border, on white pylon 17 *	Vis 097.8°-106.8°(9°) *
D7082-31	Remove from list						
D7083	- S Basin. Ldg Lts 189°. Front	20 56.45 S 55 17.15 E *	Iso G 4s *	18	4	White □, black stripe, on green pylon 10 *	Vis 175°-230°(55°)
D7083-1	- S Basin. Ldg Lts 189°. Rear. 60m from front	20 56.49 S 55 17.14 E *	Iso G 4s *	21	4	White □, black stripe, on green pylon 12 *	Vis 175°-230°(55°)

D7083-4	- Darse de Pêche. Ldg Lts 265·5°. Front	20 56·30 S 55 16·98 E	Q G	11	3	White \square , black stripe, on white column 7	Vis 261·2°-270·2°(9°)
	*	*	*				*
D7083-41	- Darse de Pêche. Ldg Lts 265·5°. Rear. 35m from front	20 56·31 S 55 16·96 E	Q G	13	3	White \square , black stripe, on white column 4	Vis 261·2°-270·2°(9°)
	*	*	*				*
D7083-9	- E Dock. Ldg Lts 085°. Front	20 55·86 S 55 19·66 E	Q R	22	3	Red \square , on white pylon 20	Vis 080·5°-089·5°(9°)
		*	*	*	*		*
D7083-91	- E Dock. Ldg Lts 085°. Rear. 100m from front	20 55·86 S 55 19·72 E	Q R	29	3	Red \square , on white pylon 13	Vis 080·5°-089·5°(9°)
	*	*	*	*	*		*
D7090-5	Saint Leu. Dir Lt 115°	21 09·80 S 55 17·20 E	Dir Oc WRG 4s	7	W11 R8 G8	..	G107·5°-113·5°(6°), W113·5°-116·5°(3°), R116·5°-122·5°(6°)
	*	*	*	*	*		
D7091-2	- E Jetty. Head	21 03·29 S 55 13·35 E	Oc(2)WR 6s	9	W7 R5	White structure , red top 8	<i>ec 1, lt 1, ec 1, lt 3.</i> W135°-144°(9°), R144°-135°(351°)
	*	*	*	*			*
D7091-4	- Ldg Lts 161°. Front	21 03·35 S 55 13·36 E	Q W	4	4	White column, green top	Vis 156·5°-165·5°(9°)
	*	*		*			*
D7091-41	- Ldg Lts 161°. Rear. 45m from front	21 03·37 S 55 13·37 E	Q W	8	8	White column, green top	Vis 156·5°-165·5°(9°)
	*	*		*	*		*
D7119-4	- Port Alfred. Pointe Seince. Ldg Lts 296°. Front (F)	46 25·50 S 51 52·00 E	Q G	49	2	White beacon, black stripe, red border	
	*	*	*	*	*	*	

D7119-41	- Port Alfred. Pointe Seince. Ldg Lts 296°. Rear. 70m from front (F)	46 25-50 S 51 52-00 E	Q G	57	2	White beacon, black stripe, red border	
	*	*	*	*	*	*	
D7119-5	- Port Alfred. Pointe Lieutard. Ldg Lts 212°. Front (F)	46 25-80 S 51 52-50 E	Q R	50	2	Red and white chequered beacon	
	*	*	*	*	*	*	
D7119-51	- Port Alfred. Pointe Lieutard. Ldg Lts 212°. Rear. 46m from front (F)	46 25-80 S 51 52-50 E	Q R	58	2	Red and white chequered beacon	
	*	*	*	*	*	*	
D7260	- Ldg Lts 138°. Front	11 17-11 N 49 10-80 E	Q R	..	8	Red△ on white post	PA
	*	*	*	*	*	*	*
D7260-1	- Ldg Lts 138°. Rear. 200m from front	11 17-07 N 49 10-83 E	Iso R 4s	..	10	Red▽ on white post	PA
	*	*	*	*	*	*	*
D7318-185	- LNG Terminal	22 39-59 N 59 24-54 E	Aero 2F R	50	10	Tank 50	Obstruction
	- - 50m from other tank	..	Aero 2F R	50	10	Tank 50	Obstruction
		*	*	*		*	*
D7324-65	- Entrance. No 2	23 50-33 N 57 32-84 E	Q R	6	3	Red △ on green pile	Ra refl. TE 2008
	*					*	*
D7324-7	- Entrance. No 3	23 50-13 N 57 32-61 E	Fl G 4s	6	3	Green△ on green pile	Ra refl. TE 2008
	*	*					*
D7324-8	- Entrance. No 5	23 50-05 N 57 32-54 E	Fl G 4s	6	3	Green□ on green pile	Ra refl. TE 2008
	*	*				*	*

