



INDIAN NOTICES TO MARINERS FOR 2007

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

EDITION No. 16 DATED 16 AUG 2007

(CONTAINS NOTICES 423 TO 446)

REACH US 24 HOURS A DAY



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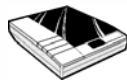
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Mariner's Obligation and A Chart Maker's Plea. Observing Changes at sea proactively and reporting them promptly to the concerned charting agency, is an obligation that all mariners owe to the entire maritime community towards SOLAS. Mariners are requested to notify the Chief Hydrographer to the Govt. of India at the following address/fax number, immediately on discovering new or suspected dangers to navigation, on observing changes/defects to navigational aids, and of short comings in Indian charts or publications. The Hydrographic Note [Form IH – 102] is a convenient form to notify such changes. Specimen form is attached at Section X 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. Sl Nos. of those in force are published quarterly on 01 Jan, 01 Apr, 01 Jul and 01 Oct, and their text is published in Annual Edition of Indian Notices to Mariners. 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 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 values 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 ENC's are now available in IHO's S-63 Data Protection Scheme also, in addition to CM-93 SENC format.

Contact Details:-

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INDIAN CHARTS, PUBLICATIONS AND ENC's NOW PUBLISHED AND AVAILABLE

(a) **NEW INDIAN ELECTRONIC NAVIGATIONAL CHARTS**

Sl. No.	Cell Name	Chart No.	Title	Publication Date
1	IN42079M	2079	Approaches to Mundra Port	30-04-2007

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

Sl. No.	Cell Name	Chart No.	Title	Publication Date
1	IN3211SM	211	Satpati to Murud Janjira	30-06-2005

(c) **ENCs PERMANENTLY WITHDRAWN:**

Sl. No.	Cell Name	Chart No.	Title	Publication Date
1	IN3211SM*	211	Satpati to Murud Janjira	30-06-2005
*Edition 01 issued on 01-12-2006.				

AVAILABILITY OF ENC's:

The complete folios of Official Indian ENC's are being distributed worldwide through C-MAP. Updates will be available both through CDs and Real Time via Satellite to allow fully automatic updation of ENC/SENC. 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: inho@dataone.in Web site: www.hydrobharat.nic.in</p>	OR	<p>Director C-Map India Private Limited 505, Raheja Arcade Sector 11 CBD, Belapur Navi Mumbai- 400 614 Tele: +91 22 65103668 Fax: +91 22 67939504 Email: info@c-map.co.in Website: www.c-map.co.in</p>
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(d) **FORTHCOMING CHARTS AND PUBLICATIONS**

Chart No	Title	Scale	Remarks
201	Gora Chan Creek to Godia Creek	1 50 000	New Edition
2042	Approaches to Malvan	50 000	New Edition
3024	Kalingapatnam Anchorage	20 000	New Edition
4001	Elphinstone Harbour and Rangat Bay	27 500	New Edition
4005	Nancowry Harbour and Approaches	12 500	New Chart
4006	Port Blair	15 000	New Edition
4012	Port Blair – Inner Harbour	5 000	New Edition

SECTION – I
List of charts affected by
The Notices 423 to 446 contained in this Edition

INDIAN H.O. Chart No.	Folio No.	Notice No.	ADMIRALTY Chart No.	Folio No.	Notice No.
31	5	434,443(T)	81	32	432
33	5	444(T)	82	32	432
211	3	425	253	32	431
215	3	426	713 (INT 7738)	38	428
216	3	426	792	45	437
269	4	429	817 (INT 7430)	43	445(T)
308	5	427	918	60	441
351	5	434	933	46	440
354 (INT 7408)	5	427,443(T)	941A	46	442
360	7	434	1002	37	430
2008	3	426	1064	37	430
2015 (INT7337)	3	424	1066	60	441
2016 (INT 7336)	3	423,424,425	1116	37	430
2076	3	423,424	1353	45	436
3018	7	434	2056	46	440
7508 (INT 508)	7	442	2403	45	438,446(P)
7708 (INT 708)	1	442	2777	45	436
			3043 (INT 7131)	32	433
			3729	46	440
			3831	45	446(P)
			3833	45	435,446(P)
			3920	45	436
			3937	45	446(P)
			3949	46	439,446(P)
			4041	45	446(P)
			4042	45	446(P)

SECTION – II: PERMANENT NOTICES
INDIAN HYDROGRAPHIC CHARTS AND PUBLICATIONS

***423(16/07) INDIA – WEST COAST – Jawahar Lal Nehru Port and Trombay – Conspicuous Object.**

Source: Hydrographic Note INS Investigator
 (HJ/1030/97)

Chart 2016 (INT 7336) [previous update 381/07]




















Insert		CHY (148)	19° 00'·15N., 72° 53'·97E.
		CHY (273)	19° 00'·17N., 72° 53'·90E.
		CHY (148)	19° 00'·66N., 72° 55'·48E.
		CHY (148)	19° 00'·40N., 72° 55'·26E.
		CHY (148)	19° 00'·35N., 72° 55'·15E.
		(23)	19° 01'·56N., 72° 56'·28E.
		(23)	19° 01'·49N., 72° 56'·09E.
		(23)	19° 01'·27N., 72° 55'·90E.
		(23)	19° 00'·88N., 72° 55'·65E.
Delete		Bn B (4)	18° 58'·18N., 72° 55'·80E.
		(125)	19° 00'·36N., 72° 55'·15E.

Chart 2076 [previous update 193/07]

Insert		CHY (148)	19° 00'·15N., 72° 53'·97E.
		CHY (273)	19° 00'·17N., 72° 53'·90E.
		CHY (148)	19° 00'·66N., 72° 55'·48E.
		CHY (148)	19° 00'·40N., 72° 55'·26E.
		CHY (148)	19° 00'·35N., 72° 55'·15E.
		Watch Tr (23)	19° 01'·56N., 72° 56'·28E.
		Watch Tr (23)	19° 01'·49N., 72° 56'·09E.
		Watch Tr (23)	19° 01'·27N., 72° 55'·90E.
		Watch Tr (23)	19° 00'·88N., 72° 55'·65E.
Delete		Bn B (4)	18° 58'·18N., 72° 55'·80E.

***424(16/07) INDIA – WEST COAST – Jawahar Lal Nehru Port and Trombay – Buoys.**

Source: Hydrographic Note INS Investigator
 (HJ/1030/87)

Chart 2016 (INT 7336) [previous update 423/07]

Delete		RW	18° 59'·129N., 72° 55'·808E.
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***424(16/07) INDIA – WEST COAST – Jawahar Lal Nehru Port and Trombay – Buoys.(continued)**
Chart 2076 [previous update 423/07]


Delete		19° 01'·732N., 72° 57'·455E.
		19° 01'·569N., 72° 57'·360E.
		19° 01'·570N., 72° 57'·321E.
		19° 01'·521N., 72° 57'·293E.
		19° 01'·519N., 72° 57'·389E.
		19° 01'·497N., 72° 57'·316E.
		19° 01'·432N., 72° 57'·325E.
		18° 59'·411N., 72° 53'·171E.
		18° 59'·129N., 72° 55'·808E.
		18° 55'·009N., 72° 54'·331E.
		18° 54'·941N., 72° 54'·300E.