D7325-2	- Dir Lt 270°	23 49·78 N 57 31·47 E	Dir Iso WRG 2s	13	2	White \diamond ,on black pile	G267·5°-268·8°(1·3°), W268·8°-270·8°(2°), R270·8°-271·7°(0·9°). TE 2008
		*					*
D7325-35	- N Breakwater. Spur. Head. No 11	23 49·82 N 57 31·74 E	Fl G 4s	7	3	Grey metal mast 4	TE 2008
		*					*
E6021	Ra's Muḥajjarah	29 48·61 N 32 28·18 E	Fl(4)W 15s	43	18	White daymark on framework tower 39	
	-	..	Racon	..	..	..	ALRS Vol 2 Station 74980
	*						*
E6021-2	Qād al Tawīla	29 47·81 N 32 38·42 E	Fl W 10s	47	18	White daymark on framework tower 39	
	-	..	Racon	..	..	..	ALRS Vol 2 Station 75430
	*						*
E6021-55	<i>No 1 Lt F</i>	29 39·49 N 32 32·42 E	LFl W 10s	6	9	Red \circ on red and white striped float	
	-	..	Racon	..	..	..	ALRS Vol 2 Station 74920
							*
E6023-6	Ra's Rawāhimī	28 43·20 N 32 49·41 E	Fl(3)W 20s	22	15	Black GRP tower 10	
	-	..	Racon	..	..	..	ALRS Vol 2 Station 74740
	*						*
E6029-5	<i>Ra's Shukheir Lt F</i>	28 09·54 N 33 20·39 E	Mo(A)W 10s	..	12	Red \circ on red and white striped float 14	
	-	..	Racon	..	..	..	ALRS Vol 2 Station 74530
	*						*

E6037	Jazīrat Shākir. SE Point	27 27.17 N 34 02.25 E	Fl(2)W 20s	37	22	White round stone tower, black stripe, white dwelling, black stripes	Vis 187°-100°(273°)
	--	..	Racon	..	..	..	ALRS Vol 2 Station 74330
	*						*
F0381-4	SPM-3	22 36.57 N 69 49.92 E	Lit	..	..	..	Platform
*	*	*	*	*	*	*	*
F0381-45	SPM-4	22 35.40 N 69 51.85 E	Lit	..	..	..	Platform
*	*	*	*	*	*	*	*
F0644	- Hospital Compound	14 16.50 N 74 26.60 E	Fl W 1.5s	32	8	Mast 15	<i>fl 0.5.</i> Vis 344°-164° (180°) except where obscured by vegetation when bearing less than 035°. Shown 16/9 to 15/6. Fl W 15s 18M on trial (T) 2008
		*					*
F0755.5	Kavaratti Island	10 33.7 N 72 38.9 E	Fl W 5s	40	18	White concrete tower 38	<i>fl 0.3</i>
	-	..	Racon K	..	..	..	ALRS Vol 2 Station 79060
*	*	*	*	*	*	*	*
F0756	Cheriyakara Island	10 02.30 N 72 17.00 E	Fl(2)W20 s	36	19	White metal column, red bands 37	Vis 207°-199° (352°).
	-	..	Racon O	..	..	..	ALRS Vol 2 Station 79070
*	*	*	*	*	*	*	*
F1202	-Ross Island	13 17.9 N 93 04.6 E	Fl(2)W20 s	40	10	White Square masonry tower, 7	<i>fl 1, ec 2, fl 1, ec 16</i>
						*	
F1202.2	--Brush Island	13 17.6 N 93 03.1 E	Fl W 5s	13	5	A white circular concrete structure	
		*				*	*