Chart 2015 (INT 7337) [previous update 279/07]

Delete		18° 55'·009N., 72° 54'·331E.
		18° 54'·941N., 72° 54'·300E.

***425(16/07) INDIA – WEST COAST – Inner Approaches to Mumbai – Light.**

Indian List of Light Vol F & K 2003 – F.0555
 Source: Hydrographic Note INS Investigator.
 (HJ/1030/87)

Chart 211 [previous update 320/07]

Delete		F.R.5m3M	18° 49'·20N., 72° 56'·90E.
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Chart 2016 (INT7336) [previous update 424/07]

Delete		F.R.5m3M	18° 49'·20N., 72° 56'·90E.
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***426(16/07) INDIA – WEST COAST – Karwar Harbour and Approaches – Wreck.**

Source: ROS INS Nirdeshak D(N) 188
 (HJ/1030/45)

Chart 215 [previous update 354/07]

Delete		14° 47'·25N., 74° 06'·35E.
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Chart 216 [previous update 354/07]

Delete		14° 47'·25N., 74° 06'·35E.
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Chart 2008 [previous update 354/07] (WGS 84Datum)

Insert		14° 47'·31N., 74° 06'·28E.
--------	---	----------------------------

Delete		14° 47'·28N., 74° 06'·35E.
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***427(16/07) INDIA – EAST COAST – Outer Approaches to Visakhapatnam – Wreck. Conspicuous objects.**

Source: ROS INS Nirupak J(N) 160
 (HJ/1029/76)

Chart 354 (INT 7408) [previous update 406/07]

Insert		(265)	17° 35'·63N., 83° 05'·42E.
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Chart 308 [previous update 406/07]

Insert		(265)	17° 35'·63N., 83° 05'·42E.
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Delete		17° 29'·81N., 83° 00'·80E.
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428(16/07) INDIAN OCEAN - Mauritius - Port Louis - Coastline. Legends. Works. Note.

Source: BA Notice 3282/07
(HJ/632/92)

BA Chart 713 (INT 7738) (plan, Port Louis) [previous update 196/07]

Insert	legend, Works in progress (2007), centred on:	20° 08′.420S., 57° 28′.785E.
	berth number, 1	20° 08′.360S., 57° 29′.014E.
	berth number, 2	20° 08′.267S., 57° 29′.180E.

BA Chart 713 (INT 7738) [previous update 196/07]

Insert	the accompanying note, AIDS TO NAVIGATION	within title panel, under SATELLITE-DERIVED POSITIONS note.
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429(16/07) INDIAN OCEAN - British Indian Ocean Territory - Chagos Archipelago - Less water.

Source: BA Notice 3247 /07

Note: Former Notice 57(P)/06 is cancelled.

(HJ/830/57)

Chart 269 [previous update 363/06]

Insert	legend, <i>Less water reported</i> , centred on:	4° 50′.5S., 72° 22′.0E.
		4° 54′.5S., 72° 37′.0E.
		7° 05′.0S., 71° 20′.0E.
		7° 39′.0S., 70° 50′.0E.

430(16/07) MADAGASCAR - East Coast - Baie de Diégo Suarez - Banc d'Orongéa North-westwards - Depth. Legend. Cautionary note.

Source: BA Notice 3353/07
(HJ/733/70)

BA Chart 1002 [previous update 318/05]

Insert	depth $3\frac{3}{4}$ enclosed by 5fm contour, <i>Rep</i>	(a)	12° 13′ 34"S., 49° 20′ 30"E.
Delete	depth 8, adjacent to:		(a) above

BA Chart 1064 (plan, Passe d'Orongéa) [previous update 318/05]

Insert	depth $3\frac{5}{8}$ enclosed by 6fm contour, <i>Rep PA</i>	12° 13′.575S., 49° 19′.878E.
	legend, <i>Silting (see Note)</i> , centred on:	12° 13′.630S., 49° 19′.865E.
	the accompanying note, SILTING, centred on:	12° 13′.10S., 49° 19′.76E.

BA Chart 1116 [previous update 318/05]

Insert	depth $3\frac{3}{4}$ enclosed by 6fm contour, <i>Rep PA</i>	12° 13′.54S., 49° 19′.87E.
	legend, <i>Silting (see Note)</i> , centred on:	12° 13′.63S., 49° 19′.80E.
	the accompanying note, SILTING, centred on:	12° 22′.30S., 49° 18′.50E.

431(16/07) DJIBOUTI - Golfe de Tadjoura - Port d'Obock - Port du Sud - Wreck.

Source: BA Notice 3202 /07
(HJ/1033/16)

BA Chart 253 (plan B, Port d'Obock) [previous update 284/07]

Insert	 <i>Wk</i>	11° 57′.89N., 43° 18′.11E.
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432(16/07) SUDAN - Port Sudan Southwards - Bashayer Oil Terminal - Tanker mooring buoy. Fog signal.

Source: BA Notice 3344/07
(HJ/1034/92)

BA Chart 81 [previous update 521/06]

Insert	symbol, yellow tanker mooring buoy, <i>Mo(U)</i>	19° 23′.1N., 37° 19′.8E.
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BA Chart 82 [previous update 285/07]

Insert	symbol, yellow tanker mooring buoy, <i>Mo(U)</i>	(a)	19° 23′.11N., 37° 19′.82E.
	fog signal, <i>Horn Mo(U)</i> , at tanker mooring buoy		(a) above

433(16/07) EGYPT - Red Sea Coast - Hurghada (Al Ghardaqa) - Lights.

Source: BA Notice 3228 /07

Indian List of Light Vol. D & E, 2003,E- 6037.92, 6037.93

(HJ/1134/76)

BA Chart 3043 (INT 7131) (plan B, Hurghada (Al Ghardaqa))[previous update N E 28/06/2007]

Insert	★	Fl.G.3s7m3M	27° 13′.46N., 33° 50′.59E.
	★	Fl.R.3s7m3M	27° 13′.43N., 33° 50′.58E.

434(16/07) BAY OF BENGAL - Bangladesh - Approaches to Pussur River - Jefford Point - Light.

Source: BA Notice 3271 /07

Indian List of Light Vol. F & K, 2003, F-1045

(HJ/1129/10)

Chart 31[previous update 251/07] (WGS84 DATUM)

Amend light to, Fl(2)20s16M 21° 44′.4N., 89° 32′.5E.

Chart 351[previous update 095/07]

Amend light to, Fl(2)20s36m16M 21° 44′.4N., 89° 32′.6E.

Chart 360[previous update 155/07]

Amend light to, Fl(2)20s36m16M 21° 44′.4N., 89° 32′.6E.



Chart 3018 (plan 1, Approaches to Pussur River)[previous update 064/06]

Amend light to, Fl(2)20s36m16M 21° 44′.42N., 89° 32′.60E.

435(16/07) SINGAPORE - Marina South Eastwards - Wreck.

Source: BA Notice 3215 /07

(HJ/927/16)

BA Chart 3833[previous update 398/07]Substitute  Wk for  Wk 1° 16′.70N., 103° 53′.11E.**436(16/07) INDONESIA - Sumatera - East Coast - T. Langsa North-eastwards - Light.**

Indian List of Light Vol. F & K, 2003,F- 1330

Source: BA Notice 3225/07

(HJ/928/41)

BA Chart 1353 [previous update 394/07]

Amend light to, Fl.10M 4° 33′.5N., 98° 04′.4E.

BA Chart 2777 [previous update 293/07]

Amend light to, Fl.10M 4° 33′.5N., 98° 04′.4E.

BA Chart 3920 [previous update 394/07]

Amend light-beacon to, Fl.3s8m10M 4° 33′.50N., 98° 04′.40E.

437(16/07) MALAYSIA-Peninsular Malaysia-West Coast-Sungai Manjung-T. Batu Putih Northwards - Buoy.

Source: BA Notice 3226/07

(HJ/928/49)

BA Chart 792[previous update 472/06]

Move		Q.G. Dinding from:	4° 15′.05N., 100° 35′.57E.
		to:	4° 14′.92N., 100° 35′.53E.

438(16/07) MALAYSIA - Peninsular Malaysia, East Coast -Johore - Jason Bay North-eastwards -Depth.

Source: BA Notice 3281/07

(HJ/927/15)

BA Chart 2403[previous update 415/07]Insert  Rep 1° 59′.40N., 104° 17′.00E.


439(16/07) INDONESIA - Sumatera - Selat Riau Southwards - Submarine cable.

Source: BA Notice 3212/07

Note: Former Notice 619(P)/05 is cancelled.

(HJ/927/05)

BA Chart 3949[previous update 297/07]

Insert submarine cable, , joining:

0° 26′.59N., 104° 04′.50E.
(W border)
0° 25′.72N., 104° 07′.90E.
0° 25′.88N., 104° 15′.56E.
0° 27′.87N., 104° 19′.57E.
0° 30′.67N., 104° 21′.08E.
0° 32′.82N., 104° 24′.28E.
0° 34′.55N., 104° 27′.65E.
0° 38′.00N., 104° 47′.00E.
0° 38′.27N., 104° 47′.63E.
(E border)

440(16/07) INDONESIA - Jawa - Jakarta - Pulau Damar Besar Eastwards - Buoy.

Source: BA Notice 3345/07

(HJ/827/43)

BA Chart 933[previous update 416/07]

Delete  Fl(2)10s 5° 57′.38S., 106° 52′.75E.

BA Chart 2056[previous update 416/07]

Delete  5° 57′.45S., 106° 52′.50E.

BA Chart 3729[previous update 416/07]

Delete  5° 57′.45S., 106° 52′.50E.

441(16/07) INDONESIA - Jawa - North Coast - Approaches to Semarang - Wreck.

Source: BA Notice 3253/07

(HJ/826/39)

BA Chart 918 (plan D, Approaches to Semarang)[previous update 474/06]

Insert  PA 6° 53′.30S., 110° 24′.15E.

BA Chart 1066[previous update 068/07]

Insert  6° 53′.3S., 110° 24′.2E.

442(16/07) INDONESIA - Jawa - South Coast - Manuk Rock - Light.

Indian List of Light Vol. F & K, 2003, K-1277.5

Source: BA Notice 3269/07

(HJ/827/21)

Chart 7508(INT 508)[previous update 367/07] (WGS84 DATUM)

Insert  Manuk I. 7° 49′.0S., 108° 18′.0E.

Chart 7708(INT 708)[previous update 488/05] (WGS84 DATUM)

Insert  Manuk I. 7° 49′.0S., 108° 18′.0E.

BA Chart 941A[previous update 367/07]

Insert  Fl(2)10s50m20M 7° 49′.0S., 108° 18′.0E.

SECTION – III: TEMPORARY AND PRELIMINARY NOTICES***443(T)(16/07) INDIA – EAST COAST – Sacramento Shoal to Kalingapatnam – Unexploded Charges.**

Source: INS Gharial

(HJ/1029/66)

1. Unexploded charges reported dumped in position 16°51'·117N., 83° 30'·584E .(WGS 84 Datum)
2. Mariners to exercise caution.

Charts affected – 31 – 354(INT 7408)***444(T)(16/07) INDIAN OCEAN – BAY OF BENGAL – Southern Portion – Data Buoy**

Source: NIOT Chennai & Navarea VIII 433/07,

(HJ/1029/24)

1. A yellow coloured data buoy (MB 10) 2.2m dia and 3.5mtr mast carrying sensor fitted with radar reflector and beacon light with characteristics Fl(4)15s4NM , laid by NIOT Chennai in position 12°37'·10N., 85° 06'·70E . (WGS 84 Datum)
2. Mariners are strongly advised not to anchor or trawl with in a circle of 1000m radius from the moored Data Buoy.
3. **Delete serial (c) of INM 276(T)/07.**

Charts affected – 33**445(T)(16/07) BURMA - Sittwe South-westwards - Survey stations.**

Source: BA Notice 3218(T)/07

(HJ/1028/97)

1. Survey instruments have been established in the following positions and may remain on location until 31 Dec 07.
 - * 19° 43'·0N., 92° 30'·0E.
 - 19° 41'·8N., 92° 30'·2E.
 - 19° 42'·8N., 92° 30'·8E.
 - 19° 43'·7N., 92° 29'·4E.
 - 19° 42'·8N., 92° 28'·8E.
2. Unauthorized navigation, anchoring, trawling and fishing in the vicinity of these instruments is prohibited.
3. **Former Notice 431(T)/06 is cancelled.**
 - * Indicates new or revised entry.

BA Chart affected -817 (INT 7430)**446(P) (16/07) SINGAPORE STRAIT - Pulau Batam to Johor - Submarine cable.**

Source: BA Notice 3193(P)/07

(HJ/927/15)

1. A fibre optic submarine cable is being laid, joining the following positions (WGS84 Datum):

1° 08'·61N., 103° 55'·33E. (shore)	1° 13'·76N., 104° 04'·89E.
1° 08'·70N., 103° 55'·32E.	1° 13'·56N., 104° 05'·46E.
1° 08'·85N., 103° 55'·35E.	1° 13'·25N., 104° 05'·98E.
1° 09'·08N., 103° 55'·43E.	1° 12'·58N., 104° 10'·20E.
1° 09'·49N., 103° 55'·41E.	1° 13'·14N., 104° 10'·56E.
1° 09'·76N., 103° 55'·30E.	1° 14'·18N., 104° 11'·60E.
1° 09'·88N., 103° 55'·12E.	1° 14'·40N., 104° 11'·71E.
1° 10'·12N., 103° 55'·08E.	1° 14'·57N., 104° 11'·91E.
1° 10'·69N., 103° 54'·56E.	1° 14'·65N., 104° 13'·00E.
1° 11'·07N., 103° 54'·65E.	1° 15'·71N., 104° 14'·00E.
1° 12'·66N., 103° 57'·56E.	1° 17'·70N., 104° 14'·00E.
1° 13'·01N., 103° 58'·32E.	1° 18'·56N., 104° 13'·64E.
1° 13'·18N., 103° 59'·38E.	1° 19'·16N., 104° 17'·11E.
1° 13'·45N., 104° 01'·57E.	1° 20'·31N., 104° 17'·55E.
1° 13'·53N., 104° 02'·10E.	1° 21'·23N., 104° 17'·44E.
1° 13'·96N., 104° 03'·52E.	1° 22'·17N., 104° 16'·74E. (shore)

2. Mariners are requested to avoid anchoring or trawling in the vicinity of the cable route.

BA Charts affected - 2403 - 3831 - 3833 - 3937 - 3949 - 4041 - 4042

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:

C-Map 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	C-Map Norway AS Hovlandsveien 52, P.O. 212, N-4370, Egersund, Norway Ph: 0047 51 464700 Fax: 0047 51 464701 Email: market@c-map.no
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	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
Mari-Sys Pte Ltd. 20 Ayer Rajah Crescent, #08-21, SE 139964, Republic of Singapore Ph: +65 6776 1898 Email: info@mari-sys.com	

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

***105 (T) (03/05) INDIA – Andaman Sea – Nicobar Islands – Approaches to East Bay – Jetty..**

Source: Hydrographic Note, INS Sandhayak
(HJ/928/76)

It is reported that East Bay Jetty at approx position 07° 58'.68N., 93° 23'.73E. is destroyed due to Tsunami disaster.