F1202.8	Andaman Strait. Baratang Island. Near S end	12 04·90 N 92 47·60 E	Fl W 5s	54	8	White metal framework tower, black bands 14	<i>fl 0.5. Vis 216°-006°(150°).</i> TE 2008	*
F1417	Tg Manggung	0 48·40 N 103 08·33 E	Fl W 5s	16	10	White metal framework structure 15	<i>fl 0.3. Ra refl.</i> Reported missing (T) 2008	*
F1772.4	- KABIL. Ldg Lts 197°53'. Front *	1 03·22 N 104 08·45 E *	Q W	15	15	△ on white beacon *	*	*
K0821	- PORT AUX FRANÇAIS. Ldg Lts 058°. Front (F) *	49 21·28 S 70 13·64 E *	Dir Q G	8	12	Black and white chequered beacon *	*	*
K0821-1	- PORT AUX FRANÇAIS. Ldg Lts 058°. Rear. 700m from front (F) *	49 21·07 S 70 14·16 E *	Dir Q G	20	12	Black and white chequered beacon *	*	*
K0821-4	- PORT AUX FRANÇAIS. Anchorage Lts in line 329°. Front (F) *	49 21·29 S 70 12·47 E *	Dir Q R	7	12	White beacon, red stripe *	*	*
K0822	- Pointe Hosken. Mouillage du Ribault. Ldg Lts 246·5°. Front (F) *	37 48·15 S 77 34·78 E *	Q R	..	2	Red and white chequered beacon *	Occas	
K0822-1	- Pointe Hosken. Mouillage du Ribault. Ldg Lts 246·5°. Rear. 390m from front (F) *	37 48·23 S 77 34·54 E *	Q R	..	2	Red and white chequered beacon *	Occas	

K0822-4	- Pointe Hosken. Mouillage du Gonio. Ldg Lts 224°30'. Front (F)	37 47-65 S 77 33-89 E	Q G	..	2	Black & white chequered beacon	Occas
	*	*	*		*	*	
K0822-41	- Pointe Hosken. Mouillage du Gonio. Ldg Lts 224°30'. Rear. 110m from front (F)	37 47-69 S 77 33-84 E	Q G	..	2	Black and white chequered beacon	Occas
	*	*	*		*	*	
K0932	- Ldg Lts 214°30'. Front (I)	2 14-62 S 104 54-87 E	Fl W 2s	9	7	△ on white metal frame work tower 5	<i>fl 0-5.</i> Tide gauge. Reported TE 2008
	*	*					*
K0932-1	- Ldg Lts 214°30'. Rear. No 4. 0-79M from front (I)	2 15-28 S 104 54-44 E	Oc W 4s	13	8	▽ on white metal frame work tower 9	<i>ec 1.</i> Reported TE 2008
	*	*					*
K0934	- Ldg Lts 005°30'. Front (I)	2 12-97 S 104 55-72 E	Fl W 3s	9	8	△ on white post on pile structure 6	<i>fl 0-5.</i> Ra refl. Reported TE 2008
	*	*					*
K1003	Tg Mantong. Ldg Lts. Front (I)	1 37-53 S 105 43-83 E	Q W	12	12	White metal frame work tower 10	Ra refl
	*		*			*	*

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. 10 dated 16 May 2008)

NIL

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. 10 dated 16 May 2008)

NIL

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.