Charts affected: 4011

***106 (T) (03/05) INDIA – Andaman Sea – Andaman and Nicobar Islands – Beacon. Buoy.**

Source: Port Management Board, Andaman and Nicobar & Hydrographic Note, INS Sandhayak
(HJ/928/86)

1. Following buoys/beacons were reported totally damaged and sunk post Tsunami disaster:

Nancowry Island

(d) North east lighted beacon 08° 01'.60N., 93° 33'.80E.

(e) Reid Point beacon 08° 01'.48N., 93° 33'.35E.

(f) Mayo Point beacon 08° 01'.60N., 93° 32'.53E.

Mayabundar Island

(g) Takla west beacon 12° 55'.53N., 92° 53'.46E.

Port Blair

(h) Bamboo flat beacon 11° 41'.33N., 92° 43'.20E.

(i) Range flat beacon 11° 41'.21N., 92° 43'.06E.

2. Mariners to exercise caution while navigating through this area.

Charts affected: 4005 – 4006 – 4008 – 4012 – 4016

***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

***160 (T) (06/05) INDIA – Andaman Sea – Nicobar Island – Campbell Bay – Rock.**

Source: Hydrographic Note, INS Tillanchang, INS Sandhayak
(HJ/928/76)

1. It is reported that following rocks have been found at position

(a) New Rock 07° 01'.370N., 093° 55'.310E.

(b) Sunken boat 06° 59'.870N., 093° 55'.560E.

2. The Leading transit mark 323° on the beach was broken and damaged. The Chosen point light are non-operational. The seaward end of the breakwater is sunk.

Charts affected: 409 – 471 – 472 (INT 7032) – 4035.

SECTION – V: 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 13 Aug 07, 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	185	2005 series: 402. 2007 series: 019 035 050 099 128 153 156 158 162 167 168 170 174 178 180 182 184 185
II	E. Atlantic	279	2007 series: 103 258 269 271 272 273 275 277 279.
III	Mediterranean	334	2007 series: 274 277 285 295 304 305 312 314 315 316 318 319 322 323 324 326 328 329 330 331 332 333 334.
IV	N.W. Atlantic	222	2007 series: 196
V	W. Atlantic	694	2007 series: Nil.
VI	S.W. Atlantic	247	2007 series: Nil
VII	S.E. Atlantic	118	2007 series: 094 100 106 110 113 116 117.
VIII	Indian Ocean	455	2007 series: 035 161 179 184 185 201 216 241 242 249 257 270 279 294 339 357 360 365 366 367 371 372 373 380 383 387 388 389 390 394 396 400 406 407 413 417 418 419 420 424 426 430 433 434 437 439 440 442 443 444 445 447 448 449 450 451 452 454 455

428 to 429. Cancelled.																																				
430. Arabian Sea. MV Reef Azania Flag Saint Vincent and Grenadines reported missing since 24 Jun 2007 enroute to Seychelles from Dubai. 2. Vessels transiting in area to keep a sharp look out and render necessary assistance.																																				
431 to 432. Cancelled.																																				
433. Bay of Bengal Southern Portion. Charts 33 INT 706. Yellow coloured Data buoy (MB 10), 2.2 meter dia & 3.5 meter mast fitted with radar reflector laid in position 12-37.1N., 085-06.7E with characteristics Fl(4)Y.15s (4NM). 2. All vessels operating in vicinity are to maintain a clearance of 1000 metre off the buoy.																																				
434. Cancel Navarea Eight 429 of 2007. India West Coast – Mumbai Harbour. Charts 21 22 211 255 292 293 2016 INT 706. Pay Loader approximate length 10 metre and breadth 04 metre fell overboard from Al Mehraj in approx position 18-54.3N., 072-52.18E. 2. Mariners to exercise caution.																																				
435 to 436. Cancelled.																																				
437. Cancel Navarea Eight Messages 385, 395 and 432 of 2007 . India East Coast– Bay of Bengal. Charts 31 32 33 301 351 352 354 355 356 357 3009 INT 706. Present position of Oil rigs / Drill ships as follows: <table style="margin-left: 40px;"> <tbody> <tr> <td>RIG-31</td> <td>16-25.00N</td> <td>082-08.00E</td> </tr> <tr> <td>ATWOOD BEACON</td> <td>16-40.00N</td> <td>082-28.40E</td> </tr> <tr> <td>TRANSOCEAN NORDIC</td> <td>20-02.00N</td> <td>086-54.00E</td> </tr> <tr> <td>PERRO NEGRO III</td> <td>16-40.17N</td> <td>082-25.70E</td> </tr> <tr> <td>DEEP WATER FRONTIER</td> <td>16-33.00N</td> <td>082-31.80E</td> </tr> <tr> <td>DISCOVERER SEVEN SEAS</td> <td>16-30.20N</td> <td>082-29.60E</td> </tr> <tr> <td>SAGAR VIJAY</td> <td>16-35.60N</td> <td>082-27.20E</td> </tr> <tr> <td>C KIRK RHEIN JR</td> <td>16-33.40N</td> <td>082-33.50E</td> </tr> <tr> <td>DEEP DRILLER I</td> <td>17-02.10N</td> <td>082-31.20E</td> </tr> <tr> <td>ABAN II</td> <td>16-23.70N</td> <td>081-59.00E</td> </tr> <tr> <td>ACTINIA</td> <td>15-16.00N</td> <td>080-34.50E</td> </tr> <tr> <td>DEEPSEA MATDRILL</td> <td>15-16.00N</td> <td>082-02.20E</td> </tr> </tbody> </table> 2. Wide berth requested.	RIG-31	16-25.00N	082-08.00E	ATWOOD BEACON	16-40.00N	082-28.40E	TRANSOCEAN NORDIC	20-02.00N	086-54.00E	PERRO NEGRO III	16-40.17N	082-25.70E	DEEP WATER FRONTIER	16-33.00N	082-31.80E	DISCOVERER SEVEN SEAS	16-30.20N	082-29.60E	SAGAR VIJAY	16-35.60N	082-27.20E	C KIRK RHEIN JR	16-33.40N	082-33.50E	DEEP DRILLER I	17-02.10N	082-31.20E	ABAN II	16-23.70N	081-59.00E	ACTINIA	15-16.00N	080-34.50E	DEEPSEA MATDRILL	15-16.00N	082-02.20E
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DEEPSEA MATDRILL	15-16.00N	082-02.20E																																		
438. Cancelled.																																				
439. Refer Navarea Eight Message 437 of 2007. India East Coast – Off Paradip. Charts 31 352 INT 706. Rig Transocean Nordic moved to new position 20-03.0N., 086-50.0E. 2. Wide berth requested.																																				
440. Andaman Sea – Andaman and Nicobar Islands. Charts 33 41 405 406 472 473 4030 INT 71 INT 706. North Brother Island light 10-59.2N., 092-40.1E Unlit.																																				

441. Cancelled.
442. India West Coast – Mormugao. Charts 22 214 215 257 293 2009 INT 705 INT 706. Firing practice by Naval Aircraft between 0230 UTC and 1230 UTC from 14 Aug to 21 Aug 2007. Danger area bounded by: (a) 15-13.0N 073-57.0E (b) 15-13.0N 073-52.0E (c) 15-11.0N 073-57.0E (d) 15-11.0N 073-52.0E 2. Safe flying height 3500 metres. 3. Cancel this message on 22 Aug 2007.
443. Cancel Navarea Eight 335 of 2007. 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: ABAN III 19-20.63N 071-25.68E ABAN V 19-33.50N 071-23.33E CE THROTON 19-51.33N 071-39.50E FG MC CLINTOK 19-19.61N 071-16.66E FRONTIER ICE 20-10.37N 069-40.33E HITDRILL 19-32.27N 071-24.08E JT ANGEL 18-38.26N 072-14.03E KEDARNATH 22-52.13N 068-31.38E NOBLE CHARLIE 19-38.90N 071-20.95E NOBLE ED HOLT 19-34.25N 071-17.87E PRIDE PENNSYLVANIA 19-15.18N 072-02.17E PRIDE HAWAI 18-31.88N 072-16.73E RON TOPMEYYER 19-05.33N 072-06.88E RONDOLF YOST 19-11.99N 072-11.00E SAGAR GAURAV 19-35.38N 071-59.08E SAGAR LAXMI 18-36.15N 071-01.63E SAGAR PRAGATI 18-32.27N 072-15.43E SAGAR RATNA 18-54.88N 072-16.92E SAGAR SAMRAT 19-32.13N 071-18.81E SAGAR SHAKTI 19-26.65N 071-20.60E SAGAR UDAY 19-33.23N 071-19.75E TRIDENT – 2 19-38.26N 071-19.91E TRIDENT – 12 19-26.83N 071-15.45E ENSCO-50 19-23.16N 071-57.16E ENSCO-53 20-44.78N 071-55.96E 2. Wide berth requested.
444. Persian Gulf – Gulf of Oman - Arabian Sea. Chart 20 INT 70 INT 72 INT 704. MSV Hira Moti flag Indian PBR-425 Reported missing since 30 May 2007 enroute to Porbandar from Sharjah. 2. Vessels transiting in area to keep a sharp look out and render necessary assistance.
445. Indian Ocean. Charts INT 72 INT 70. Australian Catamaran Clandara colour green white and grey partially submerged in position 29-13.81S., 059-35.83E. 2. Vessels transiting through the area to exercise caution.
446. Cancelled.
447. 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 0730 UTC and 1100 UTC from 17 Aug to 31 Aug 2007. 2. Danger zones: (a) Sector of radius 05 NM from launcher between azimuth angles 190 degree and 300 degree. (b) Sector of radii 45 NM and 75 NM from the launcher between azimuth angles 220 degree and 260 degree. 3. Cancel this message on 01 Sep 2007.
448. 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 1330 UTC and 1700 UTC on 22 Aug 23 Aug 29 Aug and 30 Aug 2007: 2. Danger zones: (a) Sector of radius 05 nm from launcher between azimuth angles 190 degree and 300 degree. (b) Sector of radii 45 nm and 75 nm from the launcher between azimuth angles 220 degree and 260 degree. 3. Cancel this message on 31 Aug 2007.
449. India West Coast – Arabian Sea. Charts 21 22 256 293 INT 706. Man overboard reported by naval ship at 091134 UTC in position 18-05.7N., 072-16.7E. 2. All vessels operating in vicinity to keep a sharp lookout and render assistance.

450. Cancel Navarea eight 446 of 2007. India East Coast – bay of Bengal. Charts 31 32 33 313 356 357 3001 3004 3028 INT 706. Electromagnetic seabed survey in progress by S/V Sasha in area bounded by: (a) 14-33.5N 080-13.2E (b) 14-48.9N 080-07.0E (c) 12-45.5N 081-39.2E (d) 12-41.4N 081-49.6E 2. Vessel towing one 4000 meters long submerged cable just above the seabed. 3. All vessels operating in vicinity are to maintain a clearance of 03 NM off the vessel and exercise caution 4. Cancel this message on 26 Aug 2007.
451. India West Coast – Kachchigadh. Charts 21 202 252 271 291 INT 705. Kachchigadh light 22-19.88N., 068-56.96E Racon with code k unreliable.
452. Gulf of Kachchh – Piram Island. Charts 21 208 254 292 2039 INT 705. Piram Island light 21-35.9N., 072-21.2E Racon with code b unreliable.
453. Cancelled.
454. Self canceling. Cancel Navarea Eight 014 of 2007. India West Coast – Aguda. Charts 22 214 257 293 2020 2022 INT 706. Aguda Light 15-29.46N., 073-46.40E Racon code ‘O’ and DGPS station functioning normal.
455. India West Coast – Mumbai Harbour . Charts 21 22 211 255 292 293 2016 INT 706. One container floating in approximate position 18-52.3N., 072-50.6E 2. Mariners to exercise caution.

<u>NAVAREA No.</u>	<u>LOCATION</u>	<u>LAST NAVAREA</u>	<u>NAVAREA IN FORCE</u>
IX	Persian Gulf, Red Sea, NW Arabian Sea	169	2006 series: 106 116 147 177 200 216. 2007 series: 003 006 018 022 027 042 062 087 092 095 106 108 132 136 143 145 150 152 155 156 158 159 160 163 168 169.
X	Australia, New Guinea	201	2007 series: 172 173 174 176 177 178 179 181 183 185 186 187 188 189 191 194 197 200 201.
XI	Malacca Strait, China Sea, N. Pacific	330	1996 series: 0925 1998 series: 0655 1999 series: 0053 0187 0310 2000 series: 0677 2001 series: 0182 0775 2003 series: 0106 0303 0304 2004 series: 0246 0271 0361 0571 2005 series: 0271 0307 2006 series: 0005 0050 0052 0083 0090 0123 0224 0250 0251 0276 0303 0343 0561 0568 0580. 2007 series: -0002 0003 0004 0008 0009 0093 0098 0130 0133 0155 0187 0189 0245 0246 0248 0253 0269 0297 0301 0305 0307 0308 0309 0310 0311 0312 0313 0315 0316 0317 0322 0325 0326 0327 0329 0330.
XII	N.E. Pacific	191	2007 series: Nil
XIII	N.W. Pacific	052	2007 series: Nil
XIV	S.W. Pacific	029	2007 series: 005 010 026 029.
XV	S.E. Pacific	119	2007 series: Nil
XVI	E. Pacific	181	2007 series: Nil
Hydropacs	Pacific, Indian Ocean	1359	2006 series: 524 1049 1812. 2007 series: Nil
Hydrolants	Atlantic, Mediterranean	1369	2006 series: 1394. 2007 series: Nil

SECTION – VI: CORRECTIONS TO SAILING DIRECTIONS (PILOTS)

**INP 2 Bay of Bengal Pilot (2007 Edition) – INDIA EAST
COAST – Sacramento Shoal to Kalingapatnam – Pentakota
– Beacon.**

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*Article 2.136,
Delete Para 7*

ROS INS Nirupak J(N) 160

16/07

**INP 1 West Coast of India Pilot (Second Edition 2003) –
INDIA WEST COAST – Off Karwar - Anchorage**

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*Article 6.146,
Delete Para 5 & 6*

ROS INS Nirdeshak D(N) 188

16/07

SECTION – VII: CORRECTIONS TO INDIAN LIST OF LIGHTS

No	Name & Location	Position (Lat-Long)	Charact- eristics	Ht. mts.	Range miles	Structure & Height (mts)	Remarks
D6576	- Ponta Matirre	17 16.60 S 38 11.00 E	Fl(2+1)W 12s	50	14	White metal framework tower, red bands 13	TE 2007 *
D7326.25	- E Breakwater. Dir Lt 179.85°	24 29.57 N 56 37.72 E	Dir F WRG	15	10	Grey metal lattice tower	G178.4°-79.4°(1°), GW179.4°-179.7°(0.3°), W179.7°-180°(0.3°), WR180°-180.3°(0.3°), R180.3°-181.3°(1°)
	---	..	By Day *	..	4		
D7334.9	Limah Fishery Harbour. A	25 56.25 N 56 25.97 E	Fl G 5s	5	3	Grey steel post 3	* * * *
D7334.91	Limah Fishery Harbour. Inner (South) Breakwater. Head	25 56.19 N 56 26.05 E	Fl R 5s	5	3	Grey steel post 3	* * * *
D7357.45 DELETED	Remove from list						
D7393.87	-Fairway	25 54.90 N 51 42.00 E	Iso W 4s	..	10	Red ○ on red and white striped pillar buoy	Safe Water Mark
	--	..	Horn 10s	..	..	..	ALRS Vol 2 Station 77480
	--	..	Racon	..	..	..	* * * *
D7438.6	- E Breakwater. S end	27 02.12 N 49 42.46 E	Fl WG 3s	..	4	Metal post	G201.9°-080.8°(238.9°), W080.8°-201.9°(121.1°) *
E6077.12	-Bashayer II Oil Terminal. Petrodar Terminal. SPM	19 23.11 N 37 19.83 E	Mo(U)W	..	..	Yellow SPM	* * * *
F0555 DELETED	Remove from list						
F 0636	-Port Karwar Koney	14 48.20N 74 07.40E	QR	23	6	White metal frame work tower red bands 16	Shown September June.Storm signal R Lt on towards 0.7m and 1.3 M NNE and 1.5M SE TE 2007 *

F 0968	Pudimadaka	17 29.30N 83 00.30E	Fl(2) W 15s	35	27	White Square Masonry tower red bands 26	<i>fl 0.4 ec 3.4,</i> <i>fl 0.4 ec 10.8,</i>
		*					
F 1045	-Jefford Point	21 44.40N 89 32.60E	Fl(2) W 20s	36	16	△on grey metal frame work tower	
			*	*			
F1252·5	-Hulo Wunga	01 12.68 N 97 04.80 E	Fl(2)W 10s	46	18	White metal lattice beacon 30	<i>fl 1, ec 1·5, fl 1, ec 6·5</i>
*	*	*	*	*	*	*	*
F1614·5	Kuala Langat	02 48.08 N 101 24.18 E	Fl G 4s	9	5	White concrete column	TE 2007 *
F1677·4 DELETED	Remove from list						

SECTION – VIII: CORRECTION TO LIST OF RADIO SIGNALS**INP 31(1), 2005***(Last correction: Edition No. 14 dated 16 Jul 2007)*

NIL

INP 31(2), 1995*(Last correction: Edition No. 12 dated 16 Jun 2007)*

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.14 dated 16 Jul 2007)***PAGE172, MAURITIUS**

Delete entry and replace by:

National SAR Agency: National Coast Guard			
Address: Headquarters, Fort William, Port Louis, Mauritius			
Tel: +230 2122747, 2122757 & 2088317			
Fax: +230 2122770			
Search and rescue operations within the waters around Mauritius are co-ordinated by the National Coast Guard. They can be contacted through Mauritius (3BM) which maintains a continuous listening watch on international distress frequencies VHF Ch 16, 2182 KHz and DSC VHF Ch 70 and MF 2187.5kHz.			
	Telephone +230	Fax +230	Others
MRCC MAURITIUS (COAST GUARD OPERATIONS ROOM)	2088317 2083935 2122757 2122747	2122770 2122757	Inmarsat C (IOR) 464590210NMCG
MAURITIUS (3BM)	2085950 2110839 (SAR)	2110838	Inmarsat M 686170031 E--mail 3bm.mrs@mauritiustelecom.com
MAURITIUS PORT AUTHORITY	2400415	2400856	

BA 30/07

16/07

INP 31, VOLUME 6, 2005*(Last correction: Edition No. 10 dated 16 May 2007)*

NIL

BA, VOLUME 7, 1999/00-PART 2*(Last correction: Edition No. 16 dated 16 Aug 2000)*

NIL

INP 31(8), 1999*(Last correction: Edition No. 05 dated 01 Mar 2006)*

NIL

SECTION – IX: PLOTTING OF GPS POSITIONS IN INDIAN CHARTS

All mariners are advised to exercise extreme caution while using the Global Positioning System positions in WGS 84 datum on the Indian navigational charts produced in Everest datum. The variation in these parameters is considerable along the Indian coast and in Andaman & Nicobar and Lakshadweep Islands (300 to 800 metres variations). Mariners are also advised to apply datum shift parameters (if available) on the Indian navigational charts before using Global Positioning System positions on Indian charts. These shift parameters are specified on the charts where observed, at a suitable position under legend note. Mariners are advised to use alternate methods of fixing while operating in restricted waters and in vicinity of dangers.

The Chief Hydrographer to the Govt. of India shall not be responsible for any marine accidents arising as a result of usage of GPS positions in WGS 84 datum in Indian navigational charts in Everest datum without the application of Datum Transformation Parameters/corrections where available or listed in the charts.

SECTION – X: 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
(UTTARANCHAL), 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.

I.H. 102a (Revised 2003)

HYDROGRAPHIC NOTE FOR PORT INFORMATION

(For Reporting Changes to Port Information)

(To accompanying Form I.H. 102)

Name and address of ship / sender:

_____ **Ref No.:** _____
 _____ **Date :** _____

Fax No.: _____, **E-mail:** _____

1.	a) NAME OF THE PORT : b) Location : Lat: , Long: c) Listing in Guide to Port Entry: Yes/No. Sl. No.:	
2.	NAME AND ADDRESS OF PORT AUTHORITIES a) Name b) Address c) Phone d) Fax e) E-mail	
3.	GENERAL REMARKS a) Principal activities and trade b) Latest population figures and date c) Number of ships and tonnage handled per year d) Maximum size and draught of vessels handled. e) Copy of Port Handbook <i>if available.</i>	
4.	ANCHORAGES a) Type / Purpose b) Minimum Depth at anchorage c) Shelter afforded d) Holding ground e) Recommended pilotage to the anchorage	
5.	PILOTAGE a) Authority for requests. b) Embarkation position c) Regulations d) Documents to be provided	
6.	DIRECTIONS a) Entry and berthing information. b) Tides (Height) c) Tidal Streams. d) Navigational aids.	
7.	POLLUTION CONTROL a) Local regulations in force (if any)	

<p>8. TUGS</p> <ul style="list-style-type: none"> a) Number available b) Max. hp. c) Requesting authority d) Availability times e) Communication with Tugs f) Hiring Charges 	
<p>9. BERTHING AND WHARVES</p> <ul style="list-style-type: none"> a) Number of berths available b) Length, c) Depth alongside d) Facilities available. e) Procedures for requesting berthing and hiring charges 	
<p>10. CARGO HANDLING</p> <ul style="list-style-type: none"> a) Containers b) Lighters c) Roll on/ roll off, etc. 	
<p>11. CRANES</p> <ul style="list-style-type: none"> a) Brief details and max. capacity. b) Container handling facilities 	
<p>12. BRIDGES</p> <p>Vertical clearances</p>	
<p>13. REPAIRS</p> <ul style="list-style-type: none"> a) Hull, machinery and underwater b) Ship and boat yards c) Docking or Slipway facilities (Give size of vessels handled or dimensions) d) Hards and ramps. e) Divers / Diving Assistance 	
<p>14. RESCUE AND DISTRESS</p> <p>Salvage, lifeboat, coastguard, etc.</p>	
<p>15. SUPPLIES</p> <ul style="list-style-type: none"> a) Fuel with type and quantities available. b) Freshwater and rate of supply. c) Provisions d) Chart Agents 	
<p>16. SERVICES</p> <ul style="list-style-type: none"> a) Radio Telegrams/Telephony b) Medical. c) Quarantine d) Consuls. e) Ship chandlery and stevedores, f) Compass adjustment, g) Tank cleaning, h) Hull painting. j) Diving and underwater examination k) Police / Ambulance / Fire l) Navigational warnings and weather bulletins m) Garbage Disposal n) Telephones p) Waste oil disposal 	
<p>17. COMMUNICATIONS</p> <ul style="list-style-type: none"> a) Road, rail and air services available b) Nearest airport or airfield. c) Port Radio and Information service (Frequencies and operating hours) 	

18. PORT AUTHORITY Designation, address and telephone number.	
19. SMALL CRAFT FACILITIES a) Information and facilities for small craft /yachts visiting the port. b) Yacht clubs, berths etc.	
20. SHORE LEAVE	
21. CLUBS / RECREATION / INFORMATION KIOSKS – Their location.	
22. VIEWS (duly annotated) Photographs (where permitted) of the approaches, leading marks, the entrance to the harbour, etc. (Picture postcards may also be useful).	

Signature of Observer/Reporter.....

To

The Chief Hydrographer to the Government of India

National Hydrographic Office

107 A, Rajpur Road

PO Box No. 75,

Dehradun- 248001

(UTTARANCHAL), INDIA

E Mail : incho@dataone.in / incho_marinesafety@dataone.in

incho_navwarnings@dataone.in / incho_helpdesk@dataone.in

Fax No.: 91- 0135- 2748373

WEB : www.hydrobharat.nic.in

I.H. 102 (Revised 2003)

HYDROGRAPHIC NOTE

(For Reporting Navigational Dangers/ Changes observed at Sea by Mariners)

Date :
Ref. No:

Details of the Sender / Originator

1. **Name of ship or sender:**
2. **Address of sender:**
.....
e-mail; Fax No.; Tel. No.:.....
.....
3. **General Locality:**
4. **Chart / Publication Affected:**
 - a) Chart published by INHO / UKHO / other (Specify):
 - b) Chart No.: Edition Date:
 - c) Latest Edition of Indian N to M held:.....

Details of Changes / Dangers Observed

5. **Object of Change:**

	Date/Time of observation	Charted	Observed	Position/Area
(a) Bathymetry:				
(i) Depth -
(ii) Depth Contour -
(iii) Channel Depth -
(b) Navigational Dangers:				
(i) New Shoals.....
(ii) New Rocks.....
(iii) New Reefs.....
(iv) New Wrecks.....
(v) New Nav-aid (Specify) -
(c) Casualties to existing Nav-Aids:				
(i) Buoys.....
(ii) Lights.....
(iii) Fog signals.....
(iv) Racons.....
(v) Transit Marks
(vi) Leading Lines.....
(vii) Clearance bearings.....
(d) Designated Areas:				
(i) Exercise Areas
(ii) Prohibited Areas
(iii) Pilot Station
(iv) Anchorage
(v) Foul Ground

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

Signature of the Master / Reporter

Date:

To

The Chief Hydrographer to the Government of India

National Hydrographic Office

107 A, Rajpur Road

PO Box No. 75,

Dehradun- 248001

(UTTARANCHAL), INDIA

E Mail : incho@dataone.in / incho_marinesafety@dataone.in

incho_navwarnings@dataone.in / incho_helpdesk@dataone.in

Fax No.: 91- 0135- 2748373

WEB : www.hydrobharat.nic.in

Please Note:

1. Please see over leaf for Instructions for filling up this form.
2. Photograph / Sketches / Diagram, etc duly annotated will be useful supporting document.
3. Please rush this information to the Chief Hydrographer to the Govt. of India at the address given above, by the fastest available means.

TABLE FOR CONVERTING FEET AND FATHOMS TO METRES

Feet	Fms	Metres	Feet	Fms	Metres	Feet	Fms	Metres	Feet	Fms	Metres
1		0.305	55		16.764	162	27	49.378	498	83	151.790
1.5	¼	0.457	56		17.069	168	28	51.206	504	84	153.619
2		0.610	57	9½	17.374	174	29	53.035	510	85	155.448
3	½	0.914	58		17.678	180	30	54.864	516	86	157.277
4		1.219	59		17.983	186	31	56.693	522	87	159.106
4.5	¾	1.372	60	10	18.288	192	32	58.522	528	88	160.934
5		1.524	61		18.593	198	33	60.350	534	89	162.763
6	1	1.829	62		18.898	204	34	62.179	540	90	164.992
7		2.134	63	10½	19.202	210	35	64.008	546	91	166.421
8		2.438	64		19.507	216	36	65.837	552	92	168.250
9	1½	2.743	65		19.812	222	37	67.666	558	93	170.078
10		3.048	66	11	20.117	228	38	69.494	564	94	171.907
11		3.353	67		20.422	234	39	71.323	570	95	173.736
12	2	3.658	68		20.726	240	40	73.152	576	96	175.565
13		3.962	69	11½	21.031	246	41	74.981	582	97	177.394
14		4.267	70		21.336	252	42	76.810	588	98	179.222
15	2½	4.572	71		21.641	258	43	78.638	594	99	181.051
16		4.877	72	12	21.946	264	44	80.467	600	100	182.880
17		5.182	73		22.250	270	45	82.296			
18	3	5.486	74		22.555	276	46	84.125	Metres	Inches	
19		5.791	75	12½	22.860	282	47	85.954			
20		6.096	76		23.165	288	48	87.782	0.10	3.937	
21	3½	6.401	77		23.470	294	49	89.611	0.20	7.874	
22		6.706	78	13	23.774	300	50	91.440	0.30	11.811	
23		7.010	79		24.079	306	51	93.469	0.40	15.748	
24	4	7.315	80		24.384	312	52	95.098	0.50	19.685	
25		7.620	81	13½	24.689	318	53	96.926	0.60	23.622	
26		7.925	82		24.994	324	54	98.755	0.70	27.559	
27	4½	8.230	83		25.298	330	55	100.584	0.80	31.496	
28		8.534	84	14	25.603	336	56	102.413	0.90	35.433	
29		8.839	85		25.908	342	57	104.242	1.00	39.370	
30	5	9.144	86		26.213	348	58	106.070			
31		9.449	87	14½	26.518	354	59	107.899			
32		9.754	88		26.822	360	60	109.728			
33	5½	10.058	89		27.127	366	61	111.557			
34		10.363	90	15	27.432	372	62	113.386			
35		10.668	91		27.737	378	63	115.214			
36	6	10.973	92		28.042	384	64	117.043			
37		11.278	93	15½	28.346	390	65	118.872			
38		11.582	94		28.651	396	66	120.701			
39	6½	11.887	95		28.956	402	67	122.530			
40		12.192	96	16	29.261	408	68	124.358			
41		12.497	97		29.566	414	69	126.187			
42	7	12.802	98		29.870	420	70	128.016			
43		13.106	99	16½	30.175	426	71	129.845			
44		13.411	100		30.480	432	72	131.674			
45	7½	13.716	102	17	31.090	438	73	133.502			
46		14.021	108	18	32.918	444	74	135.381			
47		14.326	114	19	34.747	450	75	137.160			
48		14.630	120	20	36.576	456	76	138.989			
49		14.935	126	21	38.405	462	77	140.818			
50		15.240	132	22	40.234	468	78	142.646			
51	8½	15.545	138	23	42.062	474	79	144.475			
52		15.850	144	24	43.891	480	80	146.304			
53		16.154	150	25	45.720	486	81	148.133			
54	9	16.459	156	26	47.549	492	82	149.962			

TABLE FOR CONVERTING METRES TO FEET AND FATHOMS

Mtrs	Feet	Fms	Metres	Feet	Fms	Metres	Feet	Fms	Metres	Feet	Fms
1	3.281	0.547	57	187.008	31.168						
2	6.562	1.094	58	190.289	31.715	5000	16404.20	2734.03			
3	9.843	1.640	59	193.570	32.262	6000	19685.04	3280.84			
4	13.123	2.187	60	196.850	32.808	7000	22965.88	3827.65			
5	16.404	2.734	61	200.131	33.355	8000	26246.72	4374.45			
6	19.685	3.281	62	203.412	33.902	9000	29527.56	4921.26			
7	22.966	3.828	63	206.693	34.449	10000	32808.40	5468.07			
8	26.247	4.374	64	209.974	34.996						
9	29.528	4.921	65	213.255	35.542	Inches	Feet	Metres	Factors		
10	32.808	5.468	66	216.535	36.089						
11	36.089	6.015	67	219.816	36.636	1	0.083	0.025	1 Inch=0.0254 m		
12	39.370	6.562	68	223.097	37.183	2	0.167	0.051	1 Foot=0.3048 m		
13	42.652	7.108	69	226.378	37.730	3	0.250	0.076	1 Fthm=1.8288 m		
14	45.932	7.655	70	229.659	38.276	4	0.333	0.102	or 6 feet		
15	49.213	8.202	71	232.940	38.823	5	0.417	0.127			
16	52.493	8.749	72	236.220	39.370	6	0.500	0.152			
17	55.774	9.296	73	239.501	39.197	7	0.583	0.178			
18	59.055	9.843	74	242.782	40.464	8	0.667	0.203			
19	62.336	10.389	75	246.063	41.010	9	0.750	0.229			
20	65.617	10.936	76	249.344	41.557	10	0.833	0.254			
21	68.898	11.483	77	252.625	42.104	11	0.917	0.279			
22	72.178	12.030	78	255.906	42.651	12	1.000	0.305			
23	75.459	12.577	79	259.186	43.198						
24	78.740	13.123	80	262.467	43.745	Fthms	Metres	Feet	Metres		
25	82.021	13.670	81	265.748	44.291						
26	85.302	14.217	82	269.029	44.838	200	365.760	700	213.360		
27	88.583	14.764	83	272.310	45.385	300	548.640	800	243.840		
28	91.864	15.311	84	275.591	45.932	400	731.520	900	274.320		
29	95.144	15.857	85	278.871	46.479	500	914.400	1000	304.800		
30	98.425	16.404	86	282.152	47.025	600	1097.280				
31	101.706	16.951	87	285.433	47.572	700	1280.160				
32	104.987	17.498	88	288.714	48.119	800	1463.040				
33	108.268	18.045	89	291.995	48.666	900	1645.920				
34	111.549	18.591	90	295.276	49.213	1000	1828.800				
35	115.829	19.138	91	298.556	49.759						
36	118.110	19.685	92	301.837	50.306	Factor = 1 m = 3.280839895 feet or					
37	121.391	20.232	93	305.118	50.853	39370078740 inches = 0.546806649 fthm					
38	124.672	20.779	94	308.399	51.400						
39	127.953	21.325	95	311.680	51.947						
40	131.234	21.872	96	314.961	52.493						
41	134.514	22.419	97	318.241	53.040						
42	137.795	22.966	98	321.522	53.587						
43	141.076	23.513	99	324.803	54.134						
44	144.357	24.059	100	328.084	54.658						
45	147.638	24.606	200	656.17	109.36						
46	150.919	25.153	300	984.25	164.04						
47	154.199	25.700	400	1312.34	218.72						
48	157.480	26.247	500	1640.42	273.40						
49	160.761	26.794	600	1968.50	328.08						
50	164.042	27.340	700	2296.59	382.76						
51	167.323	27.887	800	2624.67	437.45						
52	170.604	28.434	900	2952.76	492.13						
53	173.885	28.981	1000	3280.84	546.81						
54	177.165	29.528	2000	6561.68	1093.61						
55	180.446	30.074	3000	9842.52	1640.42						
56	183.727	30.621	4000	13123.36	2187.23						

To accompany Indian Notice to Mariners 428/07
On BA Chart 713

AIDS TO NAVIGATION

Due to frequent cyclonic activity in the area of this chart, aids to navigation may be temporarily out of position.

To accompany Indian Notice to Mariners 430/07
On BA Chart 1064

SILTING

(12°13.63S 49°19.87E)

Due to silting westwards from the Banc d'Orongea, charted depths should not be relied upon. For further details, see Admiralty Sailing Directions.

To accompany Indian Notice to Mariners 430/07
On BA Chart 1116

SILTING

(12°13.63S 49°19.87E)

Due to silting westwards from the Banc d'Orongea, charted depths should not be relied upon. For further details, see Admiralty Sailing Directions